

Consolidated management report 2021

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Chairman's Letter



→ 2021 was a year marked by the evolution of the pandemic, with new waves and vaccination campaigns as we moved towards a global recovery. The pandemic has brought digitalisation forward by several years, confirming its importance in the path to energy transition and social development. The need to deploy inclusive connectivity, within the reach of everyone, has become a priority for speeding up the reactivation of the economy based on a new, longer-term model of growth. The advance in ESG regulations including the implementation of the first stage of the EU's taxonomy for sustainable activities, confirm this new economic paradigm.

As such, Telefónica's commitment to embedding ESG within its strategy over the past two decades, and our commitment to the principles of the Global Compact and Sustainable Development Goals in building a greener future, helping society thrive and being an exemplary company, are especially relevant.

In 2021, we laid the foundations to build a more inclusive, resilient, and greener future, taking full advantage of fibre and 5G. I would like to highlight the expansion of 5G coverage - which already reaches over 80% of the population in Spain, the creation of FiBrasil, the joint venture with Allianz in Germany, and the operations with KKR in Colombia and Chile to speed up the fibre roll-out. Going forward, we have made the commitment to reach broadband coverage of 90%-97% of the population by 2024 (excluding the UK), strengthening our commitment to the development of rural areas.

The digital ecosystem we are developing - with health, security, financial and educational services, supporting our communities in these times of uncertainty as habits become ever more digital - is also noteworthy. In addition, the strengthening of our cybersecurity, cloud and big data services will allow Telefónica Tech to continue to deliver double-digit growth in revenues, while helping the business community to transform digitally and thus become more efficient and sustainable. In 2021, thanks to our services, Telefónica's business customers avoided the emission of 8.7 million tonnes of CO₂ (equivalent to the carbon absorbed by 143 million trees).

All this went hand-in-hand with an increased focus to reduce our environmental footprint towards becoming Net Zero. Specifically, since 2015, we have reduced our consumption of energy - 100% renewable in our main markets - by 86% per unit of traffic, which has allowed us to reduce our emissions by 70%. We continue to progress towards becoming a Zero Waste company by 2030, with recycling, more eco-design products and services, circularity criteria for our suppliers, and initiatives such as the Eco Rating seal.

Telefónica has also continued to contribute to social development: we generated almost €49 billion in terms of Gross Domestic Product (GDP) in our main markets, we made a tax contribution of over €9 billion, and generated more than 1.2 million jobs (direct, indirect and induced), in other words, we have created 10.4 positions for every contract we make. This is all thanks to the progress we have made extending connectivity and fostering the digital skills of users. These efforts have led us to being recognized as world leaders in the Digital Inclusion Benchmark by the World Benchmarking Alliance.

The triad digitalisation, social development and respect for the environment is synonymous with recovery. With this in mind, our aim is to surpass €10 billion of sustainable financing in the coming years, after closing 2021 with a volume of €4.1 billion in bonds and loans.

Such advances are based on best practices in governance that make us an exemplary company. A good example is the reduction in 2021 of the number of Board members to 15, with 9 independent members and 33% women, taking us further towards our objective of gender parity at the highest governing bodies of the Company by 2030.

The triad digitalisation, social development and respect for the environment is synonymous with recovery. With this in mind, our aim is to surpass €10 billion of sustainable financing in the coming years.

Our strategy is supported by a team that is committed, prepared and diverse. Our Employee Net Promoter Score is 67%¹, up from 65% in 2020, and 65% of employees have invested in new skills. Our commitment is to continue increasing the presence of women in executive posts, to reach at 33% in 2024, and to eliminate the gender pay gap.

We also have our customers' trust: their satisfaction, according to the Net Promoter Score (NPS), improved by 4 percentage points on the previous year (total score of 27¹, rising to 55 among our business customers). The measures and services that we have provided and developed during the pandemic have led to a marked increase in our reputational scores, as reflected in the RepTrak Pulse®, which increased by almost 5 points year over year. We will continue to work to strengthen this relationship, offering the best connectivity and user experience, and prioritizing the security of our networks, privacy, and data ethics, as well as equality in access to technology.

Looking to the future, we are more than prepared to make the most of the opportunities that arise from this new more sustainable paradigm, which has established digitalisation, and therefore Telefónica, as a driving force of progress.



José María Álvarez-Pallete
Chairman of Telefónica

[1] The figure for 2021 excludes the UK but includes Latin America.

Chapter 1

Strategy and growth model

- [1.1. Context](#)
- [1.2. Mission, Purpose, Values](#)
- [1.3. Business Model](#)
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Strategic vision

1.1. Context

GRI 103, 102-15

1.1.1. Macro context: beginning of economic recovery and geopolitical tensions

After a year (2020) dominated by the pandemic and the impact that measures to contain it had on the world economy, 2021 looked set to be a period of transition towards **global recovery**. The first half of 2021 continued to be heavily affected by new waves of COVID-19, while campaigns for mass vaccination programmes began.

During the second half of the year, the impact of these vaccination schemes allowed some degree of reopening of economies (trade, tourism, travel, etc.) and a return to growth. At the end of 2021 and the beginning of 2022, the emergence of a **new variant** (Omicron) with a high infection rate, again required the adoption of measures to protect the population, although the new outbreak was less severe in populations with greater vaccination coverage. However, uncertainty remains as to when the pandemic can be considered to be fully under control.

With the reopening of activity, the world's major economies are beginning to report growth, which should accelerate in the coming quarters to a return to pre-crisis levels. For the moment, **recovery has been uneven** (across countries, sectors, etc.) and, in the long term, the impact of the crisis may shift the balances in the world economy.

At first, this recovery came with an unexpected rise in **inflation**, driven by increases in demand as production picked up and with a temporary contraction in supply (labour availability, supply chains, semiconductors, global transport, etc.). In this inflationary context, during the last months of 2021, we witnessed a global increase in **energy costs** on the back of raw materials (gas, oil, etc.), together with the impact of transition policies towards cleaner energies (prices of emission rights, etc.).

Politically, in the aftermath of the pandemic, some of the issues that had been temporarily put on the back burner to deal with the health crisis are back on the agenda:

Increasing political **polarisation** and the rise of populist or extremist movements in many regions of the world.

US-China trade tensions and their potential impact on trade and global supply chains. Consideration of certain sectors of activity (semiconductors, energy, communications, etc.) as strategic for nations, with possible state intervention measures.

Problems arising from **Brexit** and the role of the **European Union** in the future global landscape.

Long-term consequences of new tensions in Europe arising from **Russia's** foreign policy (e.g. crisis in Ukraine).

Regulation and control of large **technology** companies (online privacy, artificial intelligence, data control, etc.) and social and budgetary pressure on states to balance the tax burden (progress on first global agreements to harmonise taxation within the OECD framework).

Sharp increase in **cybercrime**, with an impact on relevant infrastructures (health, energy, etc.), which requires the deployment of cybersecurity measures.

1.1.2. Social context: increased importance of environmental and long-term sustainability issues

Within this new economic and political context, **pressure** continues to grow on environmental **sustainability** and social and governance (ESG) issues, including:

Energy transition to renewables (although there are uncertainties about the proposed time-frame and how the transition will be financed).

Reduction of CO₂ **emissions** at every level of economic activity, with a special focus on the most polluting industries; and the establishment of Net Zero targets.

Increased social awareness of resource efficiency and the move to a **circular economy** throughout the supply chain.

Need for measures to reduce economic **inequality** in the aftermath of the pandemic.

Bridging the **digital divide** (Internet access, digital literacy, etc.).

Diversity and non-discrimination in access to, and performance in, employment (gender equality, pay gap, minorities, etc.). Work-life balance and the growth of home-working in the wake of the pandemic.

Consumer empowerment vis-à-vis large corporations, with special attention to the privacy of personal data and its processing.

For companies, **regulatory pressure** to comply with and report on certain ESG objectives and standards has increased. At the same time, the transformation towards a more sustainable economy generates **new opportunities** that companies can seize for sustainable growth:

Growth in **revenue** derived from the launch of new sustainable products, digitalisation of the economy and new, more inclusive business models.

Increased **efficiency**, with reduced costs (e.g. energy costs, consumption of water and other natural resources) and better use of productive assets (asset allocation).

Productivity improvements resulting from measures to include the entire workforce (motivation, work-life balance, access to digital talent, etc.).

Access to new sources of **finance**, with the transition to more sustainable finance (e.g. green bond issuance) and a strong commitment by states to the green and digital transition (e.g. NextGenerationEU Funds).

1.1.3. Telecommunications market context: digitalisation and acceleration of next generation infrastructure

Despite the critical importance of connectivity during the pandemic and the sharp increase in traffic, the telecommunications sector was impacted by the containment measures and economic slowdown during 2020 and the first half of 2021. Later, the sector **started to recover** lost **revenues** (e.g. roaming, results of the ban on travel, etc.) and commercial activity increased. In this sense, the recovery among large corporations, SMEs and public administrations were a fundamental support for the sector.

The pandemic has served to anticipate some of the market trends that were already underway. Individuals and businesses **accelerated migration to the digital world**, with a strong impact on the transformation of the economy:

Shift in individual **consumption** habits towards digital products for entertainment, information, health, education, etc., together with increased penetration of e-commerce in consumer goods.

Evolution of **working conditions** towards a greater weight of home-working and connected work, developing mixed models (in-person/remote) in many economic sectors.

The need for **digitalisation of business processes** to meet customer expectations (especially in the SME sector, which has traditionally been slower to go digital).

The need for quality, low-carbon telecommunications **infrastructure** to support the new digital and social reality has accelerated plans for the deployment of future networks:

In **fixed** connectivity, the main operators have anticipated the migration towards Fibre-the-home (FTTH) technologies, relying on the availability of public and private investment plans, and in many cases moving towards the creation of wholesale and neutral operators (FiberCos).

In **mobile**, with the acceleration of deployment plans for the new 5G technology, starting with the main spectrum auctions for the new services of the future, based on ultra-broadband connectivity, with very low latency and the capacity for connecting a multitude of devices.

Despite the relevance of telecommunications and the importance of connectivity for people's lives, the **sector as a whole has underperformed in terms of stock valuations**, burdened by overall declining revenue growth, high leveraging, investment requirements to develop new technologies, regulation and lack of in-market consolidation.

In this context, the future of the sector points towards the development of **specialist models** as an evolution of traditional integrated operators. Regardless of the final outcome (with or without formally independent companies), developments are anticipated in three clearly differentiated models:

In the **residential and mass-market** (B2C) sector, a model leveraged on consumer-valued brands that adds value to connectivity by developing digital ecosystems in key verticals (home, entertainment, security, etc.).

In **corporations** (SMEs, large enterprises and administrations), growth in professional services and technological solutions designed to help customers achieve digitalisation (cloud computing, managed services, cybersecurity, etc.) with a complete portfolio of solutions.

For telecommunications **infrastructure**, creation of specialists to speed up deployments and efficiently operate networks (including the functional separation of networks in some operators in the form of neutral and wholesale operators).

Furthermore, the aforementioned pressure for sustainability is already fully embedded in the sector, particularly around issues such as **inclusive connectivity** (aimed at previously unconnected populations or collectives and social groups that encounter difficulties in making use of new digital services), **energy efficiency** (especially through networks and technologies that ensure lower electricity consumption), good **privacy** management,

cybersecurity performance, as well as **talent** management and the **supply chain**.

In addition to the interest shown by analysts and investors (which has grown exponentially in recent years), the impact of the pandemic has added a new dimension to the contribution made by telecommunications networks and services to the **social and environmental development** of communities.

1.2. Mission, purpose, values

GRI 102-14

"Make our world more human by connecting lives".

Our mission puts people at the centre of everything we do. We want to be a company in which customers, employees, suppliers, shareholders, and society in general can trust. To achieve this, we must have clear principles that consistently guide our decisions and actions inside and outside the company. Accordingly, our mission has two key elements, reflecting our corporate purpose:

Making the world more human: corporate **ethics** are at the heart of everything we do, always placing technology at the service of **people** and protecting the **planet** through digitalization. We take into account our various stakeholders' expectations and needs in order to build relationships of trust.

Connecting people's lives: this means that we aim to digitalise society as a whole, leaving no one behind, and reduce the **digital divide** in terms of access, affordability, accessibility and training in digital skills. It also drives us to innovate so that we can offer products and services that add value and contribute to improving people's lives; it also leads us to leverage **digital solutions to decarbonise the economy**.

COVID-19 underlined the relevance of our purpose: never before has being connected or not made such an important difference. The connectivity that we had during the pandemic allowed us to study, work, get information, interact with our family and friends, shop and even go about our business. This ability to digitally continue has been firmly installed in our lives and cannot be conceived any other way. This new way of doing things—more online and digital—also offers environmental benefits. For example, home-working and reduced employee commuting, which leads to lower fuel consumption and office air conditioning, meaning lower CO₂ emissions.

The telecommunications sector is a pillar of our society. And, in the coming years, the sector will continue to play a key role in an economic and social recovery that leaves no one behind, and in building a greener and fairer economy for all.

Our corporate purpose combines naturally with the **United Nations 2030 Agenda**, which explicitly highlights the key role of technology, innovation, and communications in addressing the great challenges facing humanity. Deploying infrastructure is essential, however it is not sufficient on its own. Based on this infrastructure, we need to develop services that add value and allow us to get the full socio-economic benefit of fibre and technology. And there is also a need to increase the digital skills of society and businesses.

Our purpose is therefore built on **elements and values of sustainability**: we want to be perceived as a key player in the sustainable development of the new society and a facilitator for meeting new socio-economic and environmental challenges.

To this end, the Telefónica Group has a code of ethics and conduct: our Responsible Business Principles and, in turn, our sustainability policy, which govern what we say and do in our daily activities in order to act according to **our values of integrity, commitment and transparency**.



[Go to chapter 2.11. Governance and sustainability culture](#)

Brand and culture alignment with our values is key. Our aim is that our corporate purpose and values are reflected in our behaviour, processes and objectives, ensuring **consistency between what we say and what we do**, so that this shared vision spreads from employees to customers and from customers to society. This culture is strengthened when we are consistent in how we behave within the company and how we present ourselves. This helps us clarify our *raison d'être* and how we can help make the world a better place.

1.3. Business model

GRI 102-2

Telefónica deploys, operates and maintains **telecommunications networks** and, based on these

capabilities builds **connectivity** (or adjacent) **products and services** suitable for a **wide range of customers** (individuals and businesses).

Telefónica's value chain



1.3.1. Assets

GRI 102-2

Telefónica's **value creation model** is based on the exploitation of a number of valuable **assets**. These include:

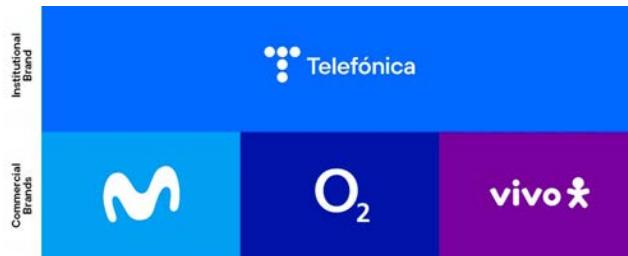
Fixed and mobile **telecommunications networks**, including both the basic infrastructure (fibre, civil engineering, telecommunications towers, ducts and buildings, etc.) and the physical elements associated with access, transport and switching (hardware equipment) so that we can provide our customers with

basic connectivity and communications services. Telefónica builds, operates and maintains these networks in each of the countries where it operates.

The **IT infrastructure** (data centres, hardware, and software) necessary for the provision of services to end customers (front office) and proprietary operations (back office). This includes the main platforms for building services on top of basic connectivity (communications, TV, digital services, etc.), either proprietary or based on third-party services.

The necessary **licences** and authorisations according to applicable regulations and, in the case of mobile operations, the radio **spectrum** acquired in each country for the provision of the service.

Telefónica is the parent **brand** that leads corporate and institutional communications globally. At the local level, we have the commercial brands Movistar in Spain and Latin America, O2/VMED O2 in Europe, and Vivo in Brazil.



Other intangible assets necessary for the provision of the service, such as know-how in operation and processes, which Telefónica has built up over the years, including the value of our brands in each market.

1.3.2. Services

Telefónica leverages these assets by building **services** adapted to our customers' requirements. These services can be wholly proprietary (e.g. pure connectivity and communications services) or based on third-party offerings via partnerships or distribution agreements (as is the case for certain digital services). The main features of Telefónica's commercial proposal to customers include:

Basic telecommunications services, covering Internet connectivity (residential or the more

sophisticated business and corporate products) and fixed and mobile communications (traditional voice and other communication SVAs).

Proprietary and third-party **digital services** provided over Telefónica's telecommunications networks and connectivity to complement our offering to end customers (e.g. digital television and content, cloud services, etc.).

Professional services and similar necessary to facilitate our customers' digitalisation process and access to technology, including (logical and physical) security, business consulting based on big data and IT services and managed communications for companies, etc.

1.3.3. Customers

On a commercial level, Telefónica serves a wide variety of **customers** in each of the markets where we operate providing solutions to meet every customers digital need. The Telefónica Group's customer portfolio spans across virtually every segment in every market, including:

Residential customers offering solutions for the home (fixed connectivity, fiber, TV, etc.) and for individual use (e.g. mobile lines).

Corporate clients, with an offering adapted to the digital requirements of different types of companies (from businesses and SMEs to the world's leading multinationals).

Public administrations and other governmental agencies.

1.4. Materiality

KEY POINTS

- During 2021, Telefónica has worked on integrating double materiality within of our strategy, identifying the issues that have an impact on the value of the Company, society and the environment.
- Our double materiality analysis has been conducted in four steps: identifying and updating of key issues; assessment and prioritisation; stakeholder engagement; and monitoring and validation of the process.
- The double materiality matrix classifies material issues into three levels of impact, according to their strategic relevance, urgency and/or approach required.

1.4.1. Double materiality

The European Commission's proposed Corporate Sustainability Reporting Directive (CSRD) calls on companies to report on sustainability in a consistent and comparable manner, in line with the EU taxonomy, and to carry out a double materiality assessment.

Double materiality is also part of the standards of the Task Force on Climate-Related Financial Disclosures (TCFD) the Sustainability Accounting Standards Board (SASB) the International Integrated Reporting Council (IIRC) and the Global Reporting Initiative (GRI), among others.

At Telefónica we started to work on this approach in 2021 as a **determining element of our strategy** and decision-making, and we did so from a two-fold perspective:

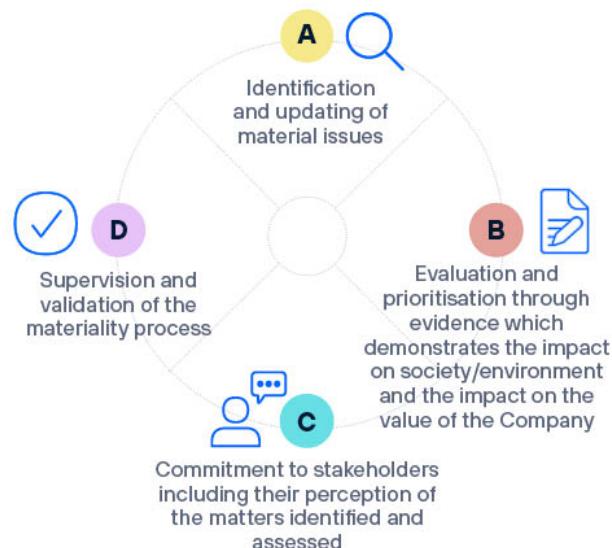
Impact on the value of the Company, ('**financial materiality**' or '**inward impacts**') and,

Impacts on society and the environment ('**environmental and social materiality**' or '**outward impacts**').

1.4.2. Double materiality determination process

GRI 103

For this process we have followed four steps:



A. Identification and updating of material issues

The first step was the identification of a broad universe of potentially material issues. Reference to multiple sources is essential to minimize the risk of overlooking any emerging issues and to **ensure a thorough and credible analysis**.

In addition, a multi-source approach (regulatory, sectoral, ESG indices, etc.) ensures a more objective analysis, as data has been triangulated to reduce the subjectivity of specific stakeholders' views.

In our case, we started from the material aspects identified in 2019 and updated in 2020, validated and expanded based on the Company's specific context, sources of particular relevance such as reporting standards, new regulations and issues raised by our stakeholders, such as investors.

All topics were classified and grouped according to the materiality matrix developed by the Value Reporting Foundation, which develops the SASB standards.

B. Evaluation and prioritisation through evidence which demonstrates the impact on society/environment and the Company's value

Double materiality consists of explaining why issues are relevant from a social and environmental and/or financial impact perspective. For this purpose, the potentially material issues identified in the first step are analysed to be weighted and prioritised from both perspectives.

Impact on Society - Environment

The materiality for each theme is the weighted average of the scores obtained for each source used:

Global ESG regulatory context: analysis of international environmental, social, and corporate governance standards, such as legal requirements, local practices of global application, economic policies, self-regulatory standards, etc.

Benchmark: materiality matrices of the leaders in our sector.

ESG criteria applied by analysts and investors (DJSI, Sustainalytics, Vigeo, FTSE4Good and MSCI).

Non-financial or sustainability reporting standards (GRI and SASB).

Sustainable Development Goals and targets. We took into account the objectives to which we can make the most decisive contributions.

Telefónica's Human Rights Global Impact

Assessment Prioritisation Matrix. The results of this assessment were weighted around three levels (high, medium, or low).



More information can be found in chapter 2.8. Human Rights, of this report.

Social and environmental impact study generated by Telefónica. We took into account the evaluation of a set of impact variables, presenting the environmental, social and governance value we generate, with a series of groupings of indicators according to the relationship between them.



More information on this study can be found in chapter 2.10. Contribution and Impacts on communities

Financial materiality or impact on Telefónica's value

In this case, an internal analysis was conducted with the main specialized areas of the Company to measure the relationship of each of the issues identified with:

Future and emerging risks that could become strategically relevant. Telefónica's risk map was taken into account to identify which issues were relevant from a risk viewpoint and which new ones should be taken into account. The level of risk is assessed on the basis of its criticality in Telefónica's risk map, as a combination of potential impact and probability of occurrence.

Opportunities. A number of opportunities linked to ESG criteria were estimated, both in terms of potential new revenues and efficiencies. Key benchmarks, estimated impact, size and likelihood of opportunity capture were taken into account for their assessment. This map shows us the horizon of the company and the changes foreseen in the coming years that will or may affect our value.

In both cases (risks and opportunities), five levels of impact were set (slight, low, moderate, high, and critical).

C. Commitment with stakeholders including their perception of the matters identified and assessed

The basis of the issues analysed was the result of the consultation conducted with our stakeholders in 2020 with the methodology developed internally and implemented and validated by Ipsos (a multinational market research company). For the 2021 double materiality, **we have collected the importance that stakeholders gave to each of the issues.** The consultation was updated to look at the impact of COVID-19 on our main markets: Spain, Brazil, and the United Kingdom. Of the 125,000+ invitees, 2,695 people participated actively, which represents a response rate of 2.15%, a significant figure given the mode of consultation.

More information on the methodology and results of this survey can be found in the annex of the 2020 Management Report.

D. Supervision and validation of the materiality process

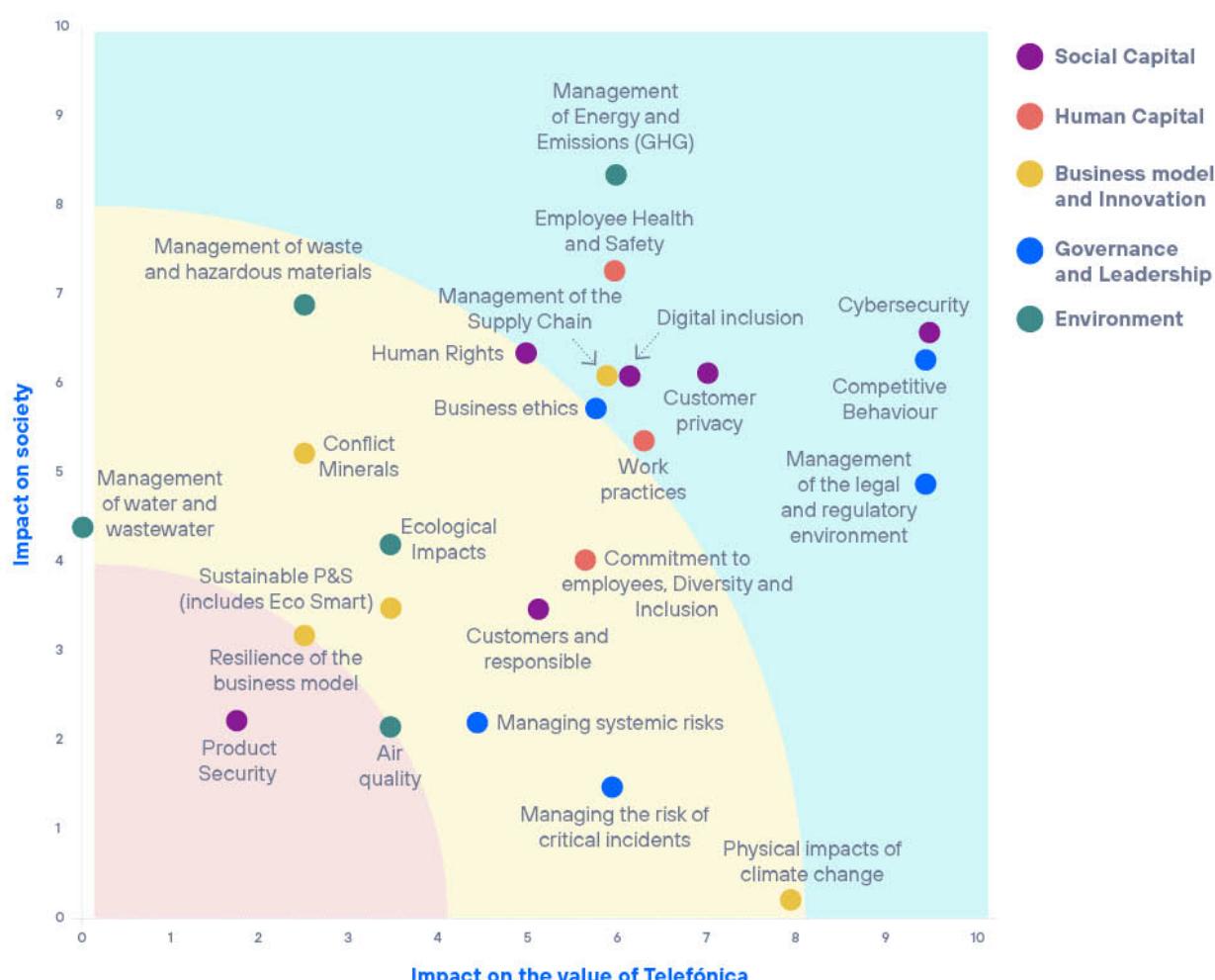
In this phase, we presented the results to the Sustainability and Quality Committee and the Responsible Business Office, as well as to all areas globally and locally which participated in the process. Their involvement has allowed us to complete the matrix with qualitative feedback on the exercise, and to validate internally the resulting priority issues. The involvement of internal stakeholders has played a crucial role in the process, as double materiality has helped Board members, senior management and area managers to **understand and distinguish between the outward impacts and the inward dependencies** of Telefónica's business model. The exercise has provided a broader and more comprehensive view of the Company's situation, a solid basis for identifying priority issues, risks, and emerging opportunities.

1.4.3. Materiality matrix

The process followed has resulted in a **materiality matrix from a global perspective**, according to the impact on Telefónica's value and the impact on society and the environment.

On the understanding that all the issues identified in the matrix are material, they have been classified into three levels, denoting the most strategic issues (first level), those that have a significant impact (second level) and those that are relevant but currently have a more limited impact (third level).

This classification has been made irrespective of the origin of the impact. Some issues may be a priority from the perspective of the societal/environmental impact, for example, the management of waste and hazardous materials, or from the perspective of the impact on the value of the Company, for example, the physical impacts of climate change. Consequently, at Telefónica we consider them to be equally essential and they are addressed strategically even when they are not on the first level.



Classification of material issues



1.4.4. Materiality context

GRI 102-34, 102-44, 102-47

First level

Material issue	Definition	Chapter of the Report
Cybersecurity	Cybersecurity and personal data protection (create a secure digital environment, put in place strategies to minimise and manage risks).	2.15.3. Security
Competitive performance	Responsible pressure on stakeholders (lobbying) and anti-competitive practices.	2.12. Ethics and compliance
Economic, political and regulatory environment	Comply with current legislation and the Company's internal policies and regulations. Tax contingencies and fiscal transparency.	2.12. Ethics and compliance 2.13. Fiscal transparency
Energy and emissions management (GHG)	Reduce carbon emissions to reduce their impact on the planet. Be energy-efficient and use clean energy (renewable energy and energy efficiency). Contribute to the fight against climate change.	2.2. Energy and climate change
Employee health and safety	Offer new, more flexible ways of working for employees by facilitating family-life balance (flexibility, teleworking, digital switch-off outside the office, etc.). Care about the safety, health and well-being of employees.	2.6.5.3. New ways of working 2.6.5.4. Safety, health and well-being strategy
Customer privacy	Guarantee the privacy and proper use of our customers' data in a digital environment.	2.15.2. Privacy
Digital inclusion	Digital inclusion: dispose of products and services that are affordable for everyone, including those with fewer resources or in special situations. Digital divide: commitment to deploy the network to reach all people, even in remote places. Media literacy (including ICT and minors): awareness-raising and training for all groups so that they can make use of new technologies. Protect minors from misuse of technology by establishing the necessary controls and raising awareness of the benefits and dangers of technology use.	2.7. Digital inclusion

Supply chain management	<p><u>Ethical and fair relations with suppliers</u> dispose of payment terms and conditions that facilitate the economic sustainability of its suppliers. <u>Responsible supply chain and procurement management</u> work with suppliers that meet social and labour standards, including health and safety conditions, working hours and decent pay. Ensure ethical, environmental and human rights standards are in place in the purchasing process (ethical, anti-corruption, environmental, etc.). Work with suppliers who are climate-conscious and reduce their own emissions.</p>	2.16. Responsible supply chain management
Labour practices	<p><u>Attraction and retention of talent</u> focus on the acquisition, retention and development of talent. <u>Fair remuneration</u> operate fair and attractive remuneration schemes. <u>Freedom of association and equity of the employee</u> promote freedom of association for workers and collaborators.</p>	2.6. Human capital
Corporate ethics	<p><u>Ethics and integrity</u> comply with ethical and responsible business practices, including anti-corruption and anti-bribery measures. Promote ethical audiovisual content. <u>Governance, accountability and culture</u> transparency and truthfulness of information, adequate and accessible to all stakeholders. Maintain a transparent and balanced relationship with the Government/Administration. Diversity in the composition of the Board of Directors. Provide accurate and complete information on social and environmental actions. <u>Artificial intelligence</u> ensure due diligence on systems using artificial intelligence.</p>	2.11. Governance and culture of sustainability 2.12. Ethics and compliance 2.9.4.2. Responsible design/Ethical principles applied to design

Second level

Material issue	Definition	Chapter of the Report
Human rights	Promote respect and human rights among all stakeholders (including freedom of expression, new digital rights and ethical use of artificial intelligence, etc.). Dispose of adequate channels for consultation and complaints. Encourage dialogue and relations with stakeholders to involve them in management (actions aimed at involving the main players in our daily management, including alliances, relations with the media, institutions, entities and investors).	2.8. Human rights
Commitment to employees, diversity and inclusion	Foster gender equality, diversity, equal opportunities and non-discrimination. Take action to prevent and eliminate workplace harassment. Keep in mind the ageing population and its effect on the company (e.g. measures for employees over 50 years of age).	2.6.5.2 Diversity and inclusion
Waste and hazardous materials management	Circular economy (including electrical and electronic waste): manage and process electrical and electronic equipment waste. Eco-design, resource optimisation (including water and plastics), re-use and recycling. New business models based on the circular economy.	2.3. Circular economy
Customers and responsible marketing	<p><u>Quality</u>: fast networks, good coverage and sufficient bandwidth for the requirements of today's society, etc. Ensure network stability and service reliability (speed, connection, etc.).</p> <p><u>Transparency</u>: easy-to-understand invoices. Same service and attention in all channels (make arrangements, solve problems through any channel).</p> <p><u>Focus on the customer</u>: provide a service that is tailored to our customers' needs, offering good quality at an appropriate price. Ensure consultation and management channels are in place to make customer service fast and easy. Rapid, effective and satisfactory resolution of incidents.</p> <p><u>Responsible and sustainable marketing</u>: products and services accessible to all (e.g. people with disabilities, seniors).</p> <p><u>Responsible advertising</u>: Responsible and inclusive advertising.</p>	2.12.5.5. Responsible and inclusive advertising. 2.14. Clients
Physical impacts of climate change	Manage the risks and opportunities associated with the direct exposure of assets and operations owned or controlled by the Company to the actual or potential physical impacts of climate change. Capture the environmental and social issues that may arise from operational disruptions due to the physical impacts of climate change.	2.2.4. Energy and climate change

Conflict minerals	Work with suppliers who do not use minerals from conflict zones.	2.16.6.2. Engagement in 2021. Responsible mineral supply
Ecological impacts	<u>Biodiversity</u> manage the Company's impacts on ecosystems and biodiversity through activities including, but not limited to, land use for exploitation, extraction, as well as project development, construction and siting.	2.16.2. Responsible network and biodiversity
Critical incident risk management	<u>Emergency response</u> have an action plan in place for maintaining communications in emergency situations (natural disasters or major incidents).	2.15.3. Security
Sustainable P&S (including Eco Smart)	Help customers increase their energy efficiency and sustainability through our products and services.	2.4. Digitalisation and Eco Smart services 2.9. Responsibility in our products and services
Systemic risk management	Management of the company in addressing ESG-related risks that could impact stakeholder perceptions.	3. Risks
Resilience of the business model	<u>Local economic contribution and inclusive growth</u> development of local suppliers, especially SMEs and local procurement. <u>Sustainable finance</u> report new financial indicators based on sustainability criteria, encourage the growth of sustainable activities, actively engage with all stakeholders on environmental and social objectives under development.	1.7. Sustainable finance 2.5. European taxonomy for sustainable activities 2.10. Contribution and impact on communities

Third level

Material issue	Definition	Chapter of the Report
Air quality	<u>Noise</u> : tackle the management of noise pollution impacts arising from the Company's activities. Reduce pollutant emission sources (NOx, SOx, particulate matter, etc.).	2.1.6.1. Environmental management
Water and wastewater management	<u>Water</u> address water use and consumption, wastewater generation and other impacts of operations on water resources. Wastewater treatment and discharge management, including groundwater and aquifer pollution.	2.3.5.1. Internal eco-efficiency. Water
Product safety	<u>Health and safety of P&S</u> responsible design in the development of products and services, aiming at improved customer health and safety (i.e. not generating addiction, offering a safe product, etc.). <u>Electromagnetic fields</u> take into consideration the possible health effects of electromagnetic fields.	2.9.4.1. Health and safety measures for our products and services

1.4.5. Ongoing dialogue with stakeholders

GRI 102-29

Ongoing dialogue is part of our daily operations and is built based on each interaction with stakeholders through the different channels set up for this purpose.

As from 2019, we have incorporated the impact principle into the materiality analysis and ongoing relations with

stakeholders. Emphasis has been placed on continual monitoring of the main channels for dialogue with major stakeholders; this enables us to measure the impact of our relations with, and commitment to, them. In this way, it is possible to establish action plans to meet needs, boosting positive impacts and mitigating any that are negative. The main channels of dialogue are highlighted below:

Communication channels with our stakeholders

Stakeholder	Channel for dialogue	Impact KPIs	2020	2021
Customers	Movistar Spain	Unique customers served		
	Contact Centre (1004)	(annual average)	1,057,968	805,126
Employees	Digital channels	Total customers ⁽¹⁾	2,824,683	2,774,565
	eNPS	Response rate	78%	67%
Strategic partners and suppliers	Workplace	Percentage of monthly active users	80%	81%
	Annual stakeholder consultation	Declared level of confidence	87 %	87 %
Shareholders and institutional investors	General Shareholders' Meeting	Number of shareholders attending	65 (telematic)	69 (telematic)
	Engagement activities	Meetings with minority shareholders		6 virtual meetings and 19 telematic communications (quarterly magazine, monthly newsletter, Shareholders' Meeting communications and information call centre)
			3 virtual meetings	
	Roadshows (institutional investors)		13	13
	Conferences (institutional investors)		12	18
	Minority shareholders		3,290	7,000
Society	Institutional investors		614	600
	Reputation	Number of Reptrak interviews conducted	42,017	22,166
	Social networks	Millions of followers of @Telefonica's exclusive accounts (LinkedIn, Twitter, Facebook, Instagram, YouTube)	1.98	2.10
Governmental and regulatory bodies	Meetings with European Union institutions	Average number of meetings: OTTS Telecoms	22.6 OTTS 6.8 Telecoms	OTTS: 14.4 Telecoms: 10.8
Opinion leaders, media and communication services	Press releases, interviews, calls and media attention	Communication management (vs. 2018)	28,762 > communication proactivity due to the pandemic	31,063 - continuation of pandemic (telework consultations, remote services, etc.); corporate operations (Telxius towers, UK JV closure); event recovery (MWC).

Note:

⁽¹⁾Telefónica Spain customers who contact us through the closed website and the APP after logging in.

1.5. Strategy

GRI 102-14

KEY POINTS

- We aim to deliver growth, while guaranteeing the universality, accessibility and sustainability of our portfolio of products and services.
- We continue to modernise our infrastructure to ensure greater eco-efficiency in terms of emissions, energy consumption and the circular economy.
- We are committed to generating sustainable, long-term value for all our stakeholders, including our customers, suppliers, and employees.

Telefónica's long-term strategy integrates the main aspects of sustainability to address our mission. Based on our Responsible Business Principles and sustainable finances, our commitments translate into growth, efficiency and long-term value for all our stakeholders.

1.5.1. Growth

We aim to continue to be a **growth company** in our sector by leveraging our core products and services (connectivity) to serve the increasing number of needs of our residential and business customers, determined by the accelerating drive towards digitalization in all areas of society. This ambition will determine the ability to boost revenues and will have a clear impact on society and the environment:

In terms of social impact, we aim to ensure the **universality** of our connectivity services, extending their availability (mainly broadband) to new geographical locations and population segments that have traditionally been excluded (e.g. rural broadband). Along with these basic connectivity services, at Telefónica we are developing digital ecosystems to improve our customers' lives and guarantee them access to new solutions (e.g. health, education, and entertainment, etc.).

In environmental terms, Telefónica's **portfolio** of products and services for the business sector is instrumental in contributing to the digitalization of our customers while reducing their environmental footprint. Our goal is to make sure that our solutions are eco-sustainable to help them achieve their environmental responsibility targets.

1.5.2. Efficiency

Long-term sustainability for Telefónica involves a firm commitment to continuous improvement in our operations internally and in our customer relations. This helps us become an **increasingly efficient operator**, taking advantage of the digitalization of all business processes to generate greater value:

The deployment of **new state-of-the-art networks** affords much lower costs per unit of traffic. In addition, ultra-broadband networks (fiber, 5G, etc.) return tangible efficiencies in terms of energy consumption and therefore have a clear impact on the company's emissions targets.

At Telefónica, we also aim to optimize the **use of our assets** once they have been deployed, generating a greater return on investment. This aspect includes reducing energy consumption, focusing on renewable sources of energy, and increasing the circularity of our processes and the reuse of customer equipment (routers, mobile devices, etc.).

1.5.3. Long-term value creation

Over the long term, we are committed to **generating value for all our stakeholders**. This concept is built on trust and commitment in areas such as customer relations, suppliers, diversity, business ethics, network security, responsible use of technology and, in general, sound corporate governance:

We want to strengthen our **customer** relations through responsible, trust-building practices and behaviors.

Beyond our own long-term goals, we aspire to have our **network of suppliers** commit to the same responsible principles, creating a more sustainable environment in the telecommunications sector.

At Telefónica we also recognize the value for our **employees** in facilitating a workplace that respects diversity and allows for personal and professional development. In order to facilitate a work-life balance and take advantage of new technologies, we have developed and implemented new home-working models across the organization. Accordingly, we work to train all our employees in new work tools and technologies and to attract new digital talent.

We transmit confidence to our **investors** by meeting their key demands and providing solid returns.

We contribute to the economic and social development of the **communities** where we operate in a way that is closely linked to the Sustainable Development Goals.

We benefit all our stakeholders



1.6. Organisation

GRI 102-2, 103, 102-15

In 2019, Telefónica decided to implement a new business strategy designed to reinforce its priorities while encompassing a strong vision for the future. The five strategic pillars established still stand today, with important milestones that are furthering the strategy of this renewed Telefónica. The Company's **current organisation** is structured according to these strategic priorities:

1.6.1. Focus on the four key operators (Spain, Germany, the United Kingdom and Brazil)

Telefónica maintained its focus on the four operators that have a strong position in local markets and are sustainable in the long term. Over the past two years, the Company has made progress in **improving and strengthening the value proposition** of the operator in these four markets:

The Company consolidated its position as leader in two of its core markets with the regulatory approval and launch of Virgin Media O2 (VMED O2) in the UK and Vivo's consolidation of Oi's mobile assets in Brazil (CADE gave its final approval on 9 February 2022).

Telefónica continued to improve its offering in the residential segment, in the quest for differentiation from its competitors by expanding its portfolio of services via: the launch of digital security ecosystems with Movistar Prosegur Alarms in Spain; and, telehealth services with Teladoc in Spain and Brazil, among others.

The Group maintained and strengthened its leadership in fibre deployment. In Spain, with 27 million premises passed (PP), Telefónica is positioned as the market leader and recognised as having one of the most efficient networks worldwide, while in Brazil the accelerated roll-out of FTTH continued, reaching 19.6 million PP by the end of the year. Additionally, VMED O2 set a target for 2028 to upgrade its fixed network to FTTH, and Germany started its fibre network roll-out in rural and semi-rural areas with UGG, the new investment vehicle.

Telefónica has embarked on a steadfast roll out 5G in its main markets. In Spain, Dynamic Spectrum Sharing (DSS) deployments continue and 5G coverage now exceeds 80% of the population. In the UK, more than 180 cities have coverage and in Germany, external studies rank O2 as the leader in 5G quality.

To secure the future of 5G, Telefónica is strengthening its position in spectrum, successfully participating in relevant auctions in Spain, the UK and Brazil in 2021 and securing key frequencies for deployment.

1.6.2. Telefónica Tech, B2B global digital unit

The global digital unit, Telefónica Tech, continues to focus on **capturing growth** in the professional digital services market to complete the connectivity offering to corporate customers. Telefónica Tech is comprised of two operating businesses which encompass the four services on offer since its launch (Cybersecurity/Cloud/Internet of Things (IoT)/Big Data).

The Cybersecurity and Cloud business remains focused on expanding its capabilities and offering **greater value-added services** for customers, focusing on a wider range of advanced managed services for customers. Meanwhile, the IoT and Big Data business has drawn up a complete portfolio of solutions and continues to focus on gaining scale in the markets where it operates.

Telefónica Tech maintains the objective of acquiring capabilities for growth in managed services for our customers:

The company continues to grow inorganically. It strengthens its value proposition for the corporate sector (including large enterprises and SMEs) with the acquisitions of market leaders such as Cancom UK, Altostratus and Geprom.

At the same time, TTech continues to develop a comprehensive partner network, leading to the growth of the innovative solutions portfolio. This network includes some of the world's leading players in Cloud services and Cybersecurity (Google, AWS, Microsoft, Cisco, IBM and Fortinet, etc.).

1.6.3. Telefónica Infra, global infrastructure business

Telefónica Infra's main objective is to **develop and enhance the value** of the Company's **infrastructure** by taking advantage of the appetite for investment in the market through a structure that is open to third-party participation.

In August 2021, Telefónica Infra completed the sale of Telxius' Telecommunication Towers Division to American

Tower Corporation, thereby reducing the Group's financial debt.

The first half of 2021 saw the completion of the commissioning and operation of the fiber vehicles in Brazil and Germany. FiBrasil aims to exceed 6 million property units in 4 years and UGG in Germany aims to equip more than 2 million homes with FTTH (fiber-to-the-home) in the country's rural and semi-rural areas in the next six years. Both vehicles aim to drive the penetration of high-quality, next-generation FTTH access and the growth of Telefónica.

In the data centre business, Telefonica Infra reached an agreement for the contribution to Nabiax of 4 additional data centres owned by the Telefónica Group (2 of them located in Spain and 2 in Chile). In exchange for the contribution of these 4 data centres, T. Infra will receive a 20% equity stake in Nabiax. At the end of 2021, the stake was 13.94% (once the conditions related to the contribution of the two data centres located in Chile have been fulfilled and the same has been executed, T. Infra's stake in Nabiax will reach 20%).

Besides, Telefonica Infra, strengthened its leadership by expanding its capabilities through the deployment of new international cables connecting the United States and Europe (in collaboration with market leaders such as Google and Facebook) and expanding its cable capacity in Latin America.

1.6.4. Reduction in group's exposure to Telefónica Hispanoamérica

The company continues to modulate its exposure to Latin American economies, optimising assets that create growth opportunities in the region. During the year, Telefónica Hispanoamérica optimised the capital employed in regional operations, while increasing the proportion of debt in local currency to adapt better to exchange rate fluctuations. In addition, during the year, the company closed the sale of its operations in Costa Rica and, in January 2022, in El Salvador.

In order to leverage future growth opportunities, Telefónica Hispanoamérica extended its relationship with the infrastructure investment fund KKR for a 60% stake in infrastructure and fibre vehicles in Chile and Colombia, respectively. At the same time, new alliances are being developed to optimise the opportunity of operations in the region with a focus on digital services, notably in Colombia with its main partner in alarms, Prosegur, and in Mexico with Banco Sabadell for the provision of financial services.

1.6.5. Simplification and digitalisation of the operating model

The Telefónica Group continues to rely on the **digitalisation and automation of its operational processes** to increase efficiency and offer more flexible and transparent services that result in higher quality for its customers.

Telefonica continues to lead in terms of innovation across its footprint in each of the countries where it operates. In Europe, Telefónica and the major operators in the regions are collaborating to define the evolution of open network architectures (Open-RAN). Moreover, Telefónica continues to strengthen the start-up ecosystem through Wayra and Telefonica Ventures. In 2021, we announced a new Talent and Innovation Hub in Madrid, with an initial investment of €100m until 2024.

1.7. Sustainable finance

KEY POINTS

- Demand for sustainable financing is growing, both in the debt and equity markets.
- Telefónica is the largest issuer of sustainable bonds in the sector (€3.25bn) and has raised a total of €4.1bn in sustainable debt (as of year end 2021). Our target is to surpass €10 billion.
- The presence of ESG shareholders in the Company has increased significantly in recent years.

1.7.1. Context

The new international context has made it clear that the social and environmental challenges we face require very large amounts of investment and financing coupled with long-term commitment and engagement from the public and private sectors.

In view of the current global situation, many investors are increasing the weight of **ESG factors** in their decision-making. According to the Global Sustainable Investment Alliance, ESG investment assets in equities were estimated at USD 35.3 trillion globally in 2020 and are expected to grow to USD 50 trillion in 2025. Essentially, more than one-third of all assets under management will be linked to ESG.

This increased interest in ESG financing is also being witnessed in capital markets. According to Citi (11 January 2022), the volume of sustainable issuances in 2021 amounted to USD 945 billion, up 69% from 2020, turning it into a record year and taking the total volume of outstanding sustainable bonds above USD 2 trillion.

At Telefónica, we are part of **the solution** to the environmental and social challenges facing society and have been working for many years on our internal transformation to bring environmental and social sustainability in line with financial sustainability. For example, we are the **largest sustainable issuer** in the telecommunications sector in the bond market in terms of volume, number and diversification of our issuances (senior green bonds, green and sustainable hybrid instruments, etc.). We continue to expand ESG criteria within our financing model, with the aim of making sustainable finance one of the main financing tools for the Telefónica Group.

At Telefónica, we are implementing the European taxonomy of sustainable finance. The **IT sector** is one of the six sectors identified as making a substantial contribution to the reduction of -and adaptation to- climate change, and therefore one of the sectors that will be transformed to help achieve Europe's **climate goals**.



[Go to chapter 2.5. European taxonomy for sustainable activities](#)

Meanwhile, our commitment to aligning economic sustainability with social and environmental sustainability goes beyond the use of certain financing instruments or due diligence of new regulatory Sustainable Financing Frameworks (Telefónica's SDG Framework). There are many projects, agreements and day-to-day operations in which ESG criteria are added to financial ones.

We are defining the mechanisms for an internal carbon price to impel us along the road towards net-zero emissions; we are working with the Inter-American Development Bank in an initiative to promote inclusive digital transformation in Latin American and Caribbean countries; we are actively collaborating in the development of digitalisation and sustainability proposals to respond to the requirements of NextGenerationEU funds, and; we are working on a holistic integration of ESG criteria in M&A operations. All these initiatives help us to include ESG aspects as a driving force behind decisions that may lead to our own or third-party investments and **generate awareness** of the importance of environmental and social aspects across every area of our business.

1.7.2. Sustainable finance strategy

At Telefónica, we want to take advantage of the opportunity offered by sustainable finance to achieve our commitments to society and the planet. To this end, we have a strategy that allows us to:

Use debt as a financial instrument to support the sustainability strategy of the business.

Attract investors that invest in companies aligned with ESG criteria.

In addition, **sustainable finance** offers us new opportunities for interaction with our partners and investors:

It gives more **visibility** to Telefónica's transformation to a more sustainable company over the years.

It enables us to **interact with investors** who integrate ESG considerations in their investment decisions and have a long-term investment horizon.

Financial instruments leveraged on ESG criteria, such as bonds, hybrid instruments and bank financing, give us the **opportunity** to analyse new market demand, improve profitability and capture new business opportunities, highlighting our role as a key partner on the road to **decarbonisation** of many activities.

1.7.3. Sustainable and Responsible Investment (SRI)

The ability to **attract sustainable and responsible capital** is important for Telefónica because it reflects the positive impact of our operations beyond pure financial profitability. It is also an ongoing challenge to keep our initiatives, projects and processes in constant alignment with evolving environmental, social and corporate governance criteria.

ESG performance is an increasingly important factor in the decision-making of institutional investors, in particular investment fund managers, proxy advisors and players in the financial world. The growing impact of these issues for analysts and investors is a significant opportunity to highlight Telefónica's high-level performance and assess the **alignment of our priorities** with those most valued by our investors.

Investment strategies are rather varied and depend greatly on the commitments, policies, concerns and motivations of institutional investors and their **environmental, social and corporate governance objectives**. At Telefónica, we work solidly and consistently in all ESG matters to achieve the best results in third-party assessment and evaluation systems and, consequently, in our ability to attract socially responsible capital. Continuous improvement, adaptability and a high level of resilience help us to align ourselves with the needs and objectives of analysts and investors.

One of the key pillars in our ESG communication strategy with financial markets, in addition to our relations with institutional investors and financial analysts, is proactive communication with **ESG information providers**. These analysts process and evaluate our ESG performance and provide their information and ratings to their clients, the institutional investors. Their assessment of our performance comprises a wide set of criteria and weightings. As a result, the proactive task of verifying the information and ratings included in their analysis of our company's performance gives us the opportunity to give our feedback and ensure that the information they distribute to investors is as reliable as possible. At the same time, it allows us to further improve our ESG ratings and our inclusion in prestigious indices such as the S&P Dow Jones Sustainability Index.

Beyond our regular interactions with ESG analysts, our ESG communication with financial markets places priority on communicating our strategy, sustainability performance and governance to **institutional investors**, highlighting Telefónica's role as a facilitator of the energy transition as well as our ambition to lead in other areas of environmental and social impact, as well as emphasising our sound governance.

At the same time, this productive dialogue with sustainable and responsible investors provides us with their views and expectations on ESG issues, which are carefully listened to by our management and make a positive impact on our long-term strategy and performance.

> Progress in 2021

Sustainable and Responsible Investment (SRI)

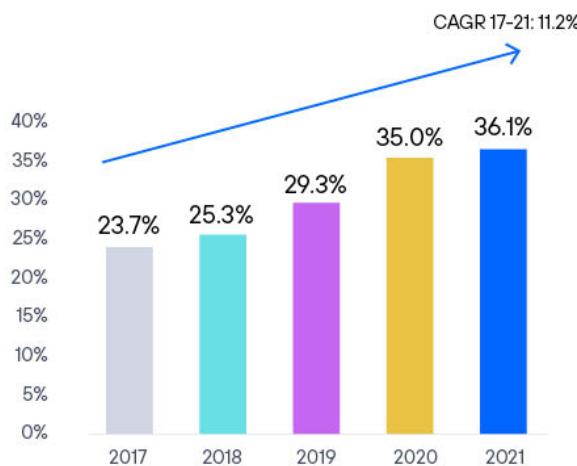
Among other criteria, sustainable and responsible investors take into consideration the environmental, social and corporate governance performance of companies in their investment strategies. The presence of **SRI investors** in Telefónica's shareholding confirms the importance of ESG factors in investment processes and, therefore, attracts investors who use sustainable criteria to our shareholder base.

This indicator shows the proportion of Telefónica shares held by **two main categories of SRI investors**: institutional investors with advanced ESG integration processes, and ESG thematic funds (investment funds focused on climate change solutions, ethical funds, etc.).

According to a study by Leaders Arena, the percentage of institutional investors that apply ESG criteria has increased steadily since 2017.

Percentage of shares that integrate ESG criteria

Of the total managed by institutional investors in Telefónica



Source: Public information on the ownership of shares in Telefónica by institutional investors according to FactSet. Leaders Arena's analysis of the percentage of ESG investment.

The study was completed using data as of 31 December 2021 by analysing the ownership of shares in Telefónica by institutional investors under ESG criteria in accordance with public information and methodology developed by Leaders Arena.

This methodology is based on effective criteria for the integration of ESG issues in the portfolio management of institutional investors and their active ownership programmes. Information used includes ESG investment criteria information published by these investors, as well as their policies on how much dialogue they have with investee companies and how they should vote at General Shareholder Meetings to remain in line with said criteria.

By the end of 2021, this percentage had reached 36.1%, measured on the publicly disclosed total number of Telefónica shares managed by institutional investors. This confirms Telefónica's market appeal in the general context of ESG market growth.

1.7.4. Financing tools

Sustainable finance is emerging as a **key tool** to support the transformation of our economy and our business through the financing of projects with a positive social and/or environmental impact.

History of sustainable debt issuances



The history of our financing has shown that this type of financial instrument is strongly welcomed by the markets. They are also often associated with high over-demand and generally more favourable financing conditions than similar non-sustainable products.

Indeed, we were the **industry's first issuer of senior green bonds and hybrid (green and sustainable) instruments**. The funds obtained have been allocated to environmental projects focused on changing our network from copper to fibre, which is more efficient and has fewer breakdowns; the deployment and improvement of mobile connectivity in rural areas, and; the promotion of entrepreneurship and job creation through investments in start-ups. We intend to continue to leverage the opportunities offered by this financing model.

In addition to senior green bonds and hybrid instruments, we use other sustainable bank financing tools, such as **loans and credits linked to sustainability objectives**, which make it possible for us to progress steadily towards such important corporate targets as reducing emissions or gender equality.

The issue of bonds and hybrid instruments (green and sustainable) is backed by our Sustainable Financing Framework, verified by an independent third party, in our case Sustainalytics. It also provides a framework for action that brings financing strategy in line with sustainability strategy.

These sustainable financing tools (bonds, hybrid instruments and bank financing) are becoming more and more important in the Group's corporate debt structure and are set to become one of the main tools of financial instruments and private investment flows.

It is worth noting that, at the end of 2021, we had **between 5% and 10% of sustainable financing within whole Group financing** and we intend to continue strengthening this new financing scheme and **exceed 10 billion euros** for initiatives with a social and environmental impact in the coming years.

Our strategy to achieve this volume of ESG financing takes into account the regulatory environment and the key role played by all the **new regulations under development** within the framework of the EU's sustainable finance plan and, most notably, the taxonomy regulation and delegated acts.

At Telefónica, we take an active part in the development of all necessary legislation by collaborating with sectoral associations and public bodies. We also provide a **technical vision** (thanks to our knowledge of the business) and a strategic vision (thanks to our experience in sustainable finance) to promote transparency and make the ESG impact of our business known to the investor world.

The new taxonomic reporting requirements are addressed in a specific chapter containing the corresponding taxonomic eligibility data.



[Go to chapter 2.5. European taxonomy for sustainable activities](#)

> Progress in 2021

Financial debt

Following this year's issue of hybrid instruments, we have held our position as the telecommunications company that has raised the most funds under this sustainable financing model. As of 2021, we have reached a total of €3.25 billion in sustainable bonds at Group level and €930 million in sustainability-linked loans, demonstrating our investors' growing interest in ESG.

Following the issue of green bonds and instruments in the last two years, in 2021 again saw us pioneer the **issuance of the first sustainable hybrid instrument in the telecommunications sector**. As part of our **new Sustainable Financing Framework** published the same year, this hybrid bond is worth €1 billion and also involves the financing of social projects. We also issued a second sustainable hybrid bond at the end of 2021, for a volume of €750 million, with the same structure in terms of the use of funds: projects with a positive environmental and social impact in Spain, Germany, and Brazil.

Environmental issues will focus on continuing the transformation of the network, replacing copper with fibre, which is more energy efficient and less prone to breaking down. Fibre roll-out has enabled the closure of copper plants, re-using much equipment, and recycling all material as part of our commitment to the circular economy, and has saved 25.3 GWh between 2019 and 2020.

Social projects will focus mainly on bringing mobile broadband connectivity to unconnected and/or poorly connected rural areas and on boosting entrepreneurship, start-ups and SMEs through Open Innovation initiatives that favour economic development and job creation. By issuing the first hybrid instrument, we have contributed to bridging the digital divide in more than 4,500 rural areas, and around 570 jobs have been created through Open Innovation initiatives.

Furthermore, at local level, following a first sustainable syndicated loan from Telefónica Germany in 2019 linked to the performance of an ESG rating, in 2021 Telefónica Colombia signed three sustainable loans linked to environmental targets, gender diversity—promotion of female managers—and employee training.

Sustainable issuances: use and impact of funds

> ENVIRONMENT

Projects		
Energy efficiency of network infrastructure	Renewable energy	Digital solutions for the environment

Main topics		
Deployment of a more efficient network: fibre	Use of more environmentally friendly energy sources	Energy efficiency

Impacts ¹		
 100.000+ tCO ₂ avoided		
 400.000+ MWh of energy saved		
 69% less consumption of energy/traffic (MWh/PB) in fixed network in Spain		

Data referred to:

1.- Cumulative environmental impacts of the three first bonds issuances: two green and one sustainable.

2.- Social Impacts of the first sustainable bond issued

In terms of sustainable bank financing, at the beginning of 2022 the main syndicated loan of the Telefónica Group was converted from conventional to sustainable for €5.5 billion at corporate level. The credit was linked to sustainability targets, such as reducing greenhouse gas emissions and increasing the number of women in executive positions. It was validated by Sustainalytics and in keeping with our first **Sustainable Lending Corporate Finance Framework**.

For more information on sustainable financing: visit Telefónica website / Shareholders-investors / Rating / Sdg-Framework.

> SOCIETY

Projects	
Broadband deployment (mobile broadband) in disconnected areas	Support for employment and entrepreneurship

Main topics	
Mobile connectivity in rural areas	Enterprise creation
Closing the digital divide	Generating jobs

Impacts ²	
 4,500+ rural areas with mobile broadband	 57 companies receiving investment through
 47M+ beneficiaries of the deployment of mobile broadband in rural areas	 570 jobs created

Lastly, it is interesting to note that, following the completion of the integration of Telefónica and Liberty Global (with O2 and Virgin Media as subsidiaries in the United Kingdom) in June 2021, the **Virgin Media O2 Joint**

Venture Green Bond Framework was published, validated by Sustainalytics. It seeks to foster energy efficiency projects, the use of renewable energies, promotion of the circular economy, and use of clean transport through electric and hybrid vehicles. Based on this Sustainable Financing Framework (SDG Framework), June 2021 saw several issuances in pounds sterling and US dollars for an aggregate amount of almost €2 billion equivalent. The purpose was to finance green projects, such as the deployment of fibre networks and the supply of renewable electricity to power the network. These issuances underline Virgin Media O2's strong commitment to achieving net-zero (Scopes 1 and 2) by 2025.

1.8. Main indicators and footprint

GRI 102-2, 102-4, 102-5, 102-6, 102-7

Telefónica is the company that it is today thanks to its 95 years of transformation and adaptation.

Communication services are becoming increasingly important and society is becoming increasingly demanding. As a result, we are responding to this social demand by efficiently developing a telecommunications infrastructure that is essential for long-term progress.

We think it is people who give meaning to technology, not the other way round. For this reason, we offer connections that bring people together; connections that allow them to express themselves, share and improve their quality of life.

We aim to digitalise the whole of society, leaving no one behind, thus naturally aligning ourselves with the United Nations 2030 Agenda, which highlights the key role of technology, innovation, and communications in addressing humanity's greatest challenges.

We believe that the best solutions are reached by collaborating as well as being considerate and transparent at work. We are an open-minded organization where everyone counts. We work in an honest, simple, and committed way, providing safe, quality connections. Telefónica is still standing strong after almost 100 years of adapting to our customers' needs.

We are a fully private company, in 2021 we operated in 14 countries, with a presence in 33 countries and, with 369 million accesses worldwide.

1.8.1. Consolidated results

Key financial indicators⁽¹⁾

Millions of euros	2021	Organic annual growth
Income	39,277	2.0 %
OIBDA	21,983	1.4 %
CapEx	7,267	10.3 %
OIBDA-CapEx	14,716	-4.4 %

> Key indicators

Revenue

2021	Revenue by segment (millions of euros)
Telefónica Spain	12,417
Telefónica Germany	7,765
Telefónica United Kingdom ⁽¹⁾	2,628
Telefónica Brazil	6,910
Telefónica Hispam	8,362

Note: ⁽¹⁾ Covers the financial results between January and May 2021 of Telefónica UK up until the formation of the joint venture.

Accesses

2021	Total accesses (thousands)
Telefónica Spain	40,135
Telefónica Germany	50,219
United Kingdom(1)	55,988
Telefónica Brazil	98,854
Telefónica Hispam	110,415

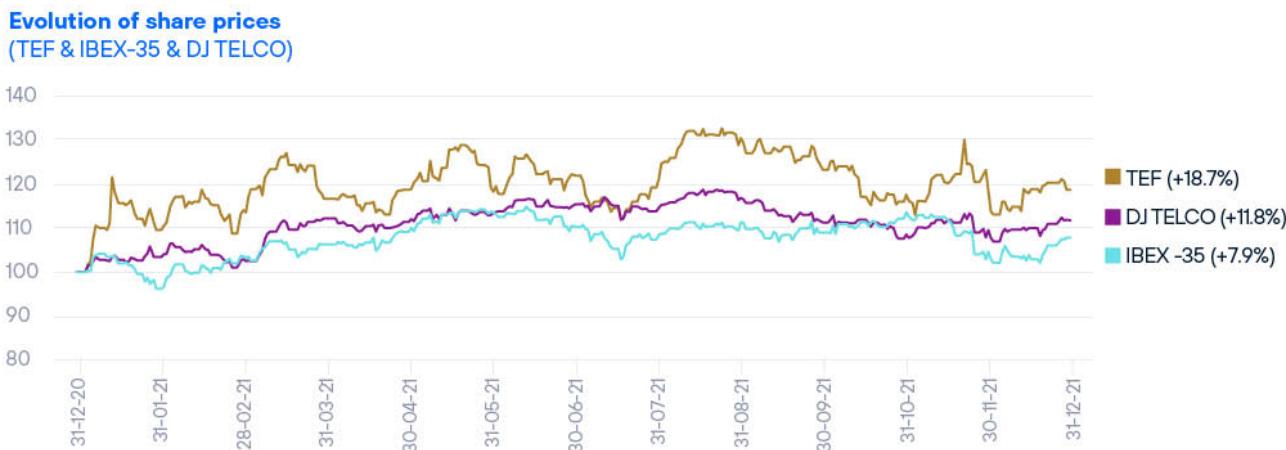
Note: ⁽¹⁾ VMED O2 taken into account.

Millions of euros	2021	Reported annual growth
Net financial debt	26,032	-26.1%
Free Cash Flow	2,648	-44.8%

Note: ⁽¹⁾ Consolidated group results include the results between January and May 2021 of Telefónica UK up until the formation of the joint venture.

1.8.2. Share price performance

Telefónica on the stock exchange, 2021



Share figures

Close (€)	3.85
52-week maximum	4.31
52-week minimum	3.25
Average daily volume (millions of shares; BME)	18.1
Number of shares (million)	5,779
Market capitalisation (million €)	22,261

Analysts' recommendations¹

Buy	44%
Hold	42%
Sell	14%

Stock Exchange listings

Madrid
Nueva York (ADR)
Lima (ADS)

1. Bloomberg; 31/12/2021

Remuneration/Total shareholder return

€0.3/share

- €0.15 per share December 2021
- €0.15 per share June 2022
- Paid in 2021; "Voluntary Flexible Dividend"
- €0.2 per share in June and
€0.15 per share in December

TSR 2021: +29.6%

Target Price¹

 **4.52**
€/share

Credit ratings

Moody's	Baa3
Fitch	BBB
S&P	BBB-

Number of shareholders

 **1.2 million**

Major shareholders

BBVA	4.99%
CaixaBank	4.49%
BlackRock	4.48%

Global markets closed higher in 2021, with the MSCI World Index up +20.1%. In the United States, the main indices reached record highs at the end of the fourth quarter, with the S&P rising +26.9%, the Nasdaq +21.4% and the Dow Jones +18.7% for the year. Among the major European markets (EStoxx 50 +21.0%), the Cac 40 had the highest return (+28.9%) followed by the DAX (+15.7%) and FTSE 100 (+14.3%), while the IBEX 35 recorded a relatively weaker performance (+7.9%).

Market developments during the year were marked by the evolution of the COVID-19 pandemic and reaction of governments, the pace of recovery and outlook for global economic activity, tensions in supply chains and inflation, the degree of monetary tightening by central banks, as well as an escalation of tensions between the United States and China. In this regard, in the first half of the year the main markets rallied more than in the second half, posting double digit growth versus single digits, with

defensive and value sectors being favoured first and growth and cyclical sectors later. Overall, low trading volumes and predominantly short-term movements were observed, with no clear market direction at many points during the year. Looking ahead to 2022, concerns remain focused on the evolution of the pandemic and its effects on economic growth, the impact on the economy of monetary policy tightening by major central banks, the impact and duration of current levels of inflation, and the ability to deal with supply chain problems.

While the telecommunications sector outperformed the market in the first quarter of the year (+12% for the DJ Telco vs. +8% for the Euro Stoxx 600), this trend reversed in the following quarters to close the year at +11.8% for the DJ Telco vs. +22.2% for the Euro Stoxx 600. Although the sector has proven to be essential for society and the economy, it has been impacted by (i) the sectoral rotation of markets; (ii) expectations of increased investment in spectrum and new technologies; (iii) a high level of indebtedness; (iv) lack of growth; (v) high competition in certain markets; (vi) complex regulatory environment, despite several positive signs in this area during the year, and; (vii) roaming, which has not recovered to pre-pandemic levels. However, in 2021, the sector had its best absolute performance since 2015, with further upward revisions in estimates and record M&A news volume, supported by higher valuations assigned by private markets, along with consolidation rumours in several markets.

Thanks to the strength of Telefónica's business model and the execution of the strategy, with the achievement of major milestones such as the creation of the VMED O2 joint venture in the UK and the sale of Telxius towers, Telefónica's share closed 2021 at €3.85, +18.7% in the year, with a total shareholder return of +29.6%. Telefónica delivered higher organic growth during the year, with more efficient capital allocation and reduced net financial debt significantly, simplifying and digitalising the operating model, reducing complexity.

Regarding the dividend payment, in 2021 and under the voluntary flexible dividend modality, €0.35 per share was paid (€0.20 per share in June and €0.15 per share in December). The shareholder remuneration policy consisted of a dividend of €0.30 per share, €0.15 per share paid in December 2021 and €0.15 per share to be paid in June 2022. As a result, the dividend yield for the year was 7.8%.

Telefónica closed the 2021 financial year with a market capitalisation of €22,261 million, making it the 29th largest company in the global telecommunications sector.

1.8.3. Advancing towards a more sustainable world

GRI 102-4, 204-1

> Networks: our connectivity

Connectivity is the first requirement for access to the digital world and at Telefónica we are constantly working to build and maintain a future-proof, reliable, resilient, and secure network.

The COVID-19 crisis has tested the robustness and stability of our network, which has withstood an increase in data traffic of more than 50% in 2020, and a 40% increase in fixed and mobile network in 2021 without saturation and availability of over 99.9%.



[Go to chapter 2.9. Responsibility in our products and services](#)

We have a flexible and efficient network thanks to an increasingly automated management that is evolving towards the zero-touch concept. In addition, a more sustainable network, powered by renewable sources, which has managed to reduce energy consumption by 7.2% since 2015, despite a 6.7-fold increase in traffic handled since then.

In 2021, we continued our commitment to inclusive connectivity by extending our telecommunications infrastructure and developing new technologies to bring connectivity and digital services to all. In this regard, our LTE mobile networks reached a penetration of 90% and we have more than 22 million ultra-broadband accesses (a 46% growth over the previous year).

Telefónica is committed to the future and that is why we have launched on 5G in our core markets. 5G is not just a new generation of mobile telephony, it is a revolution, both due to its practical applications for all sectors and because it enables ultra-broadband coverage to be extended. In addition, 5G technology is more efficient, up to 90% more efficient than 4G per unit of traffic.

LTE Penetration

	2020	2021	Variation year-on-year
Spain	88.4 %	91.6 %	3.2 pp
United Kingdom	93.0 %	91.5 %	-1.5 pp
Germany	94.9 %	98.9 %	4.0 pp
Brazil	78.6 %	85.1 %	6.5 pp
Argentina	85.0 %	89.2 %	4.2 pp
Peru	86.8 %	91.3 %	4.5 pp
Chile	88.7 %	91.8 %	3.1 pp
Colombia	75.5 %	83.1 %	7.6 pp
Mexico	70.4 %	79.7 %	9.3 pp
Total	85.2 %	89.6 %	4.4 pp

UBB Accesses (thousands)

	2020	2021	Variation year-on-year
Spain	4,614	4,848	5 %
Germany	1,798	1,857	3 %
Brazil	5,084	5,535	9 %
Hispan	3,695	4,432	20 %
Total	15,213	22,282	46 %

> Customer trust

We have been monitoring and reporting our Net Promoter Score (NPS) as a **recommendation indicator for our products and services** since 2018 and we perform the calculation of the Group's Global NPS based on the results obtained from each of our operations. This year, 2021, the global calculation was made based on the results obtained in Spain, Germany, Brazil and the Hispan region.



[Go to chapter 2.14. Clients](#)

In 2021, we closed the year with a result of 27%, **4 points above** last year's figure and we exceeded the annual target as a result of the positive evolution in Brazil and more significantly in Spain, while Germany closed 2021 showing signs of recovery.

NPS Telefónica Group⁽¹⁾

	2020 ⁽²⁾	2021
	23	27

Note:

⁽¹⁾ Includes Spain, Germany, Brazil and Hispan (Argentina, Chile, Colombia, Ecuador, Mexico, Peru, Uruguay, and Venezuela).

⁽²⁾ 2020 data recalculated for comparability purposes.

> Environmentally responsible

Being aware of our impact on the environment is the first step towards a sustainable business model. At Telefónica, we aim to **minimise our footprint** and help maintain the fragile environmental balance, as we all depend on it. In addition, we extend our environmental practices to the entire value chain: suppliers, through contract clauses, disclosure actions and audits; employees, through training, and customers and others, through consumer programmes and awareness-raising actions.

At Telefónica, we want to help **curb climate change** and build a greener future through digitalisation. We have strengthened our emissions reduction targets to help limit the global temperature rise to 1.5°C and neutralised the remaining emissions to **net zero by 2025** at our main operations.

These objectives are not only compatible with the expansion of the network and quality of service, but also help us to be more competitive.

In 2021, we achieved 79 % of electricity consumption from renewable sources, 100% in our main markets, and reduced carbon emissions by 70% compared to 2015.

In addition, we have avoided 8.7 million tonnes of CO₂ at our customers, equivalent to the carbon absorbed by 143 million trees.



[Go to chapter 2.2. Energy and climate change](#)

Key energy and climate change indicators⁽¹⁾

	2015	2019	2020	2021
% Renewable electricity consumption in own facilities	17.2 %	73.8 %	78.8 %	79.4 %
Energy consumption by traffic (MWh/PB)	386	107	72	54
% Evolution of energy efficiency (base year: 2015)	—	-72%	-81%	-86%
GHG emissions scope 1+2 (market method) (tCO2eq)	1,811,155	886,319	675,459	536,737

Note:

⁽¹⁾The data in this table does not include Telefónica UK (O2).

> Diversity among our employees

At Telefónica we incorporate diversity and inclusion as a key element to connect talent and to grow as a company. The Global Diversity Council promotes an inclusive culture, allowing employees to contribute their views.

We are committed to gender equality, LGBT+ community, generational talent, ethnic diversity, and the inclusion of persons with disabilities.

With regards to **gender equality**, our targets for 2024 are to achieve 33% women in executive positions and an adjusted pay gap of +/-1%. These commitments contribute to our long-term objective to eliminate the gender pay gap by 2050.



[Go to chapter 2.6. Human capital](#)

Women in Telefónica

	2016	2017	2018	2019	2020	2021
Women in the workforce	38 %	38 %	38 %	38%	38%	38 %
Female executives	21 %	22 %	23 %	27%	27 %	30 %

Adjusted pay gap

2020	2021
2.5 %	1.2 %

> Our contribution and impact

At Telefónica, we help society thrive by promoting economic and social progress with digitalisation.

During 2021, we carried out, for the third consecutive year, a comprehensive study of Telefónica's contribution to the most material issues and how we can best generate value and impact.



[Go to chapter 2.10. Contribution and impact on communities](#)

Telefónica's overall contribution

2021	Income (€ millions)	Employees	Percentage of suppliers awarded local contracts	Total investment in the country (€ millions)	Staff costs (€ millions)	Taxes paid (€ millions)
Group	39,277	103,934	91	7,267	6,733	3,206

1.8.4. Analysts and rankings

Bloomberg Gender Equality Index



Included

CDP



A

CDP Supplier Engagement



A

**Digital Inclusion Benchmark
(DIB)**



89.5/100
1st in the world (ICT sector)

EcoVadis



73/100

Fortune

Fortune 500

Members of Fortune 500 in 2021
Members of the Most Admired Companies 2022
list (4th in the world/2nd in Europe)

FTSE Russell



4.4/5

1st in the world (telecommunications sector)

Moody's Vigeo Eiris



67/100

MSCI



A

Ranking Digital Rights



1st in the telecommunications sector

Refinitiv

REFINITIV® 

A -

S&P DJSI

Member of
**Dow Jones
Sustainability Indices**

86/100
Member of DJSI EUROPE

Sustainalytics

 **SUSTAINALYTICS**
a Morningstar company

17.4 (low risk)
14th in the telecommunications sector

Workforce Disclosure Initiative

 **WDI**
Workforce Disclosure Initiative
2021 RESPONDER

87%

Note:

The table includes the latest valuations provided by institutions in 2021 or later but based on information from that year.

1.9. Business overview GRI 102-6

1.9.1. Highlights

Positive momentum in y-o-y operating income, reaching 13,586 million euros, impacted by extraordinary factors, mainly capital gains from the establishment of JV VMED O2 UK and the sale of the towers divisions of Telxius Group. Revenues in 2021 totaled 39,277 million euros, decreasing in reported terms by 8.8% year on year, mainly as a result of the changes in the consolidation perimeter, in particular, the establishment of JV VMED O2 UK (and the related deconsolidation of our UK business), the sale of the towers divisions of Telxius Group and the sale of Telefónica de Costa Rica and, to a lesser extent, the evolution of foreign exchange rates and, in particular, the depreciation against the euro of the Brazilian real.

We further enhanced our competitive position across core markets by driving market consolidation in the UK and Brazil, acquiring additional spectrum in the UK, Spain and Brazil, and delivering incremental improvement in network quality in Germany.

Our approach to capital allocation remained unchanged, with priority firmly on developing new generation networks based on fiber and 5G, as reflected in the speed of our fiber rollout in Spain and Brazil, and the Gigabit upgrade of cable to fiber in the UK (through JV VMED O2 UK).

These investments, coupled with our growing Digital Home consumer ecosystem portfolio, served to further enhance our customer experience, driving a positive y-o-y trend in total accesses supported by growth in high value UBB, fiber and contract mobile accesses.

We made substantial progress in streamlining and digitalizing our operating model, and further reduced our exposure to Latin America by completing the sale of Telefónica de Costa Rica.

In parallel, we reinforced our commitment to sustainability as an integral part of our day-to-day business. We continued to drive connectivity and connect the unconnected, bringing economic and social benefits as well as playing a positive role in the decarbonization of other sectors through digitalization.

During 2021 Telefónica Tech has proactively reinforced its capabilities through acquisitions, including Cancom UK&I, Altostratus, and Geprom, while Telefónica Infra has allowed the creation of growth opportunities, together with a pipeline of potential value-accretive infra deals, including the partial sale of some of these vehicles.

Telefónica's **total accesses** including 100% of the accesses of JV VMED O2 UK (in respect of which Telefónica has a 50% stake) totaled 369.1 million as of December 31, 2021, increasing by 6.9% year-on-year, mainly due to the inclusion of Virgin Media's accesses in JV VMED O2 UK, which contributed 4.8 p.p. to year-on-year growth, offset in part by the exclusion of Telefónica de Costa Rica (which sale was completed on August 9, 2021), which reduced the growth by 0.7 p.p. In organic terms (calculated as set forth further below), there was a 2.6% increase, mainly due to better performance in postpaid accesses in Telefónica Brazil, Telefónica Hispam and Telefónica Germany, due to the lessening of restrictive measures related to the pandemic compared to the previous year.

The table below shows the evolution of accesses over the past two years as of December 31 of such years:

Accesses

Thousands of accesses	2020	2021	%Reported YoY	%Organic YoY
Fixed telephony accesses ⁽¹⁾	28,243.0	29,966.9	6.1%	(8.3%)
Broadband ⁽²⁾	20,077.2	25,833.3	28.7%	1.3%
UBB	15,212.8	22,281.8	46.5%	8.0%
FTTH	9,964.2	12,243.8	22.9%	22.9%
Mobile accesses ⁽³⁾	266,287.1	277,793.3	4.3%	4.0%
Prepay	131,542.0	129,675.7	(1.4%)	(0.2%)
Contract	108,587.5	117,432.1	8.1%	5.6%
IoT	26,157.7	30,685.4	17.3%	17.6%
Pay TV	8,059.5	11,111.7	37.9%	(3.8%)
Retail Accesses	322,978.5	344,945.5	6.8%	2.3%
Wholesale Accesses	22,455.0	24,173.3	7.7%	7.7%
Fixed wholesale accesses	3,722.8	3,694.5	(0.8%)	(0.8%)
FTTH wholesale accesses	2,606.8	2,988.0	14.6%	14.6%
Mobile wholesale accesses	18,732.1	20,478.8	9.3%	9.3%
Total Accesses	345,433.5	369,118.9	6.9%	2.6%

Notes:

- The table includes, with respect to 2020, accesses of Telefónica de Costa Rica (2.5 million total accesses) and, with respect to 2020 and 2021, accesses of Telefónica El Salvador (1.9 million and 1.8 million total accesses as of December 31, 2020 and 2021, respectively). The sale of Telefónica de Costa Rica was completed on August 9, 2021. The sale of Telefónica El Salvador was completed on January 13, 2022.

⁽¹⁾ Includes fixed wireless and VoIP accesses.

The table below shows the contribution to reported growth of each item considered to calculate the organic variations. To exclude the impact of the closing of the transaction with Liberty Global and the establishment of JV VMED O2 UK in the calculation of organic variations, the 2020 comparative figures include the accesses of Virgin Media. To exclude the impact of the sale of

Telefónica de Costa Rica in the calculation of organic variations, the 2020 comparative figures exclude the accesses of Telefónica de Costa Rica. For each line item, the contribution to reported growth, expressed in p.p., is the result of dividing the amount of each impact by the consolidated reported figure for the previous year.

Contribution to the reported growth (percentage points)

Thousands of accesses	%Reported YoY	%Organic YoY	%Reported YoY	%Organic YoY Costa Rica
Fixed telephony accesses	6.1%	(8.3%)	15.8	(0.2)
Broadband	28.7%	1.3%	27.0	—
UBB	46.5%	8.0%	35.6	—
FTTH	22.9%	22.9%	—	—
Mobile accesses	4.3%	4.0%	1.3	(0.9)
Prepay	(1.4%)	(0.2%)	0.1	(1.4)
Contract	8.1%	5.6%	3.0	(0.6)
IoT	17.3%	17.6%	—	(0.2)
Pay TV	37.9%	(3.8%)	43.4	(0.1)
Retail Accesses	6.8%	2.3%	5.2	(0.8)
Wholesale Accesses	7.7%	7.7%	—	—
Fixed wholesale accesses	(0.8%)	(0.8%)	—	—
FTTH wholesale accesses	14.6%	14.6%	—	—
Mobile wholesale accesses	9.3%	9.3%	—	—
Total Accesses	6.9%	2.6%	4.8	(0.7)

The table below shows the evolution of accesses by segment:

ACCESSES 2021	YoY variation	% Over Total Accesses	
		2020	2021
Telefónica Spain	(2.8%)	12.0%	10.9%
Telefónica United Kingdom / VMED O2 UK ⁽¹⁾	5.1%	10.6%	15.2%
Telefónica Germany	2.9%	14.1%	13.6%
Telefónica Brazil	3.9%	27.5%	26.8%
Telefónica Hispam	1.8%	31.4%	29.9%
Other companies	(10.6%)	4.4%	3.7%

Note:

⁽¹⁾ Our former Telefónica United Kingdom segment was replaced by our new VMED O2 UK segment on June 1, 2021.

Mobile accesses totaled 277.8 million as of December 31, 2021, up 4.3% compared to 2020 mainly due to the inclusion of Virgin Media's accesses which contributed 1.3 p.p. to year-on-year growth, offset in part by the exclusion of Telefónica de Costa Rica, which reduced the growth by 0.9 p.p. In organic terms, mobile accesses increased 4.0% due to an increase in postpaid (8.1% in reported terms and 5.6% in organic terms), offset in part by the decrease in prepay (1.4% in reported terms and 0.2% in organic terms). Postpaid accesses represented 47.5% of the mobile accesses excluding IoT (+2.3 p.p. in reported terms and +1.4 p.p. in organic terms y-o-y).

Fixed broadband accesses stood at 25.8 million at December 31, 2021, up 28.7% year-on-year mainly due to the inclusion of Virgin Media's accesses, which contributed 27.0 p.p. to year-on-year growth. In organic terms, fixed broadband accesses increased 1.3% y-o-y. Retail fiber (FTTH) accesses stood at 12.2 million at December 31, 2021, growing by 22.9% compared to December 31, 2020 in both reported and organic terms.

Pay TV accesses totaled 11.1 million as of December 31, 2021, up 37.9% year-on-year mainly due to the inclusion of Virgin Media's accesses which contributed 43.4 p.p. to year-on-year growth, offset in part by the exclusion of Telefónica de Costa Rica which reduced the growth by 0.1 p.p. In organic terms, Pay TV accesses decreased by 3.8% due to the evolution in Spain and Brazil.

The tables below show the evolution of Telefónica's estimated access market share for mobile and fixed broadband for the past two years.

Competitive Position Evolution

Telefónica	Mobile Market Share ⁽¹⁾	
	2020	2021
Spain	29.3 %	27.6 %
United Kingdom ⁽²⁾	25.3 %	30.1 %
Germany	35.9 %	34.9 %
Brazil	33.6 %	33.1 %
Argentina	29.2 %	29.2 %
Chile	26.6 %	25.8 %
Peru	31.2 %	30.4 %
Colombia	25.0 %	26.0 %
Venezuela	55.7 %	54.7 %
Mexico	21.0 %	19.5 %
Ecuador	29.9 %	31.5 %
Uruguay	37.0 %	29.1 %

⁽¹⁾ Internal estimates in both years.

⁽²⁾ In 2021, it refers to JV VMED O2 UK market share as of September 2021.

Telefónica	FBB Market Share ⁽¹⁾	
	2020	2021
Spain	36.6 %	35.3 %
Brazil	17.8 %	15.3 %
Argentina	16.5 %	11.7 %
Chile	27.8 %	29.8 %
Peru	66.2 %	61.0 %
Colombia	15.4 %	13.8 %

⁽¹⁾ Internal estimates in both years.

1.9.2. 2021/2020 Consolidated results

In this section, we discuss changes in the Group's consolidated income statements for the years ended December 31, 2021 and 2020.

Consolidated Results	Year ended December 31,				Variation	
	2020		2021		2021 vs 2020	
	Millions of euros	Total	% of revenues	Total	% of revenues	Total
Revenues	43,076	100.0%	39,277	100.0%	(3,799)	(8.8%)
Other income	1,587	3.7%	12,673	32.3%	11,086	698.3%
Supplies	(13,014)	(30.2%)	(12,258)	(31.2%)	756	(5.8%)
Personnel expenses	(5,280)	(12.3%)	(6,733)	(17.1%)	(1,453)	27.5%
Other expenses	(12,871)	(29.9%)	(10,976)	(27.9%)	1,895	(14.7%)
OPERATING INCOME BEFORE DEPRECIATION AND AMORTIZATION (OIBDA)	13,498	31.3%	21,983	56.0%	8,485	62.9%
OIBDA Margin	31.3 %		56.0 %			24.6 p.p.
Depreciation and amortization	(9,359)	(21.7%)	(8,397)	(21.4%)	962	(10.3%)
Amortization of intangible assets, depreciation of property, plant and equipment	(7,756)	(18.0%)	(6,748)	(17.2%)	1,008	(13.0%)
Amortization of rights of use	(1,603)	(3.7%)	(1,649)	(4.2%)	(46)	2.9%
OPERATING INCOME (OI)	4,139	9.6%	13,586	34.6%	9,447	228.2%
Operating Margin	9.6 %		34.6 %			26.1 p.p.
Share of income of investments accounted for by the equity method	2	0.0%	(127)	(0.3%)	c.s.	c.s.
Net financial expense	(1,558)	(3.6%)	(1,364)	(3.5%)	194	(12.5%)
PROFIT BEFORE TAX	2,583	6.0%	12,095	30.8%	9,512	368.2%
Corporate income tax	(626)	(1.5%)	(1,378)	(3.5%)	(752)	120.0%
PROFIT FOR THE YEAR	1,957	4.5%	10,717	27.3%	8,760	447.6%
Attributable to equity holders of the parent	1,582	3.7%	8,137	20.7%	6,555	414.4%
Attributable to non-controlling interests	375	0.9%	2,580	6.6%	2,205	587.4%

Adjustments made to calculate organic variations

Year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis, by considering a constant perimeter of consolidation and constant average foreign exchange rates and by making certain other adjustments which are described herein. "Organic" variations should not be viewed in isolation or as an alternative to reported variations.

For purposes of this report, 2021/2020 "organic" variation is defined as the reported variation as adjusted to exclude the impacts detailed below:

Foreign exchange effects: we have excluded the impact of changes in exchange rates (except for countries with hyperinflationary economies: Argentina and Venezuela) by assuming constant average foreign exchange rates year-on-year (using average foreign exchange rates of 2020 for both years).

Foreign exchange rates had a negative impact on our reported 2021 results, mainly due to the depreciation of the Brazilian real against the euro.

Foreign exchange effects decreased revenue growth by 2.3 percentage points, OIBDA growth by 2.7 percentage points and operating income growth by 3.0 percentage points in 2021.

Changes in the consolidation perimeter: we have excluded the impact of changes in our consolidation perimeter in 2021 and 2020. The main changes were the constitution of JV VMED O2 UK (and, therefore, the exclusion from our consolidation perimeter of the entities that comprised our former Telefónica United Kingdom segment from that date), the sale of the towers divisions of Telxius Group, the sale of Telefónica de Costa Rica and the sale of 60% of InfraCo, SpA in 2021. To exclude the impact of these

transactions in the calculation of organic variations, the 2020 comparative figures exclude the results of the companies that are no longer part of the consolidated perimeter from the date of the relevant transaction to the end of the year. Additionally, we have excluded the depreciation and amortization of these entities from January 1, 2020 until such month in 2020.

No adjustments for changes in the consolidation perimeter were made with respect to the results of JV VMED O2 UK and other joint ventures established in 2021, as their results are accounted for under the equity method and organic variations are only calculated through operating income.

Gains or losses on the sale of companies the gains obtained or losses incurred from the sale of companies have been excluded to calculate organic variations.

In 2021, we mainly excluded the gains resulting from the establishment of JV VMED O2 UK (4,460 million euros), the sale of the European and Latin American towers divisions of the Telxius Group (6,099 million euros), the establishment of FiBrasil (26 million euros), the sale of 60% of the shares in InfraCo, SpA (274 million euros) and the sale of Telefónica de Costa Rica (136 million euros).

In 2020, we mainly excluded a gain of 29 million euros related to the initial registration at fair value of the stake of Telefónica in the joint venture with the Allianz Group for the deployment of fiber in Germany.

Restructuring costs: we have excluded the impact in 2021 and 2020 of restructuring costs, mainly those related to the Individual Suspension Plan adopted under the Social Pact for Employment in Telefónica Spain in 2021.

The distribution by segment of the restructuring costs, in terms of their impact on OIBDA and operating income, is as follows:

Millions of euros	2020	2021
Telefónica Spain	(2)	1,382
Telefónica United Kingdom	—	—
Telefónica Germany	37	22
Telefónica Brazil	—	—
Telefónica Hispam	17	174
Other companies	34	85
Total restructuring costs	86	1,663

Reported variation of companies in hyperinflationary countries: in the organic variation, the y-o-y reported variation of the companies in countries with hyperinflationary economies (Argentina and Venezuela) is excluded. In reported terms, in 2021 the revenues of these companies increased by 327 million euros and their OIBDA, operating income and OIBDA-CapEx decreased by 112 million euros, 107 million euros, 134 million euros, respectively, compared to 2020.

Impairment of goodwill and other assets: in 2021 the impairment of goodwill amounting to 416 million euros, mainly in Telefónica Peru, has been excluded. In 2020, the impairment of the goodwill and certain assets of Telefónica Argentina has been excluded, amounting to 894 million euros, which consists of a 519 million euros goodwill impairment loss and impairment losses over non-current assets amounting to 375 million euros.

Judicial decision PIS/COFINS: we excluded the positive impact of the judicial decisions of the Brazilian Supreme Court recognizing the right to deduct the state tax on goods and services (ICMS) from the calculation of the basis of the Social Integration Program-PIS (Programa de Integração Social) and the Financing of Social Security - COFINS (Contribuição para Financiamento de Seguridade Social) amounting to 243 million euros in OIBDA in 2021.

Spectrum acquisition: the organic variation of capital expenditures ("CapEx") excludes the impact of spectrum acquisitions in 2021 and 2020.

In 2021, spectrum acquisitions amounted to 1,704 million euros of which 706 million euros corresponded to Telefónica Brazil, 515 million euros to our former Telefónica United Kingdom segment (which acquisitions took place before JV VMED O2 UK was established), 352 million euros to Telefónica Spain and 131 million euros to Telefónica Chile.

In 2020, spectrum acquisitions amounted to 126 million euros of which 94 million euros corresponded to Telefónica United Kingdom and 32 million euros to Telefónica Brazil.

Other adjustments: organic variations exclude the following:

In 2021: (i) the provision for contingencies in Telefónica Brazil amounting to 154 million euros with a negative impact in OIBDA; (ii) the impact of the transformation of the operating model of Telefónica México (following the AT&T agreement entered into in 2019) on depreciation and amortization amounting to 88 million euros; (iii) the provisions recorded in Telefónica Spain to optimize the distribution network (44 million euros in OIBDA); and (iv) the impact of not amortizing assets held for sale in Telefónica El Salvador (14 million euros in amortization and operating income).

In 2020: (i) the impact of the accelerated amortization resulting from the transformation of the operating model of Telefónica México (following the AT&T agreement in 2019), amounting to 320 million euros in 2020 in depreciation and amortization and operating income; and (ii) other adjustments amounting to 34 million euros in OIBDA, mainly due to the provisions recorded in Telefónica Spain to optimize the distribution network (29 million euros in OIBDA), and the gains on the spectrum sale in Telefónica Germany (5 million euros in OIBDA) and the impact of not amortizing assets held for sale in Telefónica El Salvador (32 million euros in amortization and operating income).

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance

with the adjustments referred to above) of certain line items of the consolidated income statement and CapEx and OIBDA-CapEx:

TELEFÓNICA 2021	YoY variation	
	% Reported YoY	% Organic YoY
Revenues	(8.8%)	2.0%
Other income	698.3%	18.8%
Supplies	(5.8%)	6.8%
Personnel expenses	27.5%	3.3%
Other expenses	(14.7%)	(0.7%)
OIBDA	62.9%	1.4%
Depreciation and amortization	(10.3%)	(0.5%)
Operating income (OI)	228.2%	5.6%
CapEx	24.0%	10.3%
OIBDA-CapEx	92.7%	(4.4%)

The table below shows the contribution to reported growth of each item considered to calculate the organic variations, as explained above. For each line item, the contribution to reported growth, expressed in percentage points, is the result of dividing the amount of the impact of each such item (on a net basis when the impact affects both years) by the consolidated reported figure for the previous year.

TELEFÓNICA 2021	Contribution to reported growth (percentage points)								
	Exchange rate effect	Perimeter change	Capital gains/ losses on sale of companies	Restruc- turing costs	Reported variation				
					in hyperin- flationary countries	Impairment of goodwill and other assets	Judicial decision PIS/ COFINS	Spectrum acquisition	Other adjustments
Revenues	(2.3)	(9.1)	—	—	0.8	—	—	—	0.0
Other income	(2.7)	(8.3)	692.2	—	0.0	—	—	—	—
Supplies	(1.7)	(11.0)	—	—	0.8	—	—	—	—
Personnel expenses	(2.2)	(5.2)	—	30.2	1.7	—	—	—	—
Other expenses	(2.7)	(7.9)	(0.0)	(0.1)	0.9	(3.7)	(2.1)	—	1.4
OIBDA	(2.7)	(9.5)	81.2	(11.7)	0.1	3.5	2.0	—	(1.3)
Depreciation and amortization	(2.6)	(4.1)	—	—	(0.0)	—	—	—	(3.0)
Operating income	(3.0)	(21.6)	264.9	(38.2)	0.3	11.5	6.4	—	2.5
CapEx	(4.0)	(11.2)	—	—	0.4	—	—	29.7	0.1
OIBDA-CapEx	(1.8)	(8.1)	143.6	(20.7)	(0.2)	6.3	3.5	(22.8)	(2.4)

1.9.3. Analysis of results

Revenues (net sales and provided services) in 2021 totaled 39,277 million euros, decreasing in reported terms by 8.8% year on year, mainly as a result of the changes in the consolidation perimeter (-9.1 p.p.), in particular, the constitution of JV VMED O2 UK (and, therefore, the exclusion from our consolidation perimeter of the entities that comprised our former Telefónica United Kingdom segment from that date), the sale of the towers divisions of Telxius Group and the sale of Telefónica de Costa Rica; and to a lesser extent, the evolution of foreign exchange rates (-2.3 p.p.) and, in particular, the depreciation against the euro of the Brazilian real. In organic terms, revenues grew by 2.0%, mainly as a result of increased handset sales in all business areas and the growth in service revenues.

Other income mainly included gains on the sale of assets and, to a lesser extent, own work capitalized in our fixed assets. In 2021, other income totaled 12,673 million euros compared to 1,587 million euros in 2020. This increase was mainly attributable to the gains resulting from the sale of the European and Latin American towers divisions of Telxius Group (6,099 million euros), the establishment of JV VMED O2 UK (4,460 million euros), the sale of 60% of the shares in InfraCo, SpA (274 million euros), the sale of Telefónica de Costa Rica to Liberty Global (136 million euros) and the establishment of FiBrasil in Brazil (26 million euros). In organic terms, other income increased 18.8% y-o-y.

The total amount of supplies, personnel expenses and other expenses was 29,967 million euros in 2021, down 3.8% year-on-year in reported terms. This decrease was mainly attributable to the impact of changes in the scope of consolidation (-8.8 p.p.), changes in foreign exchange rates (-2.2 p.p.) and the impairment of goodwill and other assets in Telefónica Argentina in 2020, which exceeded the amount of the impairment in Telefónica Peru in 2021 (-1.6 p.p.), partially offset by the higher restructuring costs (+5.1 p.p.). In organic terms, the total amount of supplies, personnel expenses and other expenses increased by 3.2%. The year-on-year variation in organic terms was significantly affected by higher supply and personnel costs. The evolution of these expenses is explained in greater detail below:

Supplies amounted to 12,258 million euros in 2021, down 5.8% year-on-year in reported terms, as a result mainly of changes in the scope of consolidation (-11.0 p.p.) and, to a lesser extent, the impact of changes in foreign exchange rates (-1.7 p.p.). In organic terms, supplies increased by 6.8% year-on-year, mainly due to higher TV content costs and higher costs related to IT sales in Telefónica Spain.

Personnel expenses amounted to 6,733 million euros in 2021, up 27.5% year-on-year in reported terms mainly as a result of the higher restructuring costs (+30.2 p.p.), mainly related to the Individual Suspension Plan in Spain, partially offset by the impact of changes in the scope of consolidation (-5.2 p.p.) and changes in foreign exchange rates (-2.2 p.p.). In organic terms, personnel expenses increased by 3.3% year-on-year, as a result of the increasing normalization of business activity, following the cost saving measures implemented in 2020 in response to the COVID-19 pandemic in practically all geographies.

The average headcount was 107,776 employees in 2021, down 4.8% compared to 2020, mainly as a result of the deconsolidation of the entities that comprised our former Telefónica United Kingdom segment in June 2021.

Other expenses (principally external services and, to a significantly lesser extent, taxes other than income tax) amounted to 10,976 million euros in 2021, down 14.7% year-on-year in reported terms. This decrease was mainly attributable to the impact of changes in the scope of consolidation (-7.9 p.p.), the impairment of goodwill and other assets in Telefónica Argentina in 2020, which exceeded the amount of the impairment in Telefónica Peru in 2021 (-3.7 p.p.), the impact of foreign exchange rates (-2.7 p.p.) and the positive impact of the judicial decisions of the Brazilian Supreme Court recognizing the right to deduct the state tax on goods and services (ICMS) from the calculation of the basis of the Social Integration Program-PIS (Programa de Integração Social) and the Financing of Social Security- COFINS (Contribuição para Financiamento da Seguridade Social) (-2.1 p.p.). In organic terms, other expenses decreased by 0.7% year-on-year due mainly to the saving measures carried out by the Group.

As a result of the foregoing, OIBDA totaled 21,983 million euros in 2021, compared with 13,498 million euros in 2020, significantly impacted by the gains from the transactions recorded in "Other income". In organic terms, OIBDA increased by 1.4% year-on-year.

Depreciation and amortization amounted to 8,397 million euros in 2021, decreasing by 10.3% compared to 2020 in reported terms mainly as a result of changes in the consolidation perimeter (-4.1 p.p.), mainly due to the recognition of the entities that comprised our former Telefónica United Kingdom segment as a disposal group held for sale in May 2020, the impact of foreign exchange rates (-2.6 p.p.) and the impact of the accelerated amortization related to the transformation of the operating model of Telefónica México, which affected 2020 to a greater extent (-2.5 p.p.). In organic terms, depreciation and amortization decreased by 0.5%.

Operating income (OI) in 2021 totaled 13,586 million euros, compared with 4,139 million euros in 2020, significantly impacted by the gains recorded in "Other income" (+264.9 p.p.). To a much lesser extent, the year-on-year increase was explained by the impairment of goodwill and other assets in Telefónica Argentina in 2020, which exceeded the amount of the impairment in Telefónica Peru in 2021 (+11.5 p.p.), the judicial decisions of the Brazilian Supreme Court recognizing the right to deduct the state tax on goods and services (ICMS) from the calculation of the basis of the Social Integration Program-PIS (Programa de Integração Social) and the Financing of Social Security- COFINS (Contribuição para Financiamento da Seguridade Social) (+6.4 p.p.) and the impact of the accelerated amortization related to the transformation of the operating model of Telefónica México, following the AT&T agreement in 2020 (+5.6 p.p.). The year-on-year increase was partially offset by the higher restructuring costs, which were mainly related to the Individual Suspension Plan in Spain in 2021, which totaled 1,382 million euros (-38.2 p.p.), changes in the consolidation perimeter (-21.6 p.p.), the provision for contingencies in Telefónica Brazil (-4.1 p.p.) and the foreign exchange rate effects (-3.0 p.p.). In organic terms, operating income increased by 5.6%, mainly as a result of increased handset sales in all business areas and the growth in service revenues.

The **share of income (loss) of investments** accounted for by the equity method for 2021 was a loss of 127 million euros, compared to income of 2 million euros in 2020.

Net financial expense amounted to 1,364 million euros in 2021, improving by 194 million euros compared to 2020 due to the reduction of debt in European currencies (despite the increase in interest rates in Brazil and higher level of debt denominated in Brazilian reals) as well as other non-recurrent positive effects.

Corporate income tax amounted to 1,378 million euros in 2021, increasing from 2020 (626 million euros) due mainly to the accounting effect of the tax assessments resulting from the tax inspection in Spain, a decrease in deferred tax assets in Spain due to the restatement of their recoverability, provision in Peru due to unfavorable ruling by the Supreme Court and adjustments for tax rates changes. The increase was partially offset by the provision recorded in Spain in connection with the Individual Suspension Plan and non-taxable interests in Brazil. A substantial portion of the capital gains obtained in 2021 were exempt from corporate tax.

As a result, **profit for the year attributable to equity holders of the parent** for 2021 was 8,137 million euros (1,582 million euros in 2020).

Profit attributable to non-controlling interests was 2,580 million euros in 2021 (375 million euros in 2020) mainly as a result of profit attributable to non-controlling interests in Telxius, which completed the sale of the towers divisions in Europe and Latin America in 2021.

CapEx were 7,267 million euros in 2021, increasing 24.0% year on year in reported terms as a result of the spectrum purchase mainly in Telefónica Brazil (706 million euros), our former Telefónica United Kingdom segment (515 million euros in the first five months of 2021), Telefónica Spain (352 million euros) and Telefónica Chile (131 million euros). CapEx in 2020 was limited due to the COVID-19 pandemic.

OIBDA-CapEx was 14,716 million euros in 2021 compared to 7,637 million euros in 2020, increasing by 92.7% y-o-y in reported terms and decreasing by 4.4% in organic terms.

1.9.4. 2021/2020 Segment results

TELEFÓNICA SPAIN

The table below shows the evolution of accesses in Telefónica Spain over the past two years as of December 31 of such years:

ACCESSES

Thousands of accesses	2020	2021	%Reported YoY
Fixed telephony accesses ⁽¹⁾	8,731.0	8,376.3	(4.1%)
Broadband	5,961.9	5,874.9	(1.5%)
FTTH	4,614.1	4,847.6	5.1%
Mobile accesses	18,977.8	18,484.6	(2.6%)
Prepay	888.1	752.5	(15.3%)
Contract	15,383.7	15,210.7	(1.1%)
IoT	2,706.0	2,521.5	(6.8%)
Pay TV	3,934.5	3,716.4	(5.5%)
Retail Accesses	37,615.1	36,460.9	(3.1%)
Wholesale Accesses	3,689.5	3,674.3	(0.4%)
FTTH Wholesale Accesses	2,599.8	2,982.0	14.7%
Total Accesses	41,304.6	40,135.2	(2.8%)

⁽¹⁾ Includes "fixed wireless" and Voice over IP accesses.

During 2021, a new Fusion portfolio that includes several devices (including 5G smartphones of different brands, Smart TVs, Tablets and laptops, among others) was launched, allowing customers to choose the device that best suits their needs depending on the Fusion package contracted.

With this new Fusion portfolio, and the increase in the connection speed of its customers to up to 1Gbps, Telefónica Spain has taken a new step to respond to customer demands.

The investment in the 5G mobile network made it possible to achieve 81% of population coverage as of December 31, 2021, and has allowed customers to access, regardless of their location, all fiction and sports contents. Throughout 2022, Telefonica will continue to expand and strengthen coverage to reach more population, which expansion is expected to be boosted by the recent award to Telefónica of one block of 2x10 MHz in the 700MHz auction.

Additionally, in 2021, Telefónica has continued to improve its offer proposals to strengthen its relationship with customers and reach new segments, some of which are described below:

Movistar Prosegur Alarms: the joint venture of Prosegur and Telefónica, offers, since September 2020, intelligent recognition and system automation services. These new functionalities are based on the incorporation of artificial intelligence in the home

environment and are configured according to the specific needs of each user. As of December 31, 2021 the number of clients exceeded 350 thousand.

Movistar Health: an online telemedicine service, reached nearly 60 thousand customers at December 31, 2021, following its launching in October 2020.

Home Insurance: launch of home insurance with Telefónica Seguros, SANTALUCÍA and BBVA Allianz. The new insurance has several modalities in terms of the scope of coverage, and includes coverage of incidents such as water damage, fire, theft, legal protection, or handyman, among others. This new product can be contracted by anyone, whether they are Telefónica Spain customers or not.

Gaming: Telefónica Spain and Microsoft have signed a strategic partnership whereby Telefónica Spain will offer Xbox Game Pass Ultimate (a gaming subscription service from Xbox) to its Movistar Fusión and Contrato Solo Móvil customers, for 12.99 € per month and 20 GB of extra mobile data on a Telefónica Spain mobile line of their choice.

Movistar Música: a music streaming service with more than 50 million songs in its catalogue, without ads and including exclusive content of the artists. The service was first piloted in Latin America and comes with several subscription options. The streaming service is

available both as a mobile and tablet app and also available on the Movistar Home device.

Movistar Money: the consumer loan service for Telefónica Spain customers, already used by more than 3 million customers, updated its conditions, by incorporating new features, such as the possibility of requesting up to 5,000 euros (1,000 euros more) and the incorporation of payment protection insurance in the event of an unforeseen event

Telefónica Spain had 40.1 million **accesses** as of December 31, 2021, a decline of 2.8% as compared to December 31, 2020, partly driven by a commercial policy focused on generating value and promoting higher market rationalization by reducing promotional activity, which had an impact on commercial activity.

The convergent offer (residential and SMEs) had a customer base of 4.6 million customers as of December 31, 2021, a decrease of 3.6% y-o-y.

Retail fixed accesses totaled 8.4 million and decreased 4.1% as compared to December 31, 2020, with a net loss of 355 thousand accesses in 2021.

Retail broadband accesses totaled 5.9 million (-1.5% y-o-y), with a net loss of 87 thousand accesses during 2021.

Retail fiber (FTTH) accesses reached 4.8 million customers (+5.1% as compared to December 31, 2020), representing 82.5% of total retail broadband customers (+5.1 p.p. y-o-y) with net adds of 234 thousand accesses in 2021. At December 31, 2021, fiber deployment reached 26.9 million premises, 1.7 million more than at December 31, 2020.

Total retail **mobile accesses** stood at 18.5 million as of December 31, 2021, a decrease of 2.6% as compared to December 31, 2020 as a result of a decrease in both mobile contract accesses (-1.1% y-o-y) and prepay accesses (-15.3% y-o-y).

Pay TV accesses reached 3.7 million at December 31, 2021, decreasing 5.5% year-on-year.

Wholesale accesses stood at 3.7 million at December 31, 2021, down 0.4% year-on-year, although wholesale fiber (FTTH) accesses (81.2% of total wholesale accesses at December 31, 2021 compared with 70.5% at December 31, 2020) were up 14.7% year-on-year.

The table below shows Telefónica Spain's results over the past two years:

Millions of euros					
TELEFÓNICA SPAIN (1)	2020	2021	% Reported YoY	% Organic YoY (2)	
Revenues	12,401	12,417	0.1%	0.1%	
Mobile handset revenues	264	400	51.3%	51.3%	
Revenues ex-mobile handset sales	12,137	12,017	(1.0%)	(1.0%)	
Retail	9,906	9,699	(2.1%)	(2.1%)	
Wholesale and Other	2,231	2,318	3.9%	3.9%	
Other income	540	664	23.1%	23.1%	
Supplies	(4,210)	(4,636)	10.1%	10.1%	
Personnel expenses	(1,748)	(3,201)	83.1%	3.9%	
Other expenses	(1,937)	(1,867)	(3.6%)	(4.4%)	
OIBDA	5,046	3,377	(33.1%)	(5.3%)	
Depreciation and amortization	(2,184)	(2,153)	(1.4%)	(1.4%)	
Amortization of intangible assets, depreciation of property, plant and equipment	(1,892)	(1,807)	(4.5%)	(4.5%)	
Amortization of rights of use	(292)	(346)	18.6%	18.6%	
Operating income (OI)	2,862	1,224	(57.2%)	(8.3%)	
CapEx	1,408	1,815	28.9%	3.9%	
OIBDA-CapEx	3,638	1,562	(57.1%)	(8.9%)	

Notes:

(1) See adjustments made to calculate organic variations below.

Adjustments made to calculate organic variations

As explained above, year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis.

With respect to Telefónica Spain, we have made the following adjustments in order to calculate 2021/2020 variations in organic terms:

Optimization of the distribution network: organic variations exclude the impact of the provisions recorded in Telefónica Spain totaling 44 million euros in 2021 in connection with the restructuring of the distribution channels (29 million euros in 2020).

Restructuring costs: we have excluded the impact of (i) in 2021, restructuring costs totaling 1,382 million euros that were mainly related to the Individual Suspension Plan; and (ii) in 2020 2 million euros due to the reversal of a provision recorded in 2019 in connection with restructuring costs.

Spectrum acquisition: we have excluded the impact of spectrum acquisitions from CapEx, which totaled 352 million euros in 2021. During 2020, no spectrum acquisitions were made.

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance with the adjustments referred to above) of certain line items of the income statement and other measures, and the contribution of each item for which we have adjusted to our reported growth:

TELEFÓNICA SPAIN 2021	YoY variation		Contribution to reported growth (percentage points)		
	% Reported YoY	% Organic YoY	Optimization Distribution Network	Restructuring costs	Spectrum acquisition
Revenues	0.1%	0.1%	—	—	—
Other income	23.1%	23.1%	—	—	—
Supplies	10.1%	10.1%	—	—	—
Personnel expenses	83.1%	3.9%	—	79.2	—
Other expenses	(3.6%)	(4.4%)	0.7	—	—
OIBDA	(33.1%)	(5.3%)	(0.3)	(27.4)	—
Depreciation and amortization	(1.4%)	(1.4%)	—	—	—
Operating income (OI)	(57.2%)	(8.3%)	(0.5)	(48.4)	—
CapEx	28.9%	3.9%	—	—	25.0
OIBDA-CapEx	(57.1%)	(8.9%)	(0.4)	(38.0)	(9.7)

Analysis of results

Revenues in 2021 amounted to 12,417 million euros, growing 0.1% y-o-y in reported terms. This stable trend was supported by handset revenues due to the launching of the new Fusion portfolio, as the new portfolio includes several devices as part of the packages (including 5G smartphones of different brands, Smart TVs, tablets and laptops, among others). The evolution of revenues excluding mobile handset sales is described below:

Retail revenues totaled 9,699 million euros in 2021, decreasing by 2.1% year-on-year in reported terms, due in part to the customer base decline and convergent customer value mix erosion (mainly due to the worsening of economic conditions as a result of the COVID-19 pandemic), partially offset by higher IT revenues due to the higher demand for digitalization projects in the B2B segment.

Wholesale and other revenues totaled 2,318 million euros in 2021, increasing by 3.9% year-on-year in reported terms, due, among others, to a recovery in roaming-in revenues.

OIBDA reached 3,377 million euros in 2021, a year-on-year decrease of 33.1% in reported terms and 5.3% year-on-year in organic terms.

Depreciation and amortization amounted to 2,153 million euros in 2021, decreasing by 1.4% year-on-year in both reported and organic terms, mainly as a result of an acceleration of the decommissioning of central offices and the change in the depreciation period of radio-links.

Operating income amounted to 1,224 million euros in 2021, a year-on-year decrease of 57.2% in reported terms. The year-on-year decrease was mainly driven by the restructuring costs provision (-48.4 p.p.) in 2021. In organic terms, operating income showed a decrease of 8.3% year-on-year, mainly as a result of the lower service revenues and the impact of the higher energy costs for most of the year.

TELEFÓNICA UNITED KINGDOM

Our former Telefónica United Kingdom segment was replaced by our new VMED O2 UK segment on June 1, 2021, upon the establishment of JV VMED O2 UK, the joint venture between Telefónica and Liberty Global. Since it is not practicable to restate the Group's historical segment financial information to reflect this change, the 2021-2020 period-on-period discussions included below focus on the results of our former Telefónica United Kingdom segment (which, for purposes of 2021, consists of the results obtained in the first five months of the year, until the establishment of JV VMED O2 UK and the elimination of this segment).

For additional information, see "Note 2. Basis of presentation of the consolidated financial statements. Agreement between Telefónica and Liberty Global plc to combine their operating businesses in the UK".

This section does not discuss the evolution of Telefónica United Kingdom's accesses in 2020 and 2021. Accesses of JV VMED O2 UK as of December 31, 2021 are shown in the next section: "VMED O2 UK".

The table below shows the evolution of Telefónica United Kingdom's results over the past two years:

Millions of euros					
TELEFÓNICA UNITED KINGDOM	2020	2021	% Reported YoY	% Organic YoY (1)	
Revenues	6,708	2,628	(60.8%)	(7.0%)	
Mobile Business	6,476	2,532	(60.9%)	(7.2%)	
Handset revenues	1,816	642	(64.7%)	(9.8%)	
Fixed Business	232	96	(58.9%)	(1.2%)	
Other income	178	73	(59.1%)	(1.9%)	
Supplies	(2,456)	(910)	(62.9%)	(9.3%)	
Personnel expenses	(459)	(205)	(55.4%)	4.9%	
Other expenses	(1,907)	(667)	(65.0%)	(23.2%)	
OIBDA	2,064	919	(55.5%)	10.0%	
Depreciation and amortization	(389)	—	(99.9%)	(1.1%)	
Amortization of intangible assets, depreciation of property, plant and equipment	(322)	—	(99.9%)	(1.5%)	
Amortization of rights of use	(67)	—	(100.0%)	1.2%	
Operating income (OI)	1,675	919	(45.1%)	26.2%	
CapEx	913	933	2.2%	24.1%	
OIBDA-CapEx	1,151	(14)	c.s.	c.s.	

Notes:

(2) See adjustments made to calculate organic variations below.

Adjustments made to calculate organic variations

As explained above, year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis.

With respect to Telefónica United Kingdom, we have made the following adjustments in order to calculate 2021/2020 variations in organic terms:

Foreign exchange rate effect: we have excluded the impact of changes in exchange rates by assuming constant average foreign exchange rates year-on-year. In particular, we have used the average foreign exchange rate from January to May 2020 for both years.

Changes in the scope of consolidation: we have excluded the impact of the deconsolidation of the entities that comprised our former Telefónica United Kingdom segment since June 1, 2021. To make amounts comparable, in 2020 we have excluded the results of the entities that comprised our former Telefónica United Kingdom segment for the period from June 1 to December 31, 2020.

Spectrum acquisitions: we have excluded the impact of spectrum acquisitions on CapEx in the first five months of 2021, amounting to 515 million euros. In 2020, there were no spectrum acquisitions.

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance with the adjustments referred to above) of certain line items of the income statement and other measures, and the contribution of each item for which we have adjusted to our reported growth:

TELEFÓNICA UNITED KINGDOM 2021	YoY variation		Contribution to reported growth (percentage points)		
	% Reported YoY	% Organic YoY	Exchange rate effect	Perimeter changes	Spectrum acquisition
Revenues	(60.8%)	(7.0%)	(0.0)	(57.8)	—
Other income	(59.1%)	(1.9%)	(0.0)	(58.2)	—
Supplies	(62.9%)	(9.3%)	(0.0)	(59.1)	—
Personnel expenses	(55.4%)	4.9%	—	(57.4)	—
Other expenses	(65.0%)	(23.2%)	(0.0)	(54.5)	—
OIBDA	(55.5%)	10.0%	(0.0)	(59.5)	—
Depreciation and amortization	(99.9%)	(1.1%)	—	(98.5)	—
Operating income (OI)	(45.1%)	26.2%	(0.1)	(50.4)	—
CapEx	2.2%	24.1%	(0.1)	(63.1)	56.5
OIBDA-CapEx	(100.0%)	0.5%	0.0	(56.6)	(44.8)

Analysis of results

Total revenues in 2021 amounted to 2,628 million euros, decreasing by 60.8% year-on-year in reported terms due to the change in the scope of consolidation (-57.8 p.p.) Excluding this impact, total revenues decreased by 7.0% driven by the new lockdown in the United Kingdom (from January to April 2021) and the change in the distribution model as a consequence of the end of the contract with Dixons Carphone in March 31, 2020, which resulted in changes in the mobile revenues allocation.

Mobile business revenues reached 2,532 million euros in 2021, decreasing by 60.9% in reported terms due to the change in the scope of consolidation (-57.8 p.p.). Excluding this impact, mobile business revenues decreased by 7.2% as a result of the lower handset sales due the new lockdown in the United Kingdom, which resulted in the closing of commercial shops in the first half of 2021, lower roaming revenues due to the travel-related restrictions implemented in connection with the COVID-19 pandemic and the change in the distribution model as a consequence of the end of the contract with Dixons Carphone in March 31, 2020.

OIBDA totaled 919 million euros in 2021, decreasing by 55.5% in reported terms. In organic terms, OIBDA increased +10.0% year-on-year.

Operating income amounted to 919 million euros in 2021, decreasing 45.1% in reported terms, due to the impact of the change in the scope of consolidation (-50.4 p.p.) and, to a much lesser extent, the exchange rate effect (-0.1 p.p.). Excluding these impacts, the operating income year-on-year increased 26.2% thanks to a strict control of costs, as well as the positive impact of the change in the distribution model on expenses, which resulted in a decrease in the commissions paid by Telefónica United Kingdom.

VMED O2 UK

After receiving the final approval from the Competition & Markets Authority (CMA), the joint venture between Liberty Global and Telefónica was established on June 1, 2021, and our former Telefónica United Kingdom segment was replaced by our new VMED O2 UK segment. In addition, Telefónica ceased to fully consolidate the results of the entities that comprised our former Telefónica United Kingdom segment in its consolidated financial statements and started to account for the JV VMED O2 UK results under the equity method. Therefore, since June 1, 2021, for purposes of the Group's consolidated results, the results of JV VMED O2 UK are reflected under a single heading of the consolidated income statement, "Share of income of investments accounted for by the equity method". However, the VMED O2 UK segment information included below is presented under management criteria, and shows 100% of the VMED O2 UK results. The VMED O2 UK segment information included below refers to the period from June 1 to December 31, 2021. For additional information, see "Note 2. Basis of presentation of the consolidated financial statements. Agreement between Telefónica and Liberty Global plc to combine their operating businesses in the UK".

In its first seven months of activity, JV VMED O2 UK maintained its commercial focus, resulting in a solid operating performance.

In October, JV VMED O2 UK launched its first consumer and SoHo (Small office/Home office) converged product called "Volt", for new and existing customers, taking

advantage of its joint capabilities by combining the power of Virgin Media's gigabit broadband with O2's mobile network for the first time.

JV VMED O2 UK continues to invest in the future and remains committed to its mission to upgrade United Kingdom connectivity: it reached 15.6 million premises in its gigabit roll-out and remains on-track for completion of the gigabit upgrade to give it the largest and fastest broadband network in the UK and continued the velocity gigabit upgrade.

Project Lightning (a fixed network expansion project launched in 2015) covered 336 thousand premises in 2021, taking the cumulative build to 2.7 million. Additionally, JV VMED O2 UK continued network expansion and 5G coverage, which is live in 300 towns and cities, and confirmed its coverage target of 50% of the UK population in 2023.

In line with its commitment to realizing the benefits of digitization, JV VMED O2 UK also launched new AI technology to improve customer experiences in stores, created the first ever National Databank in the UK, providing free mobile data to tackle data poverty, and launched the free online Net Zero Hub to help small businesses reach net zero emissions.

The table below shows, as of December 31, 2021, the accesses of JV VMED O2 UK and, as of December 31, 2020, the aggregated accesses of our former Telefónica United Kingdom segment and Virgin Media:

ACCESES

Thousands of accesses	2020	2021	%Reported YoY
Broadband ⁽²⁾	5,449.5	5,626.7	3.3%
UBB	5,420.3	5,596.8	3.3%
Mobile accesses ⁽³⁾	30,336.6	32,276.8	6.4%
Prepay	8,251.8	8,119.1	(1.6%)
Contract	15,594.2	15,938.1	2.2%
IoT	6,490.6	8,219.7	26.6%
Retail Accesses	44,067.7	46,021.1	4.4%
Wholesale Accesses	9,210.9	9,966.6	8.2%
Total Accesses	53,278.6	55,987.8	5.1%

The **total accesses base** grew 5.1% year-on-year and stood at 56.0 million at December 31, 2021, mainly driven by a 6.4% increase in the mobile accesses base, which reached 32.3 million.

The **contract mobile customer base** grew 2.2% year-on-year and reached 15.9 million accesses adding 344 thousand new accesses to the base as a result of the increasing normalization of commercial activity as COVID-19 restrictions progressively eased.

The **prepay mobile customer base** decreased 1.6% year-on-year and reached 8.1 million accesses losing 133 thousand accesses in 2021.

The **IoT mobile customer base** grew 26.6% year-on-year and reached 8.2 million accesses as the Smart Metering Programme (one of the largest IoT projects in the world) roll out regained pace.

Fixed broadband base grew 3.3% year-on-year and reached 5.6 million accesses adding 177 thousand new accesses to the base in 2021 reflecting continued demand for faster broadband speeds. The table below shows VMED O2 UK's results from June 1 to December 31, 2021:

June 1 to December 31, 2021	
Million euros	VMED O2 UK
Revenues	7,223
Other operating income	290
Operating expenses	(5,063)
OIBDA	2,450
Amortizations	(2,395)
Operating income	55
Financial income	27
Financial expenses	(504)
Exchanges differences	122
Result before taxation	(300)
Taxes	65
Result for the period	(235)
50% attributable to Telefónica Group	(117)
Share-based compensation	14
Share of (loss) income of investments accounted for by the equity method	(103)

Analysis of results

Total **revenues** amounted to 7,223 million euros for the period from June 1 to December 31, 2021, reflecting the combination of the fixed and mobile products and services brought together for United Kingdom customers by Telefónica United Kingdom and Virgin Media.

OIBDA totaled 2,450 million euros for the period from June 1 to December 31, 2021 and was adversely impacted by the restructuring and other integration costs.

Depreciation and amortization totaled 2,395 million euros for the period from June 1 to December 31, 2021.

Operating income totaled 55 million euros for the period from June 1 to December 31, 2021.

TELEFÓNICA GERMANY

The table below shows the evolution of accesses in Telefónica Germany over the past two years as of December 31 of such years:

ACCESSES

Thousands of accesses	2020	2021	%Reported YoY
Fixed telephony accesses ⁽¹⁾	2,180.2	2,179.6	0.0%
Broadband ⁽²⁾	2,261.1	2,262.3	0.1%
UBB	1,797.8	1,856.8	3.3%
Mobile accesses ⁽³⁾	44,274.8	45,693.6	3.2%
Prepay	19,283.3	18,973.0	(1.6%)
Contract	23,581.3	25,107.8	6.5%
IoT ⁽⁴⁾	1,410.1	1,612.8	14.4%
Retail Accesses	48,804.7	50,219.3	2.9%
Total Accesses	48,804.7	50,219.3	2.9%

Notes:

⁽¹⁾ Includes "fixed wireless" and Voice over IP accesses.

In 2021, Telefónica Germany benefited from strong commercial traction on the back of ongoing core business momentum and high customer demand for the O2 Free portfolio. This commercial momentum was leveraged on network parity as evidenced by the reconfirmation of Telefonica Germany's 'very good' rating in the most relevant network test of "Connect magazine" and historic low levels of churn. As a result, Telefonica Germany delivered good financial momentum throughout 2021, posting the highest levels of revenues and OIBDA in the company's history.

Telefónica Germany's key milestones in 2021 were as follows:

In May 2021, the company and 1&1 agreed upon the long-term stipulations of their future cooperation in a National Roaming Agreement (NRA). As part of this, certain ongoing price reviews initiated by 1&1 will no longer be pursued, and Telefónica Germany has secured valuable long-term revenue streams.

The 5G network reached 30% of the German population with all available 5G frequencies at the end of 2021.

At the same time, the company completed its 3G switch-off in 2021 and improved the energy efficiency ratio of its O2 network by 78% compared to 2015 based on its energy consumption per data volume (GWh/PB).

The **total access base** grew 2.9% year-on-year and stood at 50.2 million at December 31, 2021, mainly driven by a 3.2% increase in the mobile accesses base, which reached 45.7 million.

The **contract mobile customer base** grew 6.5% year-on-year and reached 25.1 million accesses, increasing the share over the total mobile accesses base to 54.9%. Net adds reached 1.5 million accesses, driven by the sustained customer demand for the O2 Free portfolio and a solid contribution from partner brands. Churn remained at a historic low.

The **prepay mobile customer base** decreased 1.6% year-on-year to 19.0 million accesses. Reflecting the unchanged market trend of prepaid to postpaid migration, the prepay segment posted a net loss of 310 thousand customers in 2021.

The **broadband accesses** reached 2.3 million accesses (up 0.1% y-o-y), with a net add of 1.2 thousand accesses in 2021, in a market focused on high-speed fixed connectivity.

The table below shows the evolution of Telefónica Germany's results over the past two years:

Millions of euros		2020	2021	% Reported YoY	% Organic YoY (1)
TELEFÓNICA GERMANY					
Revenues	7,532	7,765		3.1%	3.1%
Mobile Business	6,730	6,942		3.2%	3.2%
Handset revenues	1,423	1,450		1.9%	1.9%
Fixed Business	785	814		3.6%	3.6%
Other income	136	140		3.0%	5.8%
Supplies	(2,435)	(2,403)		(1.3%)	(1.3%)
Personnel expenses	(611)	(585)		(4.2%)	(1.0%)
Other expenses	(2,313)	(2,493)		7.8%	8.0%
OIBDA	2,309	2,424		5.0%	4.0%
Depreciation and amortization	(2,394)	(2,394)		0.0%	0.0%
Amortization of intangible assets, depreciation of property, plant and equipment	(1,862)	(1,809)		(2.8%)	(2.8%)
Amortization of rights of use	(532)	(585)		10.1%	10.1%
Operating income (loss)	(85)	30		c.s.	c.s.
CapEx	1,094	1,284		17.3%	17.3%
OIBDA-CapEx	1,215	1,140		(6.1)	(7.5%)

Notes:

(1) See adjustments made to calculate organic variations below.

Adjustments made to calculate organic variations

As explained above, year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis.

With respect to Telefónica Germany, we have made the following adjustments in order to calculate 2021/2020 variations in organic terms:

Restructuring costs: we have excluded the impact of restructuring costs associated with simplification processes implemented in Telefónica Germany. Restructuring costs totaled 22 million euros and 37 million euros in 2021 and 2020, respectively.

Spectrum sales: the organic variations exclude the gains on spectrum sales in 2020 (-5 million euros in OIBDA).

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance with the adjustments referred to above) of certain line items of the income statement and other measures and the contribution of each item for which we have adjusted to our reported growth:

TELEFÓNICA GERMANY 2021	YoY variation		Contribution to reported growth (percentage points)	
	% Reported YoY	% Organic YoY	Restructuring costs	Spectrum sale
Revenues	3.1%	3.1%	—	—
Other income	3.0%	5.8%	—	(2.6)
Supplies	(1.3%)	(1.3%)	—	—
Personnel expenses	(4.2%)	(1.0%)	(3.3)	—
Other expenses	7.8%	8.0%	0.2	(0.4)
OIBDA	5.0%	4.0%	0.7	0.2
Depreciation and amortization	0.0%	0.0%	—	—
Operating loss	(135.8%)	(135.8%)	(18.0)	(6.4)
CapEx	17.3%	17.3%	—	—
OIBDA-CapEx	(6.1)	(7.5%)	1.3	0.4

Analysis of results

Total revenues were 7,765 million euros in 2021, with a year-on-year increase of 3.1%, driven by the increase in revenues in both the mobile business and the fixed business.

Mobile business revenues totaled 6,942 million euros, increasing 3.2% y-o-y in reported terms. This positive trend reflects strong trading momentum and the success of the O2 brand.

Handset revenues amounted to 1,450 million euros, increasing 1.9% y-o-y in reported terms due to the continued strong demand for high value handsets.

Fixed business revenues were 814 million euros, increasing by 3.6% y-o-y in reported terms due to the particularly strong customer base growth and higher share of VDSL customers.

Mobile ARPU was 10.0 euros (1.1% y-o-y) due to the 4.0% y-o-y increase in prepay ARPU, while contract ARPU decreased by 1.3% y-o-y. Data ARPU was 6.1 euros (+3.6% y-o-y), fueled by the successful O2 Free portfolio.

TELEFÓNICA GERMANY	2020	2021	% Reported YoY
ARPU (EUR)	9.9	10.0	1.1%
Prepay	6.1	6.3	4.0%
Contract ⁽¹⁾	13.6	13.5	(1.3%)
Data ARPU (EUR)	5.9	6.1	3.6%

⁽¹⁾ Excludes IoT.

OIBDA totaled 2,424 million euros in 2021, growing by 5.0% y-o-y in reported terms. In organic terms, OIBDA increased by 4.0% year-on-year.

switch-off, further network modernization and higher rights of use asset amortization.

Depreciation and amortization amounted to 2,394 million euros in 2021, staying flat (0.0%) year-on-year as the positive effect from the end of the useful life of the UMTS (Universal Mobile Telephone System) licenses in 2020 was offset by the completion in 2021 of the 3G

Operating income totaled 30 million euros in 2021, compared to an operating loss of 85 million euros in 2020. In organic terms, the year-on-year comparison was positively impacted by the improvement in revenues and the continued measures in cost management and generation of efficiencies.

TELEFÓNICA BRAZIL

The table below shows the evolution of accesses in Telefónica Brazil over the past two years as of December 31 of such years:

ACCESSES

Thousands of accesses	2020	2021	%Reported YoY
Fixed telephony accesses ⁽¹⁾	8,994.8	7,506.5	(16.5%)
Broadband ⁽²⁾	6,315.0	6,262.0	(0.8%)
UBB	5,084.2	5,535.3	8.9%
FTTH	3,377.7	4,608.7	36.4%
Mobile accesses ⁽³⁾	78,523.7	83,912.3	6.9%
Prepay	33,662.5	34,287.3	1.9%
Contract	34,418.2	37,166.7	8.0%
IoT	10,443.0	12,458.3	19.3%
Pay TV	1,247.7	1,114.8	(10.6%)
IPTV	890.8	916.8	2.9%
Retail Accesses	95,145.0	98,853.2	3.9%
Total Accesses	95,157.9	98,854.2	3.9%

Notes:

⁽¹⁾ Includes "fixed wireless" and Voice over IP accesses.

In 2021, Telefónica Brazil maintained its leadership in the higher mobile value segments (37.0% market share as of December 31, 2021, source: ANATEL), which has allowed the operator to grow mobile service revenues (in local currency) and mitigate the impact of the COVID-19 pandemic restrictions. In the fixed business, Telefónica Brazil continued to focus on the implementation of strategic technologies, such as fiber, which allows capturing valuable customers, also providing access to IPTV (Internet Protocol TV) which encourages the demand for convergent offers, partially compensating the fall in the fixed traditional business since September.

Telefónica Brazil reached 98.9 million **accesses** as of December 2021, 3.9% higher than December, 2020 due to the sustained growth in the mobile business, both postpaid and prepaid, FTTH and, to a lesser extent IPTV, which offset the decline in the fixed voice business due to the continuous migration from fixed to mobile, encouraged by unlimited voice offers in the market, the contraction of the lower-value fixed broadband customer base; and the loss of DTH customers as a result of the company's strategic decision to discontinue legacy technologies.

In the **mobile business**, Telefónica Brazil maintained its leadership in terms of total accesses, with an access market share of 33.1% as of December 31, 2021 (source: ANATEL) growing both in terms of contract customers (+8.0% year-on-year) and prepaid customers (+1.9% year-on-year). Telefónica Brazil's strategy continues to be focused on strengthening the high-value customer base, reaching a 37.0% contract market share as of December 31, 2021 (source: ANATEL). Contract commercial offers

are focused on Vivo SELFIE and have data plans, with extra data allowances subject to subscription to digital invoicing and a 10 GB portability bonus for one year. In addition, customers may access the OTT services of their choice (for example, Disney+, Netflix, Spotify, Globoparal, Amazon Prime and Premiere, among others). The Vivo Travel roaming service for voice and data is maintained in a selection of countries of America and Europe, and the rest of the world, depending on the plan. For higher-value customers, Family plans have a greater number of available apps and include one to four free extra members depending on the contracted plan. Additionally, they have Vivo Easy, with flexible plans ranging from 1GB to 100GB and allowing customers to tailor their plans according to their needs. WhatsApp and unlimited calls and SMS are included. In the prepaid segment, Telefónica Brazil offers VIVO PreTurbo, which includes WhatsApp and unlimited minutes and allows customers to share data with friends. All of this is supported by the interaction with our customers through the AURA virtual assistant in the Meu VIVO application, transforming the service channels to improve the user experience.

Fixed telephony accesses decreased 16.5% year-on-year due to fixed-mobile substitution.

In the **broadband business**, Telefónica Brazil maintained its strategic focus on the deployment of fiber, reaching 27.5 million real estate units passed with FTTx access as of December 31, 2021, of which 19.6 million correspond to FTTH. Additionally, it continued to develop alternative deployment models to accelerate the expansion of fiber with lower CapEx and a reduced time to market. Telefónica Brazil exceeded 5.5 million connected homes

with FTTx, of which 4.6 million homes connected with FTTH as of December 31, 2021, increasing 8.9% and 36.4% year-on-year respectively. This growth offset in part the drop in other broadband accesses, such as ADSL, placing retail broadband accesses at 6.3 million as of December 31, 2021, decreasing by 0.8% year-on-year.

Pay TV customers stood at 1.1 million as of December 31, 2021, decreasing 10.6% year-on-year due to a more

selective commercial activity based on value acquisition and the strategic decision to discontinue the DTH service, whose customer base decreased 44.5% year-on-year. This base contraction was partially offset by the 2.9% growth in IPTV accesses. IPTV clients represented 82.2% of the total Pay TV accesses as of December 31, 2021.

The table below shows the evolution of Telefónica Brazil's results over the past two years:

Millions of euros

TELEFÓNICA BRAZIL	2020	2021	% Reported YoY	% Organic YoY (1)
Revenues	7,422	6,910	(6.9%)	2.1%
Mobile Business	4,891	4,610	(5.7%)	3.4%
Handset revenues	426	415	(2.5%)	6.9%
Fixed Business	2,531	2,300	(9.1%)	(0.3%)
Other income	325	474	45.5%	29.2%
Supplies	(1,252)	(1,216)	(2.9%)	6.5%
Personnel expenses	(792)	(799)	0.9%	10.6%
Other expenses	(2,515)	(2,231)	(11.3%)	1.1%
OIBDA	3,188	3,138	(1.6%)	1.8%
Depreciation and amortization	(1,965)	(1,918)	(2.4%)	7.0%
Amortization of intangible assets, depreciation of property, plant and equipment	(1,581)	(1,488)	(5.9%)	3.2%
Amortization of rights of use	(384)	(430)	11.9%	22.7%
Operating income (OI)	1,223	1,220	(0.2%)	(6.6%)
CapEx	1,372	2,069	50.8%	11.5%
OIBDA-CapEx	1,816	1,069	(41.1%)	(5.3%)

Notes:

- Mobile revenues have been split to highlight handset revenues, which is a more specific and volatile component, while keeping the rest of mobile business revenues together in an overall figure that includes retail mobile revenues, wholesale mobile revenues, value added services, etc.

(1) See adjustments made to calculate organic variations below.

Adjustments made to calculate organic variations

As explained above, year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis.

With respect to Telefónica Brazil, we have made the following adjustments in order to calculate 2021/2020 variations in organic terms:

Foreign exchange rate effect: we have excluded the impact of changes in exchange rates by assuming constant average foreign exchange rates year-on-year. In particular, we have used the average foreign exchange rate of 2020 for both years.

Judicial decision PIS/COFINS: we have excluded the positive impact of the judicial decisions of the Brazilian Supreme Court recognizing the right to deduct the state tax on goods and services (ICMS) from the calculation of the basis of the Social Integration Program-PIS (Programa de Integração

Social) and the Financing of Social Security- COFINS (Contribuição para Financiamento da Seguridade Social) amounting to 243 million euros with an impact on OIBDA.

Contingencies: we excluded the impact of the provision of certain contingencies in Telefónica Brazil amounting to 154 million euros with a negative impact on OIBDA.

Spectrum acquisition: we have excluded the impact of spectrum acquisitions on CapEx, amounting to 706 million euros in 2021 (32 million euros in 2020).

Gains or losses on the sale of companies: the gain resulting from the establishment of FiBrasil of 90 million euros was excluded to calculate organic variations.

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance with the adjustments referred to above) of certain line items of the income statement and other measures, and the contribution of each item for which we have adjusted to our reported growth:

TELEFÓNICA BRAZIL 2021	YoY variation		Contribution to reported growth (percentage points)					
	% Reported YoY	% Organic YoY	Exchange rate effect	Judicial decision PIS/ COFINS			Spectrum acquisition	Capital gains/losses on sale of companies
				Contingencies				
Revenues	(6.9%)	2.1%	(9.0)	—	—	—	—	—
Other income	45.5%	29.2%	(11.4)	—	—	—	—	27.7
Supplies	(2.9%)	6.5%	(9.4)	—	—	—	—	—
Personnel expenses	0.9%	10.6%	(9.7)	—	—	—	—	—
Other expenses	(11.3%)	1.1%	(8.6)	(10.6)	6.7	—	—	—
OIBDA	(1.6%)	1.8%	(9.2)	8.4	(5.3)	—	—	2.8
Depreciation and amortization	(2.4%)	7.0%	(9.4)	—	—	—	—	—
Operating income (OI)	(0.2%)	(6.6%)	(8.9)	21.8	(13.8)	—	7.4	
CapEx	50.8%	11.5%	(14.6)	—	—	54.1	—	—
OIBDA-CapEx	(41.1%)	(5.3%)	(5.2)	14.7	(9.3)	(40.9)	5.0	

Analysis of results

In 2021, revenues totaled 6,910 million euros, down 6.9% in reported terms, mainly due to the depreciation of the Brazilian real (impacting the evolution by -9.0 p.p.). In organic terms, the year-on-year growth was 2.1%, mainly due to service revenues driven by the mobile business and by businesses associated with new technologies (FTTH, IPTV and Digital Services) and the sale of handsets, which offset the erosion of revenues associated with voice and traditional accesses.

Mobile business revenues totaled 4,610 million euros in 2021, down 5.7% in reported terms due mainly to the depreciation of the Brazilian real (impacting the evolution by -9.1 p.p.). Excluding this impact, revenues from the mobile business increased by 3.4%. Service revenues grew 3.0% driven by growth in the customer base, and the greater weight of contract customers in the mix, whose consumption is oriented to the use of data and other services over connectivity. Handsets sales grew by 6.9% in organic terms, despite the temporary closing of stores due to the COVID-19

pandemic, an effect that was offset by higher sales in digital channels.

Fixed business revenues totaled 2,300 million euros in 2021, decreasing by 9.1% in reported terms due mainly to the impact of the depreciation of the Brazilian real (impacting the evolution by -8.8 p.p.). Excluding this effect, fixed telephony revenues decreased by 0.3% mainly as a result of the decrease of the voice traffic due to the mobile to fixed substitution. This decrease was partially offset by the increase in broadband revenues (+7.2% year-on-year in local currency), supported by the growth in fiber revenues, driven by the growth in the customer base.

Mobile ARPU decreased by 12.3% year-on-year in reported terms due mainly to the depreciation of the Brazilian real. In local currency, mobile ARPU decreased by 3.9% as a result of the fact that postpaid customer base growth was mainly in entry level rates; and due to the reduction in government aids that affected top ups.

TELEFÓNICA BRAZIL	2020	2021	% Reported YoY	% Local Currency YoY
ARPU (EUR)	4.7	4.2	(12.3%)	(3.9%)
Prepay	2.2	2.0	(12.2%)	(3.7%)
Contract ⁽¹⁾	8.4	7.4	(12.3%)	(3.8%)
Data ARPU (EUR)	3.7	3.1	(15.5%)	(6.6%)

⁽¹⁾ Excludes IoT.

OIBDA was 3,138 million euros in 2021, decreasing 1.6% in reported terms. In organic terms, OIBDA increased by 1.8% year-on-year.

Depreciation and amortization amounted to 1,918 million euros in 2021, decreasing 2.4% in reported terms affected by the depreciation of the Brazilian real (-9.4 p.p.). In organic terms, there was a +7.0% y-o-y increase due to higher investments.

Operating income amounted to 1,220 million euros in 2021, decreasing 0.2% in reported terms affected by the provision for contingencies (-13.8 p.p.) and the depreciation of the Brazilian real (-8.9 p.p.), partially offset by the positive impact of the judicial decisions of the Brazilian Supreme Court recognizing the right to deduct the state tax on goods and services (ICMS) from the calculation of the basis of the Social Integration Program-PIS (Programa de Integração Social) and the Financing of Social Security- COFINS (Contribuição para Financiamiento da Seguridade Social) (+21.8 p.p.) and the gain from the establishment of FiBrasil (+7.4 p.p.). In organic terms, operating income year-on-year decreased 6.6% due to the higher depreciation and amortization expense.

TELEFÓNICA HISPAM

The table below shows the evolution of accesses in Telefónica Hispam over the past two years as of December 31 of such years:

ACCESSES

Thousands of accesses	2020	2021	%Reported YoY
Fixed telephony accesses ⁽¹⁾	7,835.0	7,034.1	(10.2%)
Broadband	5,447.3	5,756.9	5.7%
UBB	3,695.0	4,432.2	20.0%
FTTH	3,417.6	4,259.0	24.6%
Mobile accesses	92,204.5	94,612.6	2.6%
Prepay	66,206.7	66,075.3	(0.2%)
Contract	22,000.2	23,799.6	8.2%
IoT	3,997.6	4,737.6	18.5%
Pay TV	2,856.8	2,905.3	1.7%
IPTV	577.7	913.2	58.1%
Retail Accesses	108,488.6	110,395.5	1.8%
Total Accesses	108,509.1	110,414.7	1.8%

Notes:

⁽¹⁾ Includes "fixed wireless" and Voice over IP accesses.

Telefónica Hispam's **total accesses** amounted to 110.4 million as of December 31, 2021 (+1.8% year-on-year), as a result of the increase in mobile and FTTH accesses.

Mobile accesses amounted to 94.6 million, increasing by 2.6% y-o-y mainly due to the higher post-pay customer base.

Contract accesses increased by 8.2% year-on-year due to the increase in accesses in Chile (+15.0%), Colombia (14.2%) and Peru (+13.7%), partially offset by the decrease in Venezuela (-8.9%). This strong evolution was mainly driven by the commercial activity recovery and the attractive commercial offers.

Prepay accesses decreased by 0.2% year-on-year, with a net loss of 131 thousand accesses at December 31, 2021. The year-on-year accesses evolution was greatly impacted by the loss of accesses in Mexico (-2.2 million accesses) as a result of the disconnection of accesses with no top-up activity and the 2G technology shutdown in Mexico, with no impact on revenues. In addition, accesses in Chile decreased by -355 thousand. The year-on-year decrease was partially offset by the increase in accesses in Colombia (+1.9 million accesses), Peru (+597 thousand accesses), Argentina (+533 thousand accesses) and Ecuador (+535 thousand accesses).

Fixed accesses stood at 7.0 million as of December 31, 2021 (-10.2% year-on-year) with a net loss of 801 thousand accesses due to the continued erosion of the traditional fixed business; however, accesses mix improved (higher weight of high value accesses, mainly broadband).

Fixed broadband accesses amounted to 5.8 million as of December 31, 2021 (+5.7% year-on-year). The penetration of FBB accesses over fixed accesses stood at 81.8% (+12.3 p.p. y-o-y), as a result of the focus on Ultra Broadband (UBB) deployment in the region reaching 4.4 million connected accesses (+20% y-o-y) and 14.5 million premises. The penetration of UBB accesses over fixed broadband accesses stood at 77.0% (+9.2 p.p. y-o-y).

Pay TV accesses stood at 2.9 million as of December 31, 2021, with an increase of +1.7% y-o-y as a result of the net adds of 48 thousand customers, mainly as a result of the increase in IPTV accesses (+336 thousand accesses), in which the Company is placing strategic focus, offset in part by the lower Direct-To-Home (DTH) technology accesses (-266 thousand accesses) due to the change in commercial strategy, and the lower cable access base (-21 thousand accesses).

The table below shows the evolution of Telefónica Hispam's results over the past two years:

Millions of euros					
TELEFÓNICA HISPAM	2020	2021	% Reported YoY	% Organic YoY (1)	
Revenues	7,922	8,362	5.5%	5.1%	
Mobile Business	5,070	5,444	7.4%	5.4%	
Handset revenues	1,111	1,398	25.8%	18.8%	
Fixed Business	2,836	2,907	2.5%	5.1%	
Other income	253	582	130.3%	(28.3%)	
Supplies	(2,466)	(2,856)	15.8%	15.0%	
Personnel expenses	(999)	(1,174)	17.6%	(4.5%)	
Other expenses	(3,720)	(3,196)	(14.1%)	(1.9%)	
OIBDA	990	1,718	73.5%	3.4%	
Depreciation and amortization	(2,274)	(1,873)	(17.6%)	(5.4%)	
Amortization of intangible assets, depreciation of property, plant and equipment	(1,826)	(1,451)	(20.5%)	(9.0%)	
Amortization of rights of use	(448)	(422)	(5.9%)	11.7%	
Operating loss	(1,284)	(155)	(87.9%)	(223.7%)	
CapEx	833	978	17.4%	5.2%	
OIBDA-CapEx	157	740	370.7%	2.0%	

Notes:

(1) See adjustments made to calculate organic variations below.

Adjustments made to calculate organic variations

As explained above, year-on-year percentage changes referred to in this document as "organic" or presented in "organic terms" intend to present year-on-year variations on a comparable basis.

With respect to Telefónica Hispam, we have made the following adjustments in order to calculate 2021/2020 variations in organic terms:

Foreign exchange rate effects: we have excluded the impact of changes in exchange rates (except for countries with hyperinflationary economies (Argentina and Venezuela)) by assuming constant average foreign exchange rates year-on-year (using average foreign exchange rates of 2020 for both years).

Reported variation of companies in hyperinflationary countries: in the organic variation, the y-o-y reported variation of the companies in countries with hyperinflationary economies (Argentina and Venezuela) is excluded. In reported terms, in 2021 the revenues of these companies increased by 327 million euros and their OIBDA and operating income decreased by 112 million euros and 107 million euros, respectively, compared to 2020.

Restructuring costs: we have excluded the impact of restructuring costs in 2021 and 2020 on OIBDA and

operating income, amounting to 174 million euros and 17 million euros, respectively.

Spectrum acquisition: in 2021, the impact of spectrum acquisition on CapEx has been excluded, amounting to 131 million euros in Chile. During 2020 no spectrum acquisitions were made.

Transformation of operating model of Telefónica Mexico: organic variations exclude the impact of the transformation of the operating model of Telefónica México (which means that the wireless access infrastructure will be turned off, and corresponding licensed spectrum will be released), following the AT&T agreement in 2019, which had a negative impact on depreciation and operating income, amounting to 88 million euros in 2021 (320 million euros in 2020).

Impairment of goodwill and other assets: in 2021 the impairment of the goodwill of Telefónica Perú has been excluded, amounting to 393 million euros. In 2020, the impairment of the goodwill and certain assets of Telefónica Argentina has been excluded amounting to 894 million euros (which consists of a 519 million euros goodwill impairment loss and impairment losses over non-current assets amounting to 375 million euros).

Changes in the consolidation perimeter: we have excluded from our consolidation perimeter the results of InfraCo, SpA from July 1 to December 31, 2020.

Gains or losses on the sale of companies: in 2021, the gain on the sale of 60% of the shares in InfraCo, SpA in Chile amounting to 409 million euros has been excluded from calculations of organic variations.

The table below shows 2021/2020 variations in reported and organic terms (the latter, calculated in accordance with the adjustments referred to above) of certain line items of the income statement and other measures, and the contribution of each item for which we have adjusted to our reported growth:

TELEFÓNICA HISPAM 2021	YoY variation		Contribution to reported growth (percentage points)								
	% Reported YoY	% Organic YoY	Exchange rate effect	Reported var. in hyperinflationary countries	Restructuring costs	Spectrum acquisition	Transformation T.Mexico	Impairment of goodwill and other assets	Perimeter changes	Fiber Chile	Capital gains/losses on sale of companies
Revenues	5.5%	5.1%	(3.9)	4.2	—	—	—	—	0.1	—	—
Other income	130.3%	(28.3%)	(2.6)	—	—	—	—	—	—	—	160.9
Supplies	15.8%	15.0%	(4.0)	4.7	—	—	—	—	—	—	—
Personnel expenses	17.6%	(4.5%)	(3.3)	9.2	16.2	—	—	—	—	—	—
Other expenses	(14.1%)	(1.9%)	(3.2)	3.1	—	—	—	(13.5)	0.8	—	—
OIBDA	73.5%	3.4%	(6.8)	0.5	(16.4)	—	—	50.6	(2.0)	—	41.1
Depreciation and amortization	(17.6%)	(5.4%)	(2.7)	(0.1)	—	—	(10.2)	—	—	—	—
Operating loss	(87.9%)	(223.7%)	0.4	(0.5)	12.6	—	(18.1)	(39.0)	1.5	—	(31.7)
CapEx	17.4%	5.2%	(3.6)	2.6	—	15.6	—	—	(2.8)	0.5	—
OIBDA-CapEx	370.7%	2.0%	(23.3)	(10.7)	(103.3)	(82.9)	—	318.6	2.5	(2.8)	258.8

Analysis of results

Revenues amounted to 8,362 million euros in 2021, increasing 5.5% year-on-year in reported terms. This increase was attributable in part to the reported variation of companies in hyperinflationary countries (+4.2 p.p.), offset in part by the foreign exchange effects (-3.9 p.p.). In organic terms, revenues increased by 5.1% year-on-year, mainly driven by revenues growth through handset sales, B2C (Business to Customer) and B2B (Business to Business) service revenues evolution, and broadband, new services and TV fixed revenues improvement.

Mobile business revenues amounted to 5,444 million euros in 2021, increasing 7.4% year-on-year in reported terms. This increase was due in part to the reported variation of companies in hyperinflationary countries (5.2 p.p.), offset in part by the foreign exchange effects (-3.2 p.p.). In organic terms, mobile business revenues increased by 5.4% year-on-year, mainly driven by revenues growth through handset sales as a result of commercial activity recovery and higher postpaid and prepaid revenues in B2C (Business to Customer). The performance by country was as follows:

In Chile, mobile revenues amounted to 1,002 million in 2021, increasing 8.1% year-on-year in reported terms. Excluding the impact of foreign exchange effects,

which reduced growth by 0.6 percentage points, mobile revenues increased by 7.5% year-on-year, mainly due to the higher handset revenues and mobile service and mobile broadband revenues growth recovery.

In Peru, mobile revenues amounted to 761 million euros in 2021, decreasing 0.4% year-on-year in reported terms, affected by the foreign exchange effects, which reduced growth by 15.2 percentage points. Excluding this impact, mobile revenues increased by 14.8% year-on-year, mainly driven by revenues recovery through handset sales, as a result of the higher commercial activity, and higher service revenues leveraged on a higher average revenue per client and favorable disconnections evolution.

In Colombia, mobile revenues amounted to 797 million euros in 2021, increasing 4.3% year-on-year in reported terms. Excluding the impact of the foreign exchange effects, which reduced growth by 5.7 percentage points, mobile revenues increased by 9.9% driven by the higher handset revenues, postpaid B2C (Business to Customer) revenues due to higher commercial activity and favorable churn evolution,

higher prepaid B2C (Business to Customer) revenues and interconnection mobile revenues.

In Mexico, mobile revenues amounted to 1,010 million euros in 2021, decreasing 2.2% year-on-year in reported terms despite the foreign exchange effects, which contributed +1.5 p.p. to the y-o-y evolution. Excluding this impact, mobile revenues decreased by 3.8% year-on-year, due to the lower interconnection tariffs, which adversely affected the wholesale business, the decrease in international traffic, and lower prepaid and B2B (Business to Business) commercial activity, partially offset by the positive postpaid revenues evolution.

Fixed business revenues amounted to 2,907 million euros in 2021, increasing 2.5% year-on-year in reported terms. This increase was due in part to the reported variation of companies in hyperinflationary countries (specifically, Argentina), which increased growth by 2.3 percentage points, offset in part by the foreign exchange effects, which decreased growth by 4.9 percentage points. Excluding these impacts, these revenues increased by 5.1%, driven by higher broadband and new services as well as TV revenues in Colombia, Chile and Peru, which offset the decline in accesses and voice revenues.

OIBDA reached 1,718 million euros in 2021, increasing 73.5% year-on-year in reported terms (+3.4% in organic terms).

Depreciation and amortization amounted to 1,873 million euros in 2021, decreasing 17.6% year-over-year in reported terms (-5.4% in organic terms). The decrease was mainly attributable to the lesser impact in 2021 than in 2020 of the accelerated amortization and depreciation resulting from the transformation of the operational model in the operator (-10.2 p.p.) and, to a lesser extent, the foreign exchange effects (-2.7 p.p.).

Operating loss was 155 million euros in 2021 (compared to a loss of 1,284 million euros in 2020). The decrease in the operating loss was the result, in part, of the impairment losses recorded in Telefónica Argentina in 2020 (which exceeded the amount of the impairment in Telefónica Peru in 2021), the capital gain on the sale of 60% of the shares in InfraCo, SpA in 2021, and the lesser impact of the accelerated amortization in Telefónica México in 2021 (compared to 2020) resulting from the transformation of the operational model in the operator, partially offset by the higher restructuring costs in the region in 2021. In organic terms, the year-on-year change was positively affected by increases in revenues and OIBDA and the lower depreciation and amortization expense.

Below is additional information by country:

In Chile, operating income was 583 million euros in 2021 (141 million euros in 2020), and was positively

impacted by the capital gains on the sale of 60% of the shares in InfraCo, SpA, higher fixed and mobile revenues, expenses efficiencies and the lower depreciation and amortization expense.

In Peru, operating loss was 56 million euros in 2021 (operating loss of 84 million euros in 2020). The y-o-y reduction in the operating loss was attributable in part to the lower depreciation and amortization expense, offset in part by the increase in other expenses, mainly restructuring expenses.

In Colombia, operating income reached 99 million euros in 2021 (113 million euros in 2020), as a result mainly of the foreign exchange effects (which reduced growth by 4.7 percentage points), higher operating expenses and higher depreciation and amortization expenses, offset in part by the increase in B2B revenues, mobile handsets mark-up subsidies and non-commercial cost efficiencies.

In Mexico, operating loss was 339 million euros in 2021 (operating loss of 606 million euros in 2020). The y-o-y reduction in the operating loss was positively impacted by the y-o-y decrease in the depreciation and amortization expense resulting from the accelerated amortization and depreciation related to the transformation of the operational model in the operator.

Chapter 2

Non-financial information statement

Building a greener future

- 2.1. Responsibility with the environment
- 2.2. Energy and climate change
- 2.3. Circular economy
- 2.4. Digitalisation and Eco Smart services
- 2.5. European taxonomy for sustainable activities

Leading by example

- 2.11. Governance and sustainability culture
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- 2.16. Responsible supply chain management

Helping society thrive

- 2.6. Human capital
- 2.7. Digital Inclusion
- 2.8. Human rights
- 2.9. Responsibility in our products and service
- 2.10. Our contribution to communities





Building a greener future

2.1. Responsibility with the environment

GRI 103, 102-11

KEY POINTS

- We are committed to minimising our environmental impact and achieving net-zero carbon emissions and zero waste to landfill.
- All our operators have implemented externally certified Environmental Management Systems.
- We are working to become a leading supplier of digital solutions designed to help our customers avoid 12 million tonnes of CO₂ per year in 2025.

2.1.1. Vision

In the last few decades, protecting the environment has become a priority for all enterprises due to the risks and opportunities entailed. Furthermore, we are experiencing a clear increase of awareness among consumers, investors and employees towards the planet and the need to carry on their business in a more sustainable manner.

At Telefónica, we are striving to ensure our impact on the environment is minimal and are committed to decoupling the growth of our business from our environmental footprint. We also want to contribute, through digitalisation, to make a **new economic paradigm** a reality, which, in accordance with the European Green Deal, puts the focus on protecting the environment. Digitalisation is, therefore, a crucial tool to face these environmental challenges: climate change, circular economy, water management, biodiversity, etc.

This commitment is part of the Company's general strategy and is the responsibility of the Board of Directors. Our performance in this area is regularly supervised by the Board's Sustainability Committee and the Responsible Business Office, made up of the global areas which execute that strategy alongside the business units.

We have **global environmental and energy management policies**, and we act at all levels of the organisation. The environment is a central issue throughout the Company, involving both operational and management areas as well as business and innovation areas. The carbon reduction targets are part of the variable remuneration of all the Company's employees, including the Executive Committee.

We are working for a world where digital technology contributes to protecting the planet.

2.1.2. Risks and opportunities

The Company's environmental and climate change risks are controlled and coordinated under the Telefónica Group's global risk management model, in accordance with the **precautionary principle**.

The major focal point of our environmental risk is the high geographic dispersion of our infrastructure, which is controlled through environmental management based on uniform processes and certified according to the ISO 14001 standard.

We analyse the risks deriving from climate change in accordance with the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD). These are specifically disclosed in chapter 2.2 Energy and climate change.

In 2021, the Telefónica Group has contracted, both locally and globally, several insurance programs in order to mitigate the possible occurrence of any incident arising from the risks of environmental liability and/or natural disasters, to guarantee business continuity. We currently have fully comprehensive insurance and coverage for all risks, material damages and loss of profit, in order to cover any material losses, damage to assets and loss of income and/or customers, among other problems, as a consequence of natural events. We also have insurance to cover the environmental liabilities set out by applicable laws and regulations. Both insurance policies are based on limits, sub-limits and cover which are appropriate to

the risks and exposure of Telefónica and its Group of companies.

However, our company finds more opportunities than risks in this area: it helps us to improve our financing thanks to a diversified investor base and access to a growing sustainable market; it contributes to lessening our dependence on fossil fuels and reducing CO₂ emissions, fostering more efficient energy consumption; and promotes our growth through Eco Smart products and services.

2.1.3. Strategy and commitments

Our environmental strategy seeks to **minimise our impact on the planet** and **maximise the environmental benefits** generated by our digital products and services. The strategy is built around three levels:

The **first level** is related to the **responsibility** we assume as a company committed to our environment, managing our risks, implementing ISO management systems and carrying out proactive advocacy in favour of the environment.

The **second level** has to do with the **decarbonisation and circularity** of the company, thanks to renewable energies, extending the life of electronic equipment and reducing resource consumption and CO₂ emissions to tackle climate change



[Go to chapter 2.2 Energy and climate change](#)



[Go to chapter 2.3 Circular Economy](#)

Finally, the **third level** is linked to our raison d'être, the **digitalisation of our customers**, through services with a positive impact on the environment thanks to technologies such as the Internet of Things (IoT), cloud and big data.



[Go to chapter 2.4 Digitalisation and Eco Smart services](#)

As part of the integration of the environment into the company's strategy, **we are progressively increasing the company's sustainable financing**.



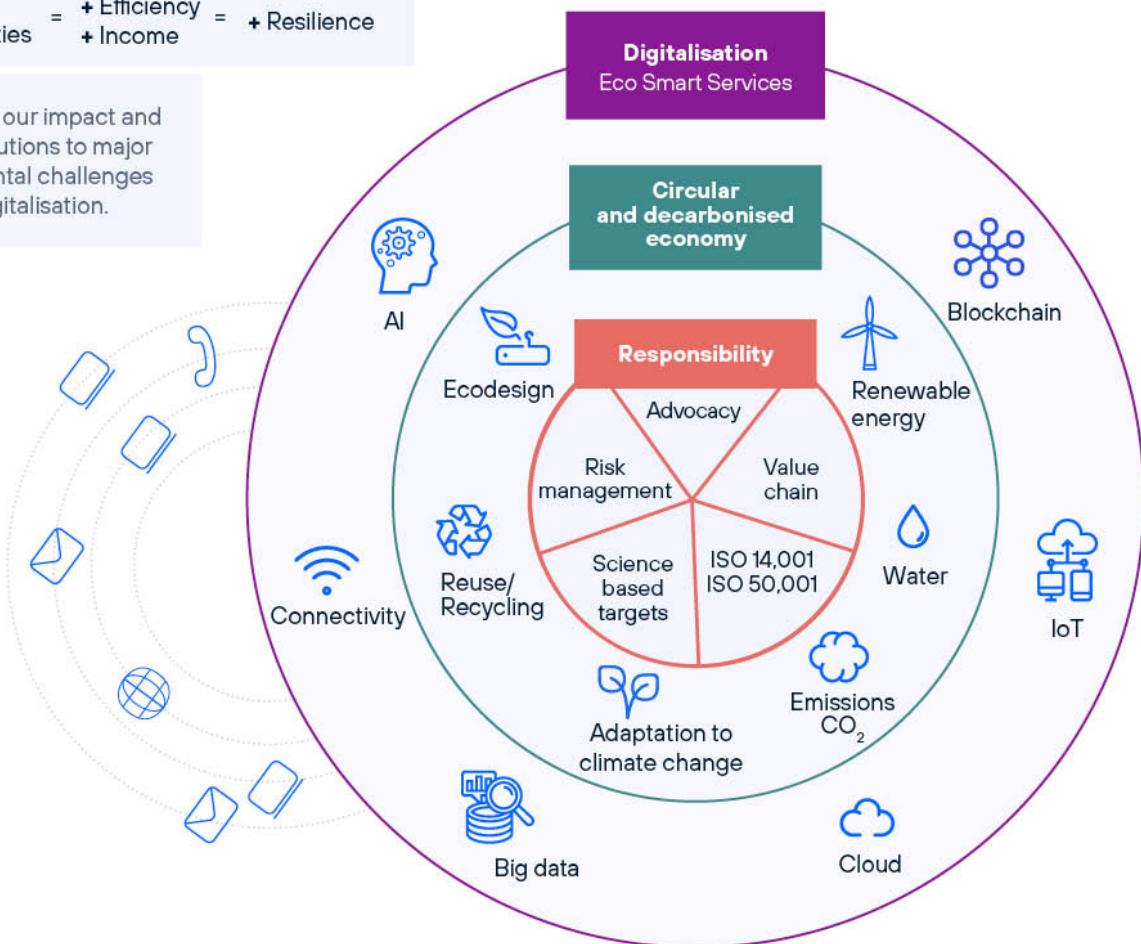
[Go to chapter 1.7 Sustainable finance](#)

Environmental Strategy



$$- \text{Risks} + \text{Opportunities} = + \text{Efficiency} + \text{Income} = + \text{Resilience}$$

We reduce our impact and provide solutions to major environmental challenges through digitalisation.



2.1.4. Targets

Our major targets are to:

Avoid 12 million tonnes of CO₂ per year for our customers in 2025.

Reduce our CO₂ emissions (scope 1+2) by 90% in our main markets in 2025, and 80% globally in 2030

Reduce CO₂ emissions in our value chain by 39% by 2025 compared to 2016 (scope 3).

Continue to consume 100% renewable energy in our main markets and also reach 100% globally in 2030.

Be a zero-waste company in 2030, through increasing ecodesign, reuse and recycling.

2.1.5. Environmental Management System

GRI 103, 102-11, 102-29

The **ISO 14001** Environmental Management System (EMS) is the model we chose to ensure environmental protection. **All our operators have an externally-certified EMS.**

We have a range of global standards incorporating the life-cycle perspective. We also incorporate the life-cycle perspective into the various aspects of our value chain and we pay particular attention to involving our partners in environmental management.

Having a certified EMS enables us to ensure that we successfully control and comply with the environmental legislation applicable to each operation, and this **preventive model of compliance** is associated with the Company's overall compliance process. We were not subject to any significant environmental penalties in 2021.

We manage all the main environmental aspects, such as energy and waste, but also others such as noise and water, progressively reducing our impact and increasing resilience through adaptation to climate change.

In addition, we renewed the Energy Management Systems (**ISO 50001**) certification for our operations in Spain and Germany and are working to extend it to other operations, such as those in Brazil (the EcoBerrini headquarters has already been certified).

2.1.6. Responsible network and biodiversity

GRI 103

With the goal of providing top quality service while promoting care for the environment, we successfully monitor environmental risks and impacts related to managing the network throughout its life cycle. In 2021, we invested around 20.8 million euros towards this goal (similar to the investment in 2020).

An example of the responsible management of the network is the fact that 98% of our waste was recycled in 2021.

In order to minimise the impact of network deployment, we implement best practices, such as noise insulation measures when necessary or infrastructure sharing. Thus, whenever possible during installation of our facilities, we share space with other operators. This enables us to optimise land occupation, visual impact, energy consumption and waste generation.

With regard to **biodiversity**, the impact of our facilities is limited. Nevertheless, we conduct environmental impact studies and implement corrective measures when necessary, such as in protected areas.

Practically all facilities are in low or very low value habitats.

To analyse the impact of the Group's infrastructures on biodiversity in greater detail, a Geographic Information System (GIS) was used to put together the area occupied by each type of infrastructure and the different layers of information about protected areas and species obtained from renowned international organisations, such as the International Union for Conservation of Nature (IUCN).

This information has enabled us to establish the quality of the habitats in which some type of the company's infrastructure is present (classifying them into five levels, from very low to very high) and assess the potential impact on biodiversity (destruction of vegetation or habitat disturbance in the area of influence, such as fragmentation, alteration or introduction of invasive species). As a result, it has been observed that almost all facilities are in low or very low value habitats, and none of them are located in habitats with a very high value; therefore, the potential impact on biodiversity is very limited.

RESPONSIBLE NETWORK LIFE CYCLE

PLANNING AND CONSTRUCTION

Environmental licences and permits	1,614
Visual impact reduction measures	88
Base stations with renewable energy	854

OPERATION AND MAINTENANCE

Energy efficiency and managements projects	188
Renewable energy in own facilities (%)	79.4
GHG emissions (Scopes 1+2) (tCO ₂ eq)	536,737
Energy consumption by traffic (MWh/PB)	54

DISMANTLING

Network equipment reused	9,520
Hazardous waste (t)	3,268
Total waste recycled (%)	98

2.1.7. Main indicators

GRI 301-3, 302-3, 303-5, 305-1, 305-2, 305-3, 305-4, 306-3, 306-4

The evolution of our environmental performance is reflected in the following summary of indicators:

Telefónica's environmental performance, at a glance

		2020	2021	Trend
	Management			
	Certified activity according to ISO 14001 (%)	100	100	●
	Energy			
	Energy consumption (MWh)	6,269,962	6,106,625	▼
	Renewable electricity in own facilities (%)	78.8	79.4	▲
	Energy consumption per traffic (MWh/PB)	72	54	▼
	Emissions			
	Scope 1 GHG emissions (tCO ₂ e)	207,872	183,231	▼
	Scope 2 GHG emissions - market based (tCO ₂ e)	467,587	353,506	▼
	Scope 3 GHG emissions (tCO ₂ e)	2,146,226	2,072,159	▼
	Emissions offsets (tCO ₂ e)	78,101	63,018	▼
	Avoided emissions			
	Emissions avoided by clients (MtCO ₂ e)	9.5	8.7	▼
	Water			
	Water consumption (ML)	2,785	2,735	▼
	Circular Economy			
	Waste generated (t)	46,912	64,065	▲
	Non-hazardous waste (t)	42,040	60,797	▲
	Hazardous waste (t)	4,872	3,268	▼
	Waste recycled (%)	98	98	●
	Equipment reused (t)	1,913	2,248	▲
	Biodiversity			
	Visual impact reduction measures (nº)	484	88	▼

2.2. Energy and climate change

GRI 103, 102-11

KEY POINTS

- Managing climate change is part of our business strategy and follows the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD).
- We are committed to achieving net-zero emissions in 2025 in our main markets, and in 2040 worldwide and with our value chain.
- Our reduction targets, validated by the Science Based Targets initiative (SBTi), are not only compatible with the expansion of the network and service quality, but also make us more competitive.

2.2.1. Vision

Intensive energy use in the current economic model is one of the main causes of climate change and most pressing challenges we are facing. In their latest report, the UN expert panel warned that **the world must cut emissions by 45% before 2030** and achieve net-zero emissions by 2050 at a global level. Organisations like the World Economic Forum identify climate change as the major risk factor for the world's economy and the investment world is increasingly aware of the need to focus on sustainable investments.

In addition, energy is an essential resource in developing our business and our annual consumption –over 95% of which is from the telecommunications network – is equivalent to that of a country such as El Salvador. According to GSMA, although the telecommunications sector is responsible for approximately 0.4% of global emissions, we can reduce it 10 times more due to digitalisation's ability to decarbonise other sectors. In addition, according to the World Economic Forum and the Exponential Roadmap, **digital technologies can help cut emissions by between 15% and 35%** within the next 10 years.

Our strategy thus includes managing energy and climate change, by aligning mitigation, adaptation and opportunities with the business and stakeholders' demands. We are working to continue leading in this area and forming part of the A List of the CDP climate change index, on which we have been included consecutively for the past eight years.



See references to the Task Force on Climate-related Financial Disclosures (TCFD) in chapter 2.1.7.8

2.2.2. Governance

The climate change and energy strategy is part of the Responsible Business Plan, headed by the Board of Directors. The Board of Directors' Sustainability and Quality Committee, which meets monthly, supervises the implementation of the strategy, reviews the risks and monitors its targets.

Our Global Energy and Climate Change Office has been operational since 2007. Comprising such areas as Operations, Environment and Procurement, it is tasked with implementing the strategy. Furthermore, the Global Energy Centre, created in 2015, deals with accelerating the fulfillment of the targets and, alongside local officers, promotes energy efficiency and renewable energy projects in each country.

At the Global Energy and Climate Change Workshop, which we have held every year since 2010, we analyse the progress we have made and new opportunities in the area.

In addition, a percentage of the variable remuneration of all our employees, including the Executive Committee, is linked to fulfillment of the annual CO₂ emission reduction targets, in line with the medium- and long-term goals.



Go to chapter 5.1 Annual report on Remuneration

Reducing CO₂ emissions has been part of the variable remuneration of all employees, including the Executive Committee, since 2019.

2.2.3. Policies

There are several internal regulations to align the organisation with our energy and climate change goals:

Environmental Policy

Energy Management Policy

Supply Chain Sustainability Policy

2.2.4. Risks and opportunities

Climate change is one of the basic risks inside the Company's Risk Management Model.



[Go to chapter 3.1. Risk management and control model](#)

We analyse the risks of climate change in accordance with the recommendations of the TCFD (Task Force on Climate-related Financial Disclosures), covering both the physical risks and those arising from transitioning in the **medium and long term**, using projections of climate variables for two different CO₂ concentration scenarios (RCP, the Representative Concentration Pathway).

In the RCP 2.6 scenario (aligned with the Paris Agreement), the risks relate mainly to transitioning to a decarbonised economy (regulatory, technological, market and reputational risks) – for example, due to the tightening of the measures to limit GHG emissions. This transition would also mean considerable **opportunities** associated with cost reductions due to energy efficiency and renewable energy and to business growth in digital solutions designed to help our customers decarbonise their activities.



[Go to chapter 2.4. Digitalisation and Eco Smart Services](#)

In contrast, in the RCP8.5 scenario ("business as usual") the major risks are physical risks, associated with changes to specific climate variables, whether these be temporary (increase in extreme weather events) or chronic (increase in temperature, variation in rainfall). The risk associated with the **increase in temperature** would entail a great financial impact, as it could increase electricity consumption from cooling our network equipment. In addition, this could be aggravated by the possible increase in the cost of electricity, mainly in countries which are highly reliant on hydropower, in the event of episodes of drought.

The business continuity, energy efficiency and renewable energy plans help us to cut exposure to these risks and adapt to the consequences of climate change.

Climate change risks

Transition				Physical	
Policy and legal	Technological	Market	Reputational	Chronic	Acute
Increase in the price of certain products and services as a result of taxes or levies on direct or indirect CO ₂ (energy, transport, etc.).	Need for early withdrawal of assets linked to HVAC or for energy to transition to clean energy.	Increased energy OpEx, for example, in countries dependent on hydropower or due to the increase in price of CO ₂ .	Greater demands in this area from major stakeholders (investors, analysts, customers, etc.). Growing costs of CO ₂ compensation	Greater consumption of electricity for refrigeration associated with the increase in global temperature. Possible increase in the price of electricity during droughts.	More frequent extreme weather events (mainly floods) would increase the business continuity risk and the cost of replacing damaged assets.

Climate change opportunities



Resource efficiency	Eco Smart products and services	Energy source	Resilience
Through our Energy Efficiency Plan, we are optimising our operating and network costs.	Our connectivity and digitalisation solutions are key for decarbonising other sectors and will allow us to access new business opportunities.	Our Renewable Energy Plan enables us to reduce carbon emissions and the energy costs of our network, thanks to self-generation and the signing of long-term agreements (PPA).	Our adaptation strategy allows us to incorporate risks and opportunities into the Company's strategy, influencing our investment decisions, modernisation and network deployment.

2.2.5. Strategy and commitments

The energy and climate change strategy is integrated into the management of the Company and focuses on building a greener future. We are committed to reducing our own carbon footprint in order to have a network with net zero emissions through which we deliver Eco Smart solutions to cut our customers' emissions.

Our journey towards **net-zero emissions** means reducing our own emissions (Scope 1 and 2) and those of our value chain (Scope 3), in addition to neutralising remaining emissions.

> Reducing our own emissions

At Telefónica, **keeping our electricity consumption stable** – despite the considerable rise in digitalisation of society and thus the data traffic circulating through our networks – is a priority. To do this, our Energy Efficiency Plan encompasses initiatives such as modernising our network by replacing copper with fibre optics; power plants and HVAC equipment renovation projects; using free cooling to cool with air directly from outside; shutting down legacy networks; implementing power-saving features (PSF) in the access network; and reducing fuel consumption by means of hybrid stations with photovoltaic solar energy.

To reach the point of decarbonisation of the Company, not only do we need maximum efficiency in energy usage but we also need the energy to come from renewable sources.

Our **Renewable Energy Plan** includes all types of solutions – self-generation, the purchasing of renewable energy with a guarantee of origin and long-term agreements (Power Purchase Agreements - PPA) – and prioritises non-conventional renewable energy sources. Our goal is to go further than 100% of renewable energy in our main markets, that is to contribute to increasing the renewable energy mix through self-generation or by facilitating the construction of new parks through our medium- and long-term consumption commitments.

In addition, introducing **carbon pricing** helps us make better investment and equipment procurement decisions.

When procuring energy-consumption-intensive equipment, we also apply the Total Cost of Ownership (TCO). This enables us to bear in mind not just the purchase price, but also the price of the energy consumed during its useful life, and thereby to opt for more efficient equipment.

> Reducing the emissions of the value chain

The emissions of our value chain (Scope 3) are the largest in our entire carbon footprint.

Of the **total Scope 3 emissions**, more than 2/3 come from the categories of purchases of products and services, capital goods and use of our products (according to the GHG Protocol methodology).

In order to reduce our emissions in the value chain, cooperating with our main suppliers and the rest of the sector is paramount, as we share the same challenges.

In this respect, we have our own Supplier Engagement Programme and we work closely with other operators in working groups in JAC (Joint Audit Cooperation) and GSMA, as well as in multi-sectoral initiatives such as 1.5°C Supply Chain Leaders and SME Climate HUB.

In addition, we foster the ecodesign and reuse of devices – both customer and network equipment – to reduce emissions from these. We also offer sustainable purchasing criteria, like the Eco Rating seal, which rates the **sustainability of mobiles**, thus encouraging manufacturers to improve them.



[Go to chapter 2.3. Circular Economy](#)

We collaborate in sectoral initiatives to reduce our supply chain emissions.

> Neutralising the remaining emissions

We neutralise the emissions we cannot reduce (around 10%) preferably through nature-based carbon sequestration projects (**permanent absorption of CO₂** from the atmosphere) that have been awarded the most reliable certifications, while also seeking added value in terms of job creation and biodiversity.

Targets

Our targets, validated by the Science Based Targets initiative (SBTi), aim to reduce emissions in line with a 1.5°C scenario through our operations, including the value chain:

To reduce our Scope 1 and 2 **emissions by 90%** in 2025 in our main markets, and by 80% globally in 2030, compared to 2015.

To have **net-zero emissions in 2025** in our main markets, taking into account Scopes 1 and 2 and neutralise residual emissions (2040 for Hispam).

To continue using 100% of electricity from **renewable energy** in our main markets, promoting their

development through long-term power procurement agreements and more self-generation (Hispam 100% renewable in 2030).

To reduce CO₂ emissions in our **value chain** by 39% in 2025 compared to 2016, and achieve net-zero emissions in 2040.

To improve our **energy efficiency**: to reduce energy consumption per traffic unit (MWh/PB) by 90% in 2025 compared to 2015.

To contribute to our customers avoiding 12 million tonnes of CO₂ per year through connectivity and our Eco Smart services in 2025.



[Go to chapter 2.4. Digitalisation and Eco Smart Services](#)

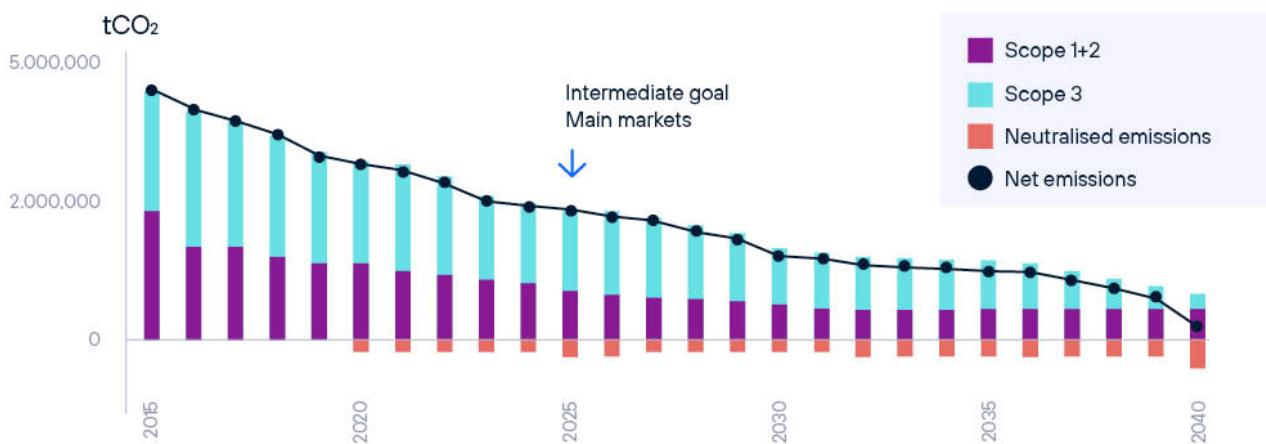
Telefónica's climate targets are validated by the SBTi and include Scopes 1, 2 and 3.

Energy and climate change targets

Beyond the Paris Agreement

Journey to Net-Zero

We reduce our emissions in line with the 1.5°C scenario and we neutralise the rest until we achieve Net-Zero.



2.2.6. Progress in 2021

The data presented in this section regarding the Telefónica Group do not include operations in the United Kingdom, following its merger with Virgin Media as of 1 June 2021. The main indicators associated with such operations between January and May 2021 (period pertaining to the Telefónica Group) are reported separately in the indicator summary tables.

> Progress in energy consumption

GRI 302-1, 302-2, 302-3, 302-4

In 2021, we undertook 188 energy efficiency and management initiatives in our networks and offices, achieving savings of 302 GWh. Total energy consumption was 6,107 GWh (21,983,852 GJ), 95% of which was electricity, while 5% was fuel. Our **energy consumption per traffic unit** rate improved by 86% compared to 2015 and we saved €37.6 million through the implementation of energy efficiency and management projects.

Thanks to the implementation of energy efficiency projects, we have managed to reduce power consumption by 7.2% since 2015, while data traffic through our networks has increased 6.7 times over.

In 2021, as part of our energy efficiency projects, we fostered network transformation initiatives, responsible for 85% of our energy savings. We also rolled out projects to **shut down** legacy infrastructure, such as 2G and 3G networks, as well as copper networks. In Germany, we concluded the full shutdown of the 3G network, cutting energy consumption by approximately 60 GWh per year.

In Spain, thanks to the migration of customers from copper to fibre (85% more efficient in terms of energy consumption), we shut down over 1,440 stations, saving 36.7 GWh per year.

We should also highlight improvements in the **design** of mobile sites, with a more sustainable approach from the point of view of construction, maintenance, energy consumption and emissions. This model, called the Smart Site model, encompasses all available best practices, such as upgrading equipment, free cooling, installing Bluetooth locks and using renewable energy.

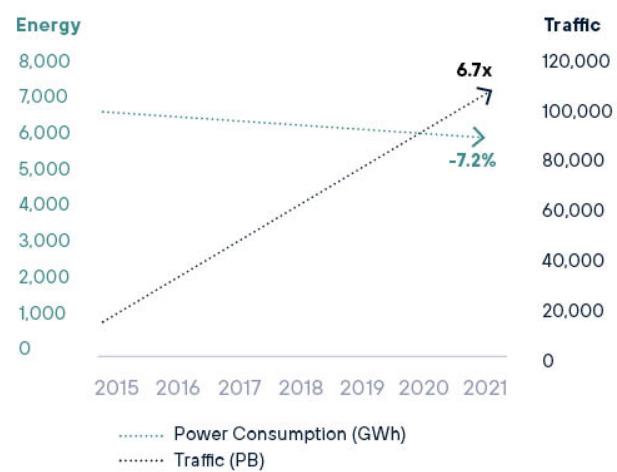
With regard to efficient management of network capacity, we increased use of power saving features (PSF) during periods of low traffic. Thanks to the use of artificial intelligence tools and **automatic prediction** of traffic, the 15 new PSFs implemented in our 4G and 5G networks have reduced energy consumption by up to 30% without compromising network quality.

In 2021, we rolled out a sustainable immersion cooling solution at the Bellas Vistas fixed switch site in Madrid (Spain). This pilot scheme demonstrates how less energy can be used to support growing demand for data in Edge

Computing and 5G, thanks to immersing the servers in an electrically non-conductive, non-toxic, biodegradable fluid which is up to 50% more energy efficient than air conditioning.

Finally, we must highlight the improvement in reporting methodologies for data on operational fuel consumption and recharging of refrigerant gases. In countries such as Brazil and Argentina, we have digitalised the management process, thereby increasing data accuracy and enabling implementation of new projects to reduce Scope 1 emissions.

Progress in energy and traffic 2015-2021



> Renewable energy

GRI 302-1, 302-2, 302-4, 305-5

In 2021, 79.4 % of our total electricity consumption in own facilities came from renewable sources.

We continued the ambitious **distributed generation** project in Brazil, which will enable, as of 2022, 83 new renewable energy plants around the country to generate over 700 GWh per year for Telefónica Brazil and thus reduce dependence on iREC guarantees of origin.

In Spain, we signed four new **long-term, renewable energy Power Purchase Agreements (PPA)** for the period 2022-2031, which will cover 30% of the total consumption for the country, equivalent to 482 GWh per year for 10 years. These new agreements made it possible to achieve a total of 582 GWh of renewable electricity covered by PPAs in our operations in Spain, covering 50% of the consumption of technical buildings.

Furthermore, thanks to the extension of **guarantee of origin programmes**, countries such as Chile, Colombia and Peru certified 34%, 67% and 100%, respectively, of their electricity consumption in Latin America as renewable. In Germany, Brazil and Peru, we also certified 100% of the electricity consumption at third-party sites as renewable.

In Europe, Brazil and Peru, 100% of the electricity we consume at our own facilities comes from renewable sources (79.4 % at global level). Our goal, as part of the RE100 initiative, is for the electricity we consume in all our operations to come entirely from renewable sources in 2030.

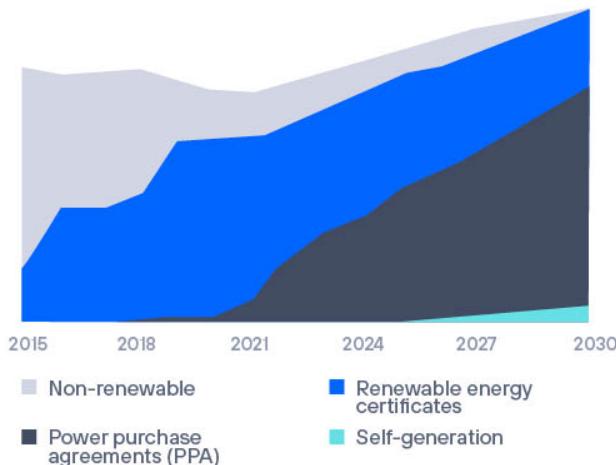
As regards **self-generation**, we are gradually increasing the number of base stations of the mobile network that run on renewable energy, up to 854. This also allows us to avoid using fuel-powered generators in isolated base stations, thus achieving a reduction in consumption of between 70% and 100%.

In Uruguay, due to more favourable regulations for developing this type of system, 3% of the energy consumed by the operator's mobile network was self-generated through solar photovoltaic energy.

In Spain, we also implemented photovoltaic **self-generation** systems in several buildings, using solar production for self-supply (without excess being sent to the grid) under two models, the first with our own CapEx and the second under a service model where we pay for the electricity generated at lower than market rate, obtaining OpEx savings.

Our Renewable Energy Plan focuses on continuing to sign long-term Power Purchase Agreements (PPAs) and self-generation, in order to progressively reduce the purchase of certificates of renewable origin and increase savings in OpEx for electricity.

Renewable energy



Total energy consumption



Savings from energy efficiency projects, 2021



*Other: includes projects such as lighting, correcting the output factor, renewable self-generation, fuel consumption reduction, automation, and tax exemptions and benefits.

Energy ⁽¹⁾	Unit	2015	2019	2020	2021	Evolution 2015/2021
Total energy consumption	MWh	6,577,766	6,399,655	6,269,962	6,106,625	-7.2%
Electricity consumption ⁽²⁾ + self-generation	MWh	6,186,885	6,028,893	5,966,242	5,815,665	-6.0%
Fuel ⁽³⁾ and district heating	MWh	390,882	370,762	303,720	290,961	-25.6%
Electricity from renewable sources in own facilities	%	17.2	73.8	78.8	79.4	
Total annual traffic managed	Petabyte	17,054	59,559	86,591	113,547	565.8%

(1) The data in this table do not include Telefónica United Kingdom (O2). Its total energy consumption between January and May 2021 was 223,657 MWh and 100% of the electricity consumed in own facilities came from renewable sources.

(2) Includes total electricity consumption from renewable sources, which in 2021 amounted to 4,234,353 MWh, of which 3,697,451 MWh are consumed in own facilities.

(3) Includes biofuel consumption, which in 2021 amounted to 35,987 MWh.

> Progress in emissions

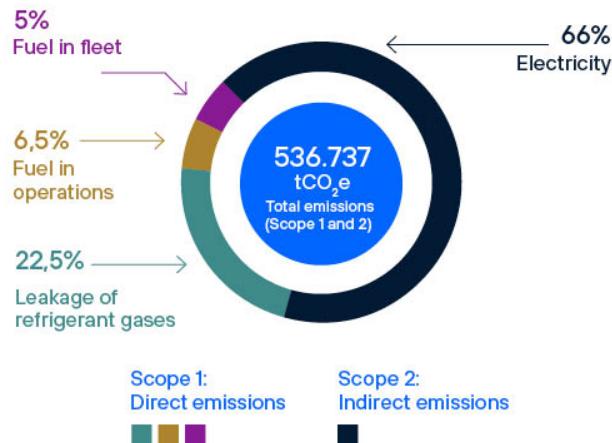
GRI 305-1, 305-2, 305-3, 305-4, 305-5

We calculate and verify by an external party our carbon footprint based on the **GHG Protocol** Accounting and Reporting Standard, developed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD).

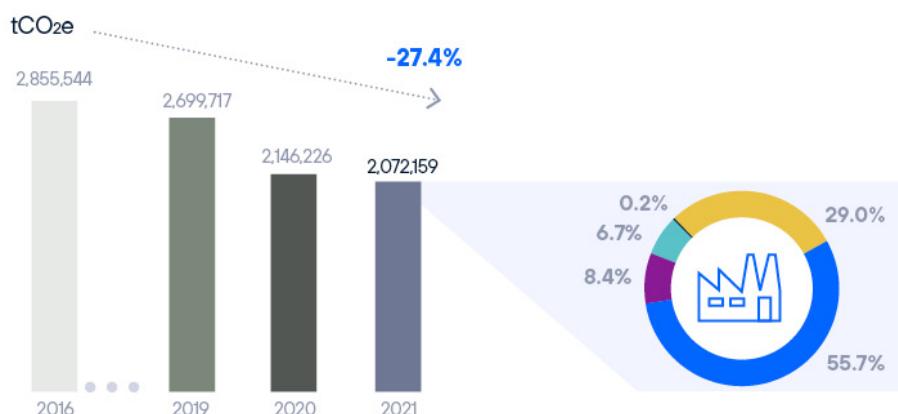
In 2021, our **Scope 1** emissions fell by 36% compared to 2015, which represented 103 ktCO₂e less in 6 years. In **Scope 2** emissions, the reduction was 77% versus 2015, that is 1,171 ktCO₂e less over the same period. Combined, our Scope 1 and 2 emissions fell by 70%, which implies a reduction of 1,274 ktCO₂e emitted to the atmosphere.

Furthermore, our energy efficiency and renewable electricity purchase initiatives saved us 69 ktCO₂e and 902 ktCO₂, respectively.

Telefónica emissions in 2021



Scope 3 emissions



Emissions⁽¹⁾

	Unit	2015	2016	2019	2020	2021	Evolution, base year/2021
Scope 1	tCO ₂ e	286,201	281,517	229,296	207,872	183,231	-36.0%
Scope 2 (based on market method)	tCO ₂ e	1,524,954	1,047,751	657,024	467,587	353,506	-76.8%
Scope 1 + 2 (market)	tCO ₂ e	1,811,155	1,329,268	886,319	675,459	536,737	-70.4%
Emissions offset ⁽²⁾	tCO ₂ e				78,101	63,018	
Net emissions ⁽³⁾	tCO ₂ e			886,319	597,357	473,718	
Scope 3 ⁽⁴⁾	tCO ₂ e		2,855,544	2,699,717	2,146,226	2,072,159	-27.4%
Biogenic	tCO ₂ e			9,680	9,695	9,020	
Emissions avoided due to renewable energy consumption	tCO ₂ e	392,489	752,264	868,611	782,868	902,019	129.8%
Intensity of emissions (Scope 1+2/income in €m)	tCO ₂ e / M€	33.0	29.4	21.4	18.6	14.6	-55.8%

(1) Emissions data in this table represent more than 96% of total emissions from the Group. Telefónica United Kingdom (O2) is not included. Scope 1+2 (market) emissions between January and May 2021 were 15,336 tCO₂e and emissions avoided due to renewable energy consumption were 37,014 tCO₂

(2) Emissions offset by purchase of carbon credits in certified projects.

(3) Net emissions after offsetting through purchase of carbon credits [Scope 1 + 2 (market) - Emissions offset].

(4) Scope 3 emissions were recalculated for 2016, 2019 and 2020 due to a change in scope and improvements in calculation methodology.

Emissions by company

EMISSIONS (tCO ₂ e)	T. GERMANY	T. BRAZIL	T. SPAIN	T. ARGENTINA	T. CHILE	T. COLOMBIA	T. ECUADOR	T. MEXICO	T. PERU	T. URUGUAY	T. VENEZUELA	Telxius	Other companies ⁽¹⁾
Scope 1+2 (market)	5,950	63,018	44,400	166,854	71,981	35,072	9,223	69,405	6,027	1,107	46,466	7,494	9,740
Scope 1	5,369	63,018	25,631	31,692	10,348	14,101	1,131	7,589	6,027	550	12,338	1,837	3,600
Scope 2 (market)	581	0	18,769	135,162	61,633	20,971	8,092	61,817	0	556	34,128	5,657	6,140

(1) Other companies consolidates emissions for the following companies: Telefónica GIRES, ACENS, Media Networks Latin America Perú, Internet para todos -IPT Perú

Without our Renewable Energy Plan, Telefónica's emissions would have been 2.7 times greater.

Scope 3 emissions represent 79% of the total generated by Telefónica. This is why in 2021 the 15 Scope 3 categories were re-screened according to the GHG Protocol to increase the quality of the data through methodological improvements. The screening identified those categories representing over 5% of the total Scope 3 emissions as being material categories: 'Purchased products and services', 'Capital goods', 'Energy-consumption-related activities' and 'Use of sold products'. In addition, we report other emissions we consider to be strategic for our business or which improve comparability with the sector, such as: 'Business travel' and 'Investments" (32,953 tCO₂). We have been reporting on the latter two in 2021 following the creation of the Virgin Media O2 joint venture.

In 2021, our Scope 3 emissions fell by 27.4% compared to 2016 (base year), which represents 783,385 ktCO₂ in 5 years. The main Scope 3 emissions of our value chain come from purchases from our supply chain (64%), and

usage of the products and services we sell to our customers (29%)

In 2021, we continued our **Supplier Engagement Programme**, and invited our most emissions-significant suppliers to join the **CDP Supply Chain programme**. The information reported enabled us to understand their degree of maturity in handling their carbon footprints and identify potential areas for collaboration with the most advanced ones, to accelerate the achievement of our goal. In total, 262 suppliers participated, representing 90% of the emissions from our supply chain.

Along the same lines, our operator in Brazil implemented a local engagement initiative with 115 suppliers, which represented 90% of the emissions from its supply chain.

In addition, as a result of our participation in the **1.5°C Supply Chain Leaders** initiative, which advocates reducing the emissions of small and medium-sized enterprises, we supported the launch in Spain and the UK of **SME Climate Hub**, which will allow SMEs to begin their journey towards decarbonisation.

We are working with other companies in the sector to address the challenge of decarbonising our supply chain.

We continued to lead the working group which is part of the **JAC** (Joint Audit Cooperation) initiative in order to drive climate action as a sector. We assessed the climate-related maturity of the strategic suppliers of the companies who are part of the initiative and worked to encourage them to increase their level of ambition and set science-based, ambitious, emission reduction targets.

We also worked on reducing **emissions associated with use of equipment in customers' homes**, mainly linked to electricity consumption by routers and decoders. We thus continued driving the ecodesign of this equipment. At the current time, our HGU (Home Gateway Unit) consumes 30% less energy than our previous solutions.

We are part of the A List of the CDP Climate Change Index for the eighth year in a row and are a Supplier Engagement Leader.

Performance 2021 - Global

KPI	Unit	Target	Value base year	Value 2021	Evolution
Energy consumption per traffic	MWh/PB	-90 % (by 2025)	386	54	-86.0%
GHG emissions. Scope 1 + 2 (market)	tCO2e	-80 % (by 2030)	1,811,155	536,737	-70.4%
GHG emissions. Scope 3	tCO2e	-39 % (by 2025)	2,855,544	2,072,159	-27.4%
% Renewable electricity consumption in own facilities	%	100 % (by 2030)	17 %	79 %	

Performance 2021 - Main markets (Brazil, Germany, Spain)

KPI	Unit	2025 target	Value base year	Value 2021	Evolution
Energy consumption per traffic	MWh/PB	-90 %	336	54	-83.9%
GHG emissions. Scope 1 + 2 (market)	tCO2e	-90 %	1,022,365	113,368	-88.9%
GHG emissions. Scope 3	tCO2e	-39 %	1,453,453	1,056,412	-27.3%
% Renewable electricity consumption in own facilities	%	100 %	25 %	100 %	

> Neutralisation of residual emissions

In 2021, we progressed with initiatives to neutralise emissions while also contributing value.

In Spain, we launched the **Telefónica Forest** project, which will help to restore an abandoned area that until then had been used for agriculture and will now be used for forestry purposes, thereby boosting the local economy, involving rural communities, and fostering jobs for young and disadvantaged people.

In 2021, our operator in Brazil continued to offset 100% of its emissions through the purchase of **carbon credits**. The projects that generate these credits are backed by reputable certificates and support local projects for both conserving ecosystems and fostering renewable energy. Brazil will move towards carbon neutrality over the next few years with projects that meet the criteria set for the entire Telefónica Group.

VMED O2 UK

The main indicator data for VMED O2 regarding energy and emissions from June to December 2021 are:

KPI	Unit	O2 UK (mobile operations)	Virgin Media UK (fixed operations)
Total energy consumption	MWh	332,070	310,534
GHG Emissions. Scope 1 + 2 (market)	tCO2e	28,910	15,479



MILESTONES

- We reduced Scope 1 and 2 emissions by 70%, ahead of our 2025 target.
- We were part of the A List of the CDP for the eighth year in a row.
- We awarded the largest, private, long-term, renewable-energy purchase agreement in Spain. In global terms, the electricity we consume in our facilities is already 79.4 % renewable energy.
- We achieved 100% renewable electricity at third-party sites in Germany, Brazil and Peru..
- We implemented the disruptive Liquid Cooling project for cooling servers, technology up to 50% more energy efficient than air conditioning.
- We obtained a 52% response rate in the first year of CDP Supply Chain reporting, with 100% participation of our high-priority suppliers and 84% of our mid-level priority suppliers.

2.3. Circular economy

GRI 103, 102-11, 301-3, 303-5, 306-2

KEY POINTS

- We currently recycle 98% of our waste and we are committed to be a Zero Waste company.
- We promote the circular economy in the use of electronic devices through ecodesign, recycling and reuse of equipment.
- We reuse 4.7 million of electronic equipment, 19% more than 2020.

2.3.1. Vision

Overexploitation of the planet is one of the main causes of environmental degradation and climate change. According to the World Resources Institute, each year more than 100 billion tonnes of mineral, biological, metal or fuel resources are used. This amount exceeds what the planet can regenerate in a year and only 8.6% of these resources are recycled or have a second life.

The **circular economy** is a solution framework for this problem that understands the economy in a different way, one which enables economic growth while respecting the planet's limits: it could reduce the use of resources by 28% and global greenhouse gas emissions by 39%. Moreover, in the European Union alone, it could create nearly **700,000 jobs** and increase its GDP by 0.5% between now and 2030. All this is based on principles such as reducing impacts from design, product lifespan extension, recovery of raw materials or the dematerialisation of the economy thanks to digitalisation.

At Telefónica, we integrate this philosophy into our processes: we focus on optimising resource consumption and promoting ecodesign, reuse and recycling aiming at minimising our impact, as well as encouraging to keep the materials in circulation.

2.3.2. Policies

We have several policies which lay down the basis for implementation of the circular economy throughout the Company:

Environmental Policy

Energy Management Policy

Supply Chain Sustainability Policy

Deriving from these policies are the following **Principles for promoting the circular economy**

Promoting the development of an enabling regulatory framework for the circular economy.

Reducing waste generation and encouraging reuse and recycling.

Guaranteeing proper processing with controls on our supply chain.

Offering our customers products and services with less consumption of raw materials, environmental information during their telephone purchases and alternatives for the disposal of their used devices.

Promoting the best ecodesign by manufacturers.

2.3.3. Risks and opportunities

Overexploitation of resources and supply **risks** which affect the availability of products and services go hand in hand. A recent example of this risk was the reduced availability of microchips due to COVID-19. In fact, according to the World Economic Forum, the natural resources crisis is considered to be one of the highest impact and highest likelihood risk that can only be reversed by a more circular economy.

Currently, 45% of global emissions derive from the manufacture and use of products, while 90% of the biodiversity loss and water stress is caused by the **extraction and processing of natural resources**. Therefore, a more efficient and circular management can substantially reduce these impacts.

This is especially relevant when using electronic equipment, since each year 54 million tonnes of waste are produced, of which barely 17.4% is recovered and

recycled. Ecodesign or product design for circularity, reuse and recycling contribute to reducing the risk of exhausting resources and affecting the continuity of our supply chain (components, critical raw materials, etc.), as well as reducing greenhouse gas emissions.

Furthermore, the circular economy entails considerable **opportunities** encouraged by digitalisation, as it needs a hyperconnected society in order to be achieved.

Besides influencing the circularity of our operations, we can also encourage circularity in other business sectors thanks to solutions such as artificial intelligence (AI), blockchain and the Internet of Things (IoT), which are a great business opportunity for Telefónica.

For example, the use of digital technology in agriculture (Smart Agro) helps to optimise the use of water, fertiliser, and plant protection products. Another example is the optimisation of processes and consumption in Industry 4.0.



[More information in chapter 2.4. Digitalisation and Eco Smart services](#)

A further opportunity is the economic benefit of reuse and recycling. Reuse and refurbishment of home equipment helps to reduce acquisition of new equipment. In addition, the sale of waste (mainly cable from our network transformation process from copper into fibre) and refurbished equipment provides us with additional income.

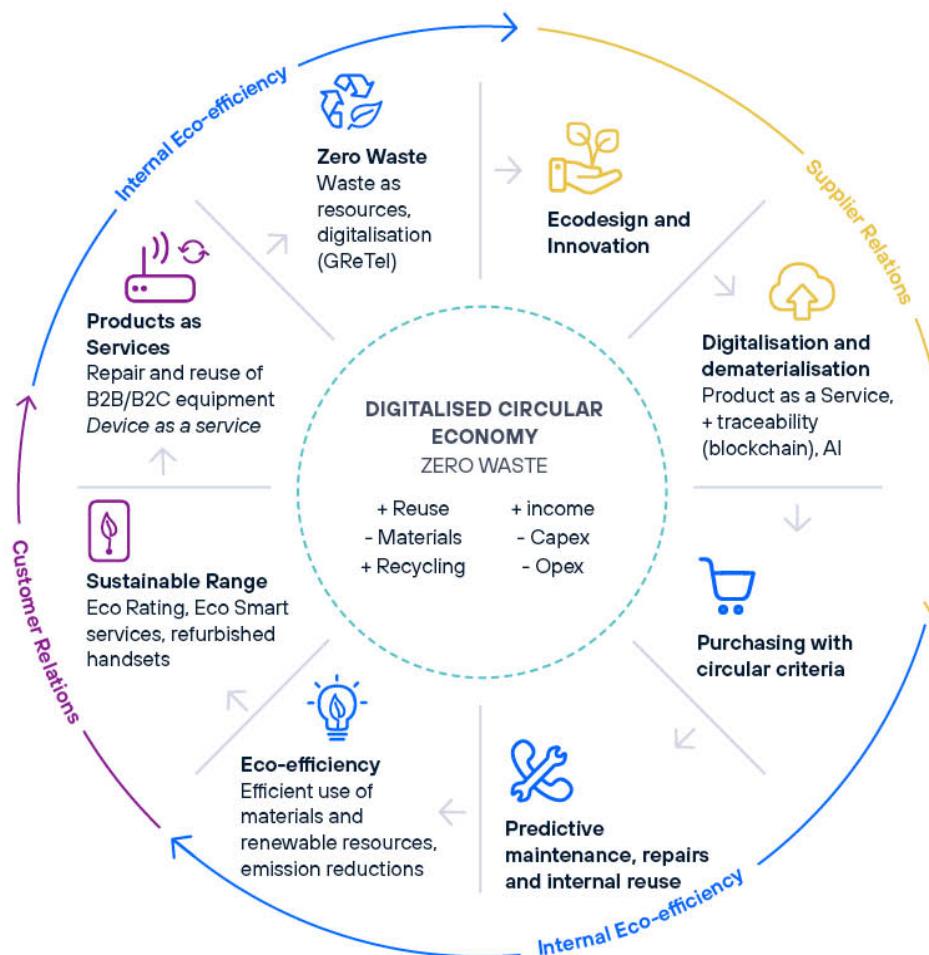
2.3.4. Strategy and commitments

The circular economy enables us to continue growing sustainably, to do more using less resources, while avoiding or reducing indirect carbon emissions associated with manufacturing new equipment.

We are committed to integrating circular economy criteria, with a cross-cutting approach, on three levels: **internal eco-efficiency, suppliers, and customers**.

Circular economy strategy

Enhanced circularity through digitalisation



> Internal eco-efficiency

We minimise the environmental impact of our services and operations through eco-efficient measures such as preventive maintenance of infrastructure, replacing equipment with alternative, low-consumption equipment and reusing equipment internally. This enables us to optimise our consumption of water, paper, and energy, for the latter, through an Energy Efficiency Programme.



More information in chapter 2.2. Energy and climate change

Taking into account the waste hierarchy principle in the circular economy, to prevent waste generation in our operations and our value chain, we are committed to **ecodesign**, procurement using circular criteria and reuse, mainly of electronic equipment, as the best waste is that which is not generated at all. All this enables us to be more competitive, reduce our expenses and increase our revenue, while reducing our footprint on the environment and complying with applicable legal regulations.

We have set ourselves the main goal of being a **Zero Waste company in 2030**: this entails increasing repair, reuse and recycling, ensuring that our waste does not end up incinerated or sent to landfill, but transformed into raw materials that are reintroduced into the value chain. All this involves the use of Telefónica's GReTel digital platform for waste management.

> Suppliers

We have integrated the philosophy of the circular economy into our relationship with our suppliers, who are essential allies for the transition towards a circular economy. We are working together to introduce ecodesign measures into the products. We are progressively establishing **circularity requirements** as part of the acquisition of electronic equipment, encouraging the elimination of single-use plastic and

opting for new models based on digitalisation and dematerialisation with our supply chain, such as moving from product to Product-as-a-Service (PaaS).

> Customers

We support and raise awareness among our customers by offering them different initiatives to reduce their footprint on the planet, such as the **Eco Smart** seal (see chapter 2.4. Digitalisation and Eco Smart services), repair services, handset buy-back programmes and offers of refurbished products (which facilitate the returning and reuse of devices), and the **Eco Rating** seal, which rates the environmental sustainability level of mobiles throughout their life cycle, including use of raw materials and ease of recycling. This information serves to **foster innovation** and encourage our suppliers to reduce the environmental impact of their manufacturing processes.

Targets

In order to achieve zero waste by 2030, we have set the following targets:

To refurbish and reuse 90% of fixed equipment (routers and decoders) collected from customers in 2024.

To introduce circularity criteria in all purchases of customer electronic equipment in 2025.

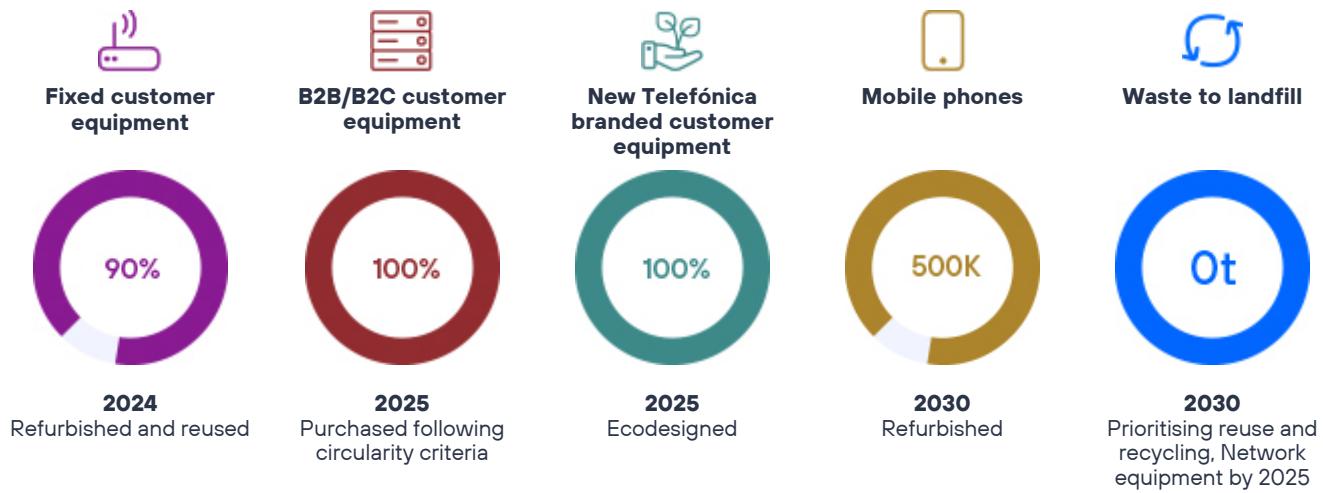
To introduce ecodesign criteria in all new customer equipment under the Telefónica brand in 2025.

Zero waste to landfill in 2030, through reuse and recycling. Zero network equipment waste to landfill by the end of 2025.

To refurbish 500,000 mobiles per year in 2030 through various programmes.

Circular economy targets

We are moving towards becoming a Zero-Waste company



2.3.5. Progress in 2021

2.3.5.1. Internal eco-efficiency

GRI 103, 301-2, 301-3

> Electronic equipment

We extend the useful life of equipment by reusing them whenever possible. If the equipment cannot be reused the best option is to recycle them as each piece of equipment contains **precious metals** such as gold, copper and nickel, which can be used as resources in a new product. Due to this, out of the total amount of electronic equipment collected in 2021 in our operations and from our customers, 84% were recycled, 16% were reused, while nearly 0.1% was incinerated or sent to landfill.

Thanks to the returning and refurbishment of customer equipment and internal reuse of equipment in operations and offices, we were able to give new life to nearly 4.7 million devices, 19% more than 2020. Through reuse, we avoided the manufacture of new products and prevented 381,569 tonnes of CO₂ from being emitted, thanks to this initiative.

During our network transformation process, many equipment is reused within Telefónica's own network, thus fostering the circular economy in dismantling processes. To encourage reuse, Telefónica has rolled out the MAIA project, which facilitates and promotes internal reuse with the aid of a digital platform. Each operator can access the platform to view available equipment and contact other operators in the Group to accomplish reuse. When **internal reuse** is not possible, the platform enables operators to connect with technological partners to facilitate equipment sales and thus extend its useful life.



Success story: Dismantling the mobile network at Telefónica Mexico

The gradual dismantling of the mobile network by Telefónica Mexico is being carried out using a circular economy approach. This allows the internal reuse of dismantled equipment primarily in the Telefónica Mexico network, but if this is not possible it is reused by another Telefónica Hispam operator. Thanks to this initiative, Telefónica has managed to successfully reuse over 30% of the equipment dismantled to date.

> Waste as resources

GRI 306-1, 306-2, 306-3, 306-4, 306-5

When reuse is not an option, recycling is the best **alternative** for the treatment of waste. Network infrastructure maintenance is our main generator of waste, along with the administrative activities that we carry out at our offices and, to a lesser extent, commercial activities with our customers. In 2021, we generated 64,065 tonnes of waste and managed to recycle 98% of this total.

About 91% of the waste we generate comes from our network transformation process, when we migrate from copper cables to fibre optics. In 2021, this transformation process was accelerated thanks to the Granada Plan for closing stations in Spain and the Vivo María do Carmo Project in Brazil, as well as different network transformation projects in Hispam. All these efforts, together with the shutting down of 3G at some of our

operators, has resulted in an increase in reported waste by 37% in the last year. We encourage the **circular economy** by placing more value on the materials we remove during the transformation process, so that they

can be reintroduced into the production model by recycling them. This valorisation generates revenues increasing year by year as the network's transformation evolves.

Zero waste in 2030 thanks to ecodesign, reuse and recycling

Circularity in Electronic Equipment

To reduce their impact and waste generation, we prolong the useful life of electronic equipment by reusing it whenever possible and recycling the rest:

Equipment reused

 4.7 million	← 16% Reused
 Routers and Decoders	84% Recycled
 Mobile telephones	 4,382,126 units
 Donated equipment	 323,214 units
 Operations and office equipment	 9,520 units



The waste we generate is managed outside our facilities by partner companies specialised in managing them in the best way possible in accordance with the available technical capabilities, the environmental regulations in force and the established contractual requirements.

Every time that waste is transferred from our premises, the staff responsible ensure that all the information is incorporated into Telefónica's waste management platform (**GReTel**), making it possible to obtain and analyse real-time data about the waste produced by the Company. This system enables us to be aware of the volume of waste removed, draft reports, analyse information and keep all documentary evidence to ensure proper compliance with **environmental regulations** in each country where Telefónica operates, thus aiding decision-making with regard to promotion of a circular economy approach to waste management.

Zero waste by 2030 - targets and indicators

Target	Indicator	2021
>97% Recycled waste	% Recycled waste	98 %
To refurbish 90% of Customer Premise Equipment (CPE: routers, decoders..) collected from customers in 2024.	% CPE reused or refurbished	84 %
To refurbish 500,000 mobiles a year in 2030 thanks to different programmes.	Number of reused customer mobile phones	323,214
B2B/B2C equipment purchased with circular economy criteria - 100% by 2025	% procurement processes of B2B/B2C equipment using circular criteria	First pilot exercise: B2B routers and switches acquisition. Telefónica Spain.
Ecodesign of branded equipment - 100% by 2025	% Branded products with ecodesign criteria	First pilot exercise: Life cycle Assessment (LCA) study on the new model of 5G router

Telefónica's waste	Non-hazardous waste			Hazardous waste			Total		
	2019	2020	2021	2019	2020	2021	2019	2020	2021
Total waste generated (t) (excludes reuse as it is not considered waste until its useful life has ended)	38,888	42,040	60,797	2,829	4,872	3,268	41,717	46,912	64,065
Waste diverted from disposal (t) (includes recycling, reuse and other treatments). GRI 306-4	40,350	43,628	62,474	2,716	4,811	3,201	43,066	48,439	65,674
Waste directed to disposal (t) (includes energy recovery, incineration and landfill). GRI 306-5	471	324	571	113	61	67	584	386	638

Treatments prioritised according to the waste hierarchy principle

Equipment reused (t)	1,933	1,913	2,248	n/a	n/a	n/a	1,933	1,913	2,248
Waste recycled (t)	38,352	41,213	60,036	2,698	4,758	2,520	41,051	45,972	62,556
Waste to energy recovery (t)	31	1	17	3	17	21	34	18	38
Other treatments ⁽¹⁾ (t)	65	502	191	18	53	681	83	554	871
Waste sent to landfill and incineration (t)	440	323	554	110	45	47	550	368	600

Note:

⁽¹⁾Other treatments: includes physical treatments, biological treatments, secure cells and intermediate treatments prior to recycling.

> Water

GRI 303-4, 303-5

Our water consumption is mainly due to sanitary use and, to a lesser extent, its use in air conditioning. We adopt specific measures to achieve more efficient use, especially in areas where the **water stress** is greater and in accordance with local limitations and regulations.

In 2021, our overall consumption was 2,735 ML (2.7 Hm³), 765 ML in high-water-stress areas, which represents 28% of the total.

Within the set of measures established by each country depending on its environmental characteristics, there are **measures** to reduce water consumption in high-water-stress countries, such as Spain, Chile, and Mexico. Thanks to them, we have reduced consumption in all areas by -2% compared to the previous year.

The measures adopted at local level to **reduce** water consumption include water treatment systems in cooling towers in Telefónica Chile; commissioning of a greywater treatment plant for rainwater collection and reuse; installation of water-saving devices and sanitary sewage keys fitted with sensors to limit consumption in the Torre Telefónica building offices in Telefónica Mexico, and a sustainable water use plan implemented at our headquarters in Madrid, which enables water consumption to be reduced by using rainwater in the gardens and other saving systems for sanitation.

Water consumption from all areas (ML)

2019	2020	2021
3,268	2,785	2,735

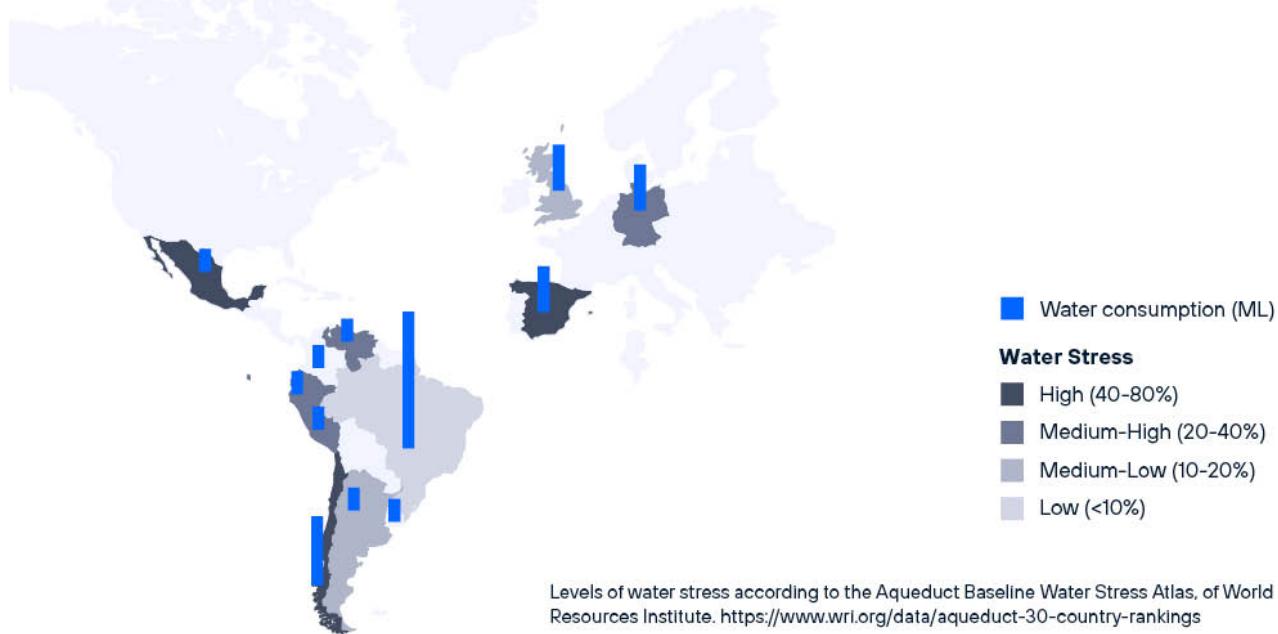
Water consumption from areas with high water stress (ML)

Water consumption in countries with high levels of water stress according to the Aqueduct Baseline Water Stress Atlas, from the World Resources Institute (Spain, Chile, and Mexico)

2019	2020	2021
806	750	765

Water consumption by Telefónica vs. water stress

We adopt specific measures to achieve more efficient consumption, especially in areas where water stress is greater



> Paper

Of the paper we consumed in our offices last year, 95% was of recycled or certified origin (FSC, from the Forest Stewardship Council, or PEFC, from the Programme of the Endorsement of Forest Certification schemes). In addition, 110 million customers chose **paperless bills**. We therefore generated over 783 million electronic bills which avoided the consumption of 3,916 tonnes of paper and the felling of almost 66,576 trees.

2.3.5.2. Suppliers

GRI 308-2

> Ecodesign and innovation

Ecodesign helps us to reduce the use of raw materials in manufacture, reduce the energy consumption of the product and avoid emissions. The main projects we are undertaking with our suppliers are the following:

Our Smart Wifi Router weighs 40% less than a conventional router because it uses fewer plastic, metals, and other elements. In this way, we reduce the **emissions** associated with the extraction of these materials and use (Scope 3), as it is more efficient: it consumes 30% less energy.

With the Half SIM Card, we have halved the amount of plastic used to manufacture SIM cards. It also represents an improvement in the **efficiency** of the logistics process, as it reduces the volume of the containers used for their transport and storage. In 2021,

this measure averted the manufacture and consumption of 190 tonnes of plastic, signifying savings of 648 tonnes of CO₂. The format has already been implemented at nine of our operations and is consolidating its position as the main format in the Group.

Life Cycle Assessment on 5G Router: thanks to the collaboration with IHOBE (the public environmental management company of the Basque Regional Government), we performed a Life Cycle Assessment (LCA) of the new 5G router model, taking as our benchmark the criteria set out in the UNE-EN ISO 14040:2006 and UNE-EN ISO 14044:2006 standards. This study made it possible to ascertain which elements of the device have a greater environmental impact in order to establish measures to **reduce** that impact by design. The criteria identified in the study will establish the conditions for the incorporation of ecodesign criteria in other devices designed by the Company. Additionally, we are currently working on a study of how repairable, recyclable, and durable the device is in order to integrate the circular economy approach even further through its design.

> Procurement using circular criteria

In 2021 we began progressively incorporating circular criteria into the acquisition of electronic equipment, using as our benchmark the criteria set out in the ITU-T L.1023 recommendation on the assessment method for circular scoring, which makes it possible to assess the **ecodesign**, the ability to be **repaired, recycled and**

upgraded and the **durability** of each electronic device procured. These criteria are currently applied in the router and B2B switch procurement process, making it possible to assess 42 products using this methodology. Our goal is for all our procurement processes of electronic equipment of our B2B/B2C customers across the entire Group to include these circularity criteria in 2025.

In addition, to foster eco-efficient procurement, in our Global Supply Chain Sustainability Policy we have environmental and circular economy criteria, such as the compulsory incorporation of preventive measures and Life Cycle Assessment (LCA) when supplying products or services to Telefónica. One example of this is the inclusion of criteria regarding elimination of single-use plastics in packaging of products and services supplied to Telefónica UK Ltd.

We promote the **reduction of GHG emissions** by our suppliers and are working with them on this challenge.



[Go to chapter 2.2. Energy and climate change](#)

2.3.5.3. Customers

One of the Sustainable Development Goals (SDGs) we would like to emphasise is the development of a sustainable consumption and production model. We are therefore developing new products and initiatives that our customers can use to reduce their environmental impact and join the challenge of the circular economy.

With our policies to extend the useful life of communication equipment through reuse, we offer our customers options such as **buy back and refurbish of mobile phones** to give them a second lease of life, allowing customers to reduce consumption of resources and energy by preventing the manufacture of new devices. Thanks to this initiative, in 2021, we collected 323,214 end-of-life mobile phones from our customers.

- Through Zeleris, a Group company, our customers in Spain can request the repair of their devices thanks to the **comprehensive repair service for electronic equipment** in warranty and out of warranty for private individuals and companies.
- **Eco Rating:** In 2021, we launched a new Eco Rating seal methodology in collaboration with four leading telecommunications companies, aimed at helping customers to make more informed and sustainable decisions, encouraging **suppliers** to reduce the environmental impact of their devices and aligning the entire telecommunications sector in improving transparency and reducing environmental impact. All this has enabled use of the seal to expand in 24 European countries and the assessment of over 160 mobile telephone models to be carried out, in collaboration with 15 telephone manufacturers. As

regards Telefónica, the new seal has been introduced in Spain, the UK, Germany, and Brazil.



- Our **Eco Smart** services have a specific chapter devoted to them, due to their importance for the management of the Company.



[Go to chapter 2.4. Digitalisation and Eco Smart services](#)

VMED O2 UNITED KINGDOM

The details of the waste indicators for VMED O2 UK from June to December 2021 are given below:

	O2 UK (mobile operation)	Virgin Media UK (fixed operation)
Total waste produced (t)	276	2,764
Total waste recycled (t)	276	2,625



MILESTONES

We made progress in ecodesign and integrated circular criteria into electronic equipment procurement.

Thanks to eco-efficiency measures, we reduced our water consumption by -2% and recycled 98% of our waste.

We are committed to reuse: we repaired and reused 4.7 million pieces of equipment, a figure which increased by 19% compared to 2020.

We implemented the new Eco Rating seal in Spain, the UK, Germany and Brazil.

2.4. Digitalisation and Eco Smart services

KEY POINTS

- Digitalisation is crucial for decarbonising other sectors of the economy, improving their efficiency and competitiveness.
- In 2021, we avoided 8.7 million tCO₂ for our customers, equivalent to the carbon absorbed by 143 million trees.
- We introduced the AENOR-verified Eco Smart label, to empower and encourage our customers to tackle their environmental challenges.

2.4.1. Vision

Having experienced two years of pandemic, we are increasingly aware of our society's fragility in the face of global threats such as climate change and how our current socio-economic model, based on a **linear system of production and consumption**, generates major **environmental problems**: depletion of natural resources, generation of waste and greenhouse gas emissions, pollution, etc. The solution lies in changing the paradigm towards a circular and decarbonised model.

Technology is crucial for **achieving a transition to a green society**. Smart assets based on IoT, for example, enable enhanced predictive maintenance and lengthen the life span of equipment. Blockchain can ensure traceability and transparency in supply chains, and 3D printers facilitate repairs by creating spare parts.

Studies by the World Economic Forum (WEF) and the Exponential Roadmap initiative, indicate that digital technologies can help reduce worldwide greenhouse gas emissions by between 15% and 35% over the next 10 years.

At Telefónica, we promote the development of such solutions to help our customers in their transition to more sustainable business models.

At Telefónica, we are committed to achieving a world in which technology contributes to protecting the planet.

2.4.2. Risks and opportunities

The global efforts of governments and companies to limit the rise of the average global temperature to 1.5°C

translate into a need for the transformation of society and the economy, towards a **low-emission, circular and planet-friendly model**. This need is expected to lead to an increased demand from our customers for technological solutions to enable their businesses to transition towards more sustainable productive models. This means that Telefónica has great potential to increase its revenue from rising sales of its Eco Smart solutions and through the development of new technological applications for these challenges.

2.4.3. Strategy and commitments

We promote digitalisation and connectivity as crucial tools for helping our customers meeting their environmental challenges.

We are working on **developing new technological solutions** to help our customers in their transition towards more sustainable business models. Many of the services we offer enable them to optimise consumption of resources such as energy and water, facilitate remote working, improve traffic planning, and air quality in cities, and foster the circular economy.

We identify the **environmental benefits that our portfolio** of products and services generate for customers through the Eco Smart label. Companies thus assimilate, in a simple manner, that digital and green transitions go hand in hand.

We offer information to **residential customers** to provide them with environmental criteria for their decision-making when purchasing, through initiatives such as the **Eco Rating** label.



[Go to chapter 2.3 Circular Economy](#)

> Eco Smart B2B products and services

Our business strategy is committed to the digital revolution and, therefore, we provide services based on connectivity, the Internet of Things (IoT), cloud, big data and 5G. Most of these are what we call Eco Smart solutions, as they promote the digital transformation of our customers.

They also generate significant environmental benefits in their production processes or daily activities, facilitating them to carry on their business more efficiently and sustainably.

For example, **IoT services** enable more efficient use of resources such as energy and water; with **big data** we are helping to improve traffic planning and air quality; and with **drone-based services and connectivity**, we can improve fire response.

Telefónica launched the Eco Smart seal to identify the environmental benefits generated by our products and services following implementation. In this way, we help our customers to incorporate **sustainability criteria into their purchasing decisions** so that they can contribute to the transition towards a more sustainable society.

The environmental benefits that are generated by our services and represented in the seal have been externally verified, by AENOR.



Telefónica Tech – the unit in charge of developing cloud, cybersecurity, IoT and big data services, many of them within the Eco Smart scheme, aims to help our B2B customers in their progress towards a more digital and sustainable world.

Connectivity

We are committed to **digitalisation as a tool for protecting the planet**. Our networks form the basis of the connectivity and other digital solutions we offer our customers. This is why our sustainability strategy focuses on transforming them to increase their capacity efficiently. This enables us to offer the best services with the least environmental impact.

Within this transformation, we have focused on fibre optics as a replacement for copper – a shift geared towards improving the capacities of our customers at a technological level while consuming 85% less energy.

It is with this same vision that we are executing the transformation at the core of the communications network, making it more sustainable through two crucial tools: consumption of renewable energy and energy efficiency.

As such, **we can offer one of the sector's most sustainable networks** from which to expand the digital economy, thereby strengthening its benefits to the environment and assisting the transition to a decarbonised society.

Based on this connectivity, we offer digital solutions such as broadband, fibre, **Digital Workplace solutions, cloud, IoT and big data solutions**.

5G connectivity

We are committed to 5G as the connectivity of the future. At present, we have activated this technology in our European markets and in Brazil. Thanks to an on-site research carried out with different vendors, we have been able to measure that 5G is up to 90% more efficient than 4G, in terms of energy consumption per unit of traffic (W/Mbps).

5G is expected to represent an unprecedented, disruptive, technological change in different economic sectors and in society over the next decade. **At Telefónica, we are already marketing 5G solutions for large companies and administrations.** The first use cases we offer based on this technology involve the incorporation of robots into industry to improve processes and operations; remote assistance for supervision, assembly or operation of assets attended remotely by expert staff; and the use of drones for inspections of critical and remote assets, stock control, supervision and control of spaces, and swift assistance, etc.

These use cases prevent travel, improve predictive maintenance, increase the efficiency of productive processes and therefore generate significant environmental benefits for our customers.

Digital Workplace

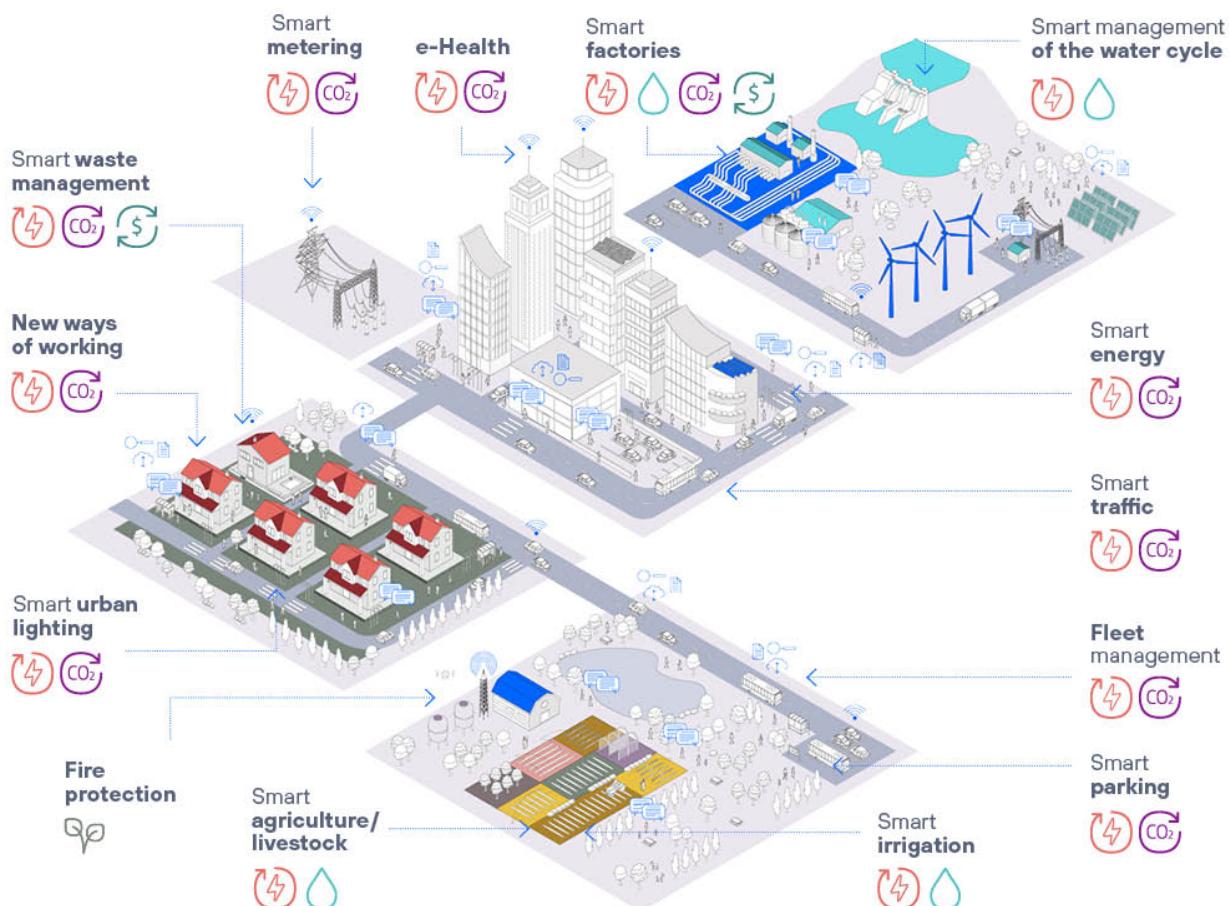
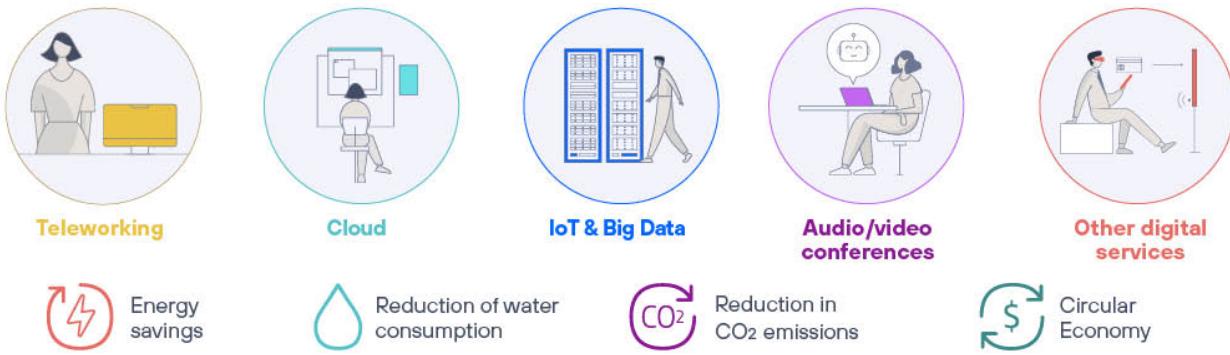
Productivity and collaboration solutions allow people inside and outside the organisation (customers, suppliers, etc.) to connect and work remotely. These solutions thus enable remote and flexible working, generating **considerable environmental benefits** by reducing travel and cutting fuel consumption and office HVAC. All this translates into lower CO₂ emissions and easing traffic on the roads, thereby helping to reduce air pollution in cities.

Cloud

Companies are increasingly relying on the cloud to carry out an endless number of processes that make them more agile, flexible, and efficient. The Cloud offers them a place to safely integrate all their networks and services, provides instant access to critical information and greater control of their business, and increases engagement among their employees.

We are committed to offering companies the solutions that best meet their needs, and therefore we have a complete portfolio of global services – enhanced through worldwide agreements with the main hyperscalers, including AWS, Google y Microsoft Azure – which enables us to offer the service each company needs, wherever they need it.

Digital solutions for environmental challenges



Our cloud services use servers hosted in data centres that meet high energy efficiency standards. The average PUE (Power Usage Effectiveness) of our main data centres in 2021 was 1.72.

As such, business migration to the cloud translates into a significant reduction in IT carbon emissions, promoting greater circularity, and fostering more sustainable products and services. It makes it possible to do more with less, leading to a **more sustainable world**.

Internet of Things (IoT), big data, artificial intelligence and blockchain

Technologies like IoT, big data, artificial intelligence and blockchain are essential to reactivate the economy of companies and organisations. They also have a significant impact on other aspects of daily life, enabling a transformation of society towards a greener model.

By combining IoT with big data and artificial intelligence, the possibilities are infinite. All the connected objects and equipment emit data in real time; by linking them with our customers' data and other external sources, the processed and analysed information makes it possible to generate great efficiencies in productive processes, reduce consumption of raw materials, decrease wastage and even extend the life span of equipment. All this can be seen in services like:

Smart meters for our customers, such as in the case of Spain and the United Kingdom, where Telefónica manages millions of connected electricity, water, and gas meters.

Solutions for smart cities, based on optimising lighting, use of parking spaces, and waste management and collection.

Energy efficiency solutions, telemetry, and remote management of energy consumption at the offices, factories or buildings of companies with large geographical dispersion, such as hotels, banks and supermarkets, among others.

Agricultural management solutions such as Smart Agro, which enables innovation, digitalisation, and data analysis for crops like coffee and cotton, with the aim of optimising resource use.

E-health solutions facilitating remote health care through mobile devices and apps that enable the monitoring of patient symptoms, prevent unnecessary trips to healthcare centres, and facilitate early detection of health problems, potentially avoiding the need for hospital admission.

Solutions for the transport sector helping to optimise planning of transport systems and infrastructure through greater understanding of passengers, timetables, and routes, thereby adapting plans to the real needs of passengers with maximum budgetary control and minimal environmental impact.

Mobility solutions, such as our fleet management and asset tracking solutions.

Solutions for retail through which our clients can improve their experience while understanding their business better and managing it more efficiently (for example with stock management and enhanced store layout).

Solutions for Industry 4.0, in which private networks (5G or LTE) and associated solutions (for example, AGV, drones, predictive maintenance, asset control and operator safety) take the manufacturing and mining industries, and the port and airport management, to a new level of operation, flexibility, productivity and efficiency.

In addition, the inclusion of the technological capacities of **blockchain** in many of the use cases mentioned above leads to improvements in traceability, transparency, and security, enabling faster and more efficient forms of doing things. Examples of this are its application in the areas of document management (for example, eliminating the use of paper when managing invoices, official certificates, contracts, and so on), and logistics (providing complete traceability of foods or medicines), in manufacturing and throughout the supply chains of all types of goods, etc.), thus boosting the circular economy.

We also look for innovative ways of using data to help develop society. Telefónica has implemented several projects in this area:

Prediction and analysis of high granularity in air pollution in cities: the use of big data on mobility data generated by the mobile network is proving to be an instrument that shows great potential and complementarity with sensors that measure air quality or traffic. Artificial intelligence techniques even make it possible to predict future pollution levels. This provides the authorities with tools to prepare contingency plans. This project was implemented as a pilot in cities like Madrid (Spain). In 2020, a platform and tool were designed to measure pollution caused by mobility through a portable measuring station in vehicles, which facilitates a much more accurate diagnosis at street level of the most problematic pollution focal points.

Using big data to reduce emissions in the livestock sector: Telefónica and the Food and Agriculture Organization of the United Nations (FAO) are working together on the 'Climate-Smart Agriculture' project in Ecuador. The aim is to provide small and medium sized farmers with information and training on how to improve the sustainability of their crops.

Targets

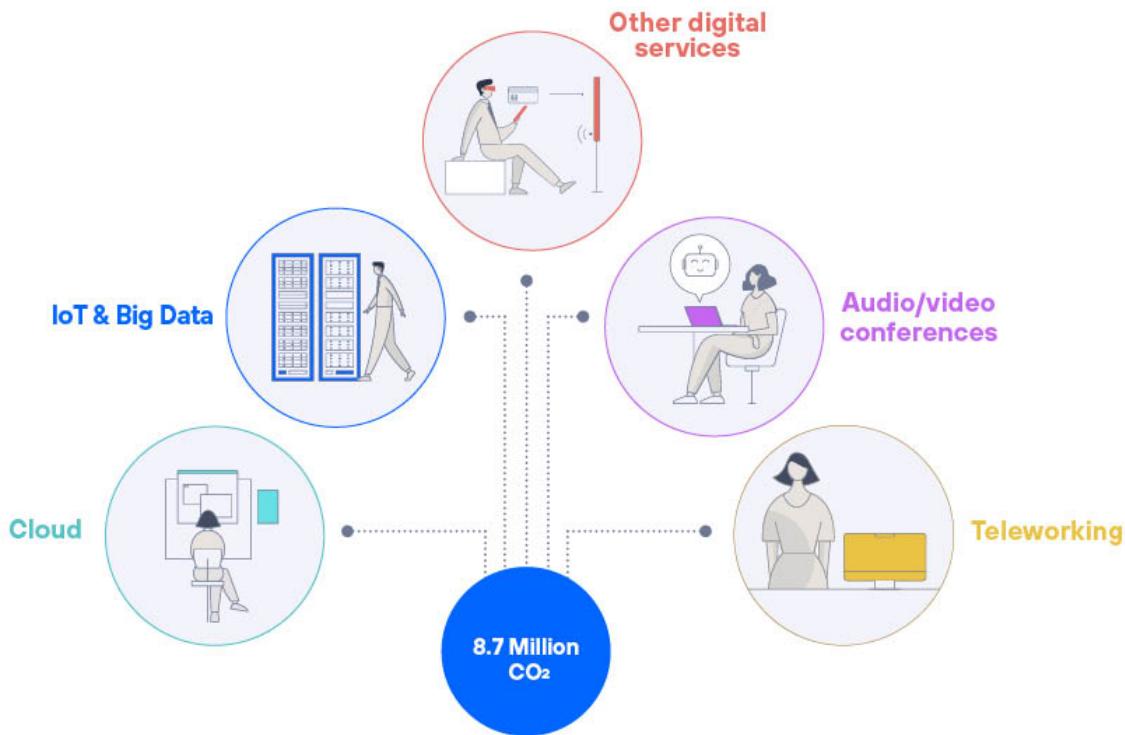
Our aim is to **avoid** the emission of **12 million tonnes of CO₂** for our customers through our products and services, each year as of 2025.

Digitalisation to decarbonise the economy

help our customers to avoid



Customers' emissions avoided through digitalisation



This figure is lower than the figure for 2020 as there were fewer lockdown measures during 2021 and, therefore, although the percentage of people working from home was high, it was not as high as in 2020.

2.4.4. Progress in 2021

Last year, we continued to roll out the Eco Smart seal: AENOR verified **52% of the services for large, medium-sized, and small companies in Spain**, confirming its environmental benefits for customers, and we extended it to Vivo in Brazil.

The emissions avoided in 2021, thanks to the efficiencies generated by our products and services for customers, exceeded 8.7 million tonnes of CO₂. This is equivalent to planting a forest with 143 million trees and shows the capacity of new technologies to accelerate the transformation of the economy into a more sustainable model.

MILESTONES

We avoided 8.7 million tonnes of CO₂ thanks to our products and services.
52% of the business services offered by Telefónica have been verified as Eco Smart.

2.5. European taxonomy for sustainable activities

KEY POINTS

- The ICT sector is one of the 6 sectors listed in the taxonomy because of its contribution to climate mitigation and adaptation.
- In this first year of taxonomic reporting, Telefónica's activities are mainly related to the decarbonisation of other sectors, which is characteristic of the telecommunications sector and its data centers.
- In line with the legal requirements, in 2022 the company will work on alignment with the stipulated criteria (compliance with the specific technical screening criteria for each activity).

2.5.1. Regulatory background

In March 2018, the European Commission presented the **Action Plan on Financing Sustainable Growth** as a roadmap to enhance the role of finance in achieving the environmental and social objectives of the European Union. One of the actions contemplated within that plan was the creation of a **European Taxonomy** establishing a common language and a clear definition of what is "sustainable". Within all this new strategic and regulatory framework, in December 2019 the European Commission presented the **Green Deal of the European Union**, to promote the necessary investments to achieve a circular, competitive and climate-neutral economy by 2050.

The **Taxonomy**, so far developed just for the environmental dimension, is a classification system that identifies a list of economic activities and outlines a number of requirements that, if met, would qualify an activity as sustainable. This way, the EU Taxonomy provides companies, investors and policy-makers more consistent information on economic activities that help achieve environmental goals. So far, two objectives have been defined: mitigation and adaptation to climate change.

For an economic **activity** to be considered "**environmentally sustainable**" according to the EU taxonomy, a distinction must be made between Taxonomy-eligibility and Taxonomy-alignment. An economic activity is considered as eligible if it is described in the related Delegated Regulation. An eligible activity is considered as aligned when it has been assessed to comply with the specific technical screening criteria

(related to substantial contribution to one of the environmental objectives and not for doing significant harm) and with the minimum safeguards. Once compliance with these criteria are justified, the activity may be considered aligned and labelled as an enabling or transitional activity, as applicable.

The taxonomy-related regulations¹ outlines several **reporting requirements** for certain undertakings. For 2021, non-financial undertaking must disclose the **proportion of the turnover (revenues), capital expenditure and operating expenditure of their eligible activities** (i.e. Taxonomy-eligible economic activities or activities covered by the taxonomy due to their potential to make a substantial contribution to the two environmental objectives: climate change mitigation and climate change adaptation. For 2022, the non-financial undertakings must also assess compliance with the technical screening criteria for reporting the **proportion of Taxonomy-aligned activities**.

As at the date of this report, a further **Delegated Regulation** is pending publication that includes the technical criteria for the four remaining environmental objectives (the sustainable use and protection of water and marine resources; the transition to a circular economy; pollution prevention and control; and the protection and restoration of biodiversity and ecosystems), along with the update of the climate Delegated Regulation.

Against this backdrop, regulatory developments and official guidelines established in **2022** will be monitored closely.

¹ Regulation (EU) 2020/852 on the establishment of a framework to facilitate sustainable investment; Delegated Regulation (EU) 2021/2139 (on climate); Delegated Regulation (EU) 2021/2178 (on disclosure).

2.5.2. Scope of the report

In applying the EU Taxonomy, Telefónica has considered the activity of **Telefónica, S.A.** and all the subsidiaries comprising the Group (fully consolidated companies).

To understand why Telefónica considers the taxonomy to be added value in its sector environment, one must only look at its **mission**

Make our world more human by connecting people's lives: aspiring to digitalise all of society, leaving no one behind, and bridging the digital divide through access, affordability, accessibility, and digital skills training. And innovating to offer products and services that add value and contribute to improving people's lives, putting technology at their service.

And its **sustainability strategy**

Telefónica believes it is its duty to take advantage of the capabilities of connectivity and digitalisation, not only to bring value to its customers, but also to help tackle major challenges, such as climate change, inequality, employability, and misinformation. It wants to:

Helping society thrive: promoting economic and social progress based on digitalisation, leaving no one behind.

Build a greener future taking advantage of the power of digitalisation to curb climate change.

Go beyond what is expected of us and take responsibility for our actions at all times in order to build trust.

Since 2010, Telefónica has based its business on **digitalisation**, promoting services such as cloud, the Internet of Things (IoT), big data, e-health, etc. With this in mind, Telefónica set up two large subsidiaries, Telefónica Tech to further develop these digital services, and Telefónica Infra to unlock the value of Telefónica's infrastructure. These can carry out all digital services, not just of Telefónica, but also of the rest of the sectors. Telefónica's digital services target all its customers (residential, corporate, public administrations, and other government or official bodies) and are not only designed to make it easier for them to use technology in their daily lives, but also to benefit the environment by reducing emissions when using these services by using the Group's infrastructure.

2.5.3. Vision and scope of the taxonomy

The **ICT sector** is covered by the taxonomy for its climate change mitigation potential. It is a significant and growing economic sector, representing 3.9% of EU value-added, 2.5% of total employment, 15.7% of all expenditures for R&D performed within the business enterprise sector (BERD), and 18.6% and 20.6% of the R&D personnel and researchers in the EU, respectively. Current estimates put ICT accounting for 8-10% of European electricity consumption and up to 4% of its carbon emissions².

An ETNO and BCG³ report quantified the **enabling potential**, measuring up to 15% of emission reductions resulting from full digitalisation (including smart cities and buildings, transportation, industry IoT and blockchain applications, and energy)³. Other studies (e.g. the Exponential Road Map) suggest that digital technologies can reach up to an additional 35% considering also indirect criteria such as changes in consumption habits over the next years⁴. The large impact of digitalisation in Europe's future decarbonisation warrants inclusion of the ICT sector among Taxonomy-eligible economic activities. The so-called '**greening by effect**' reflects how **technologies and digital solutions are indivisible** and that data transmission is required for those solutions to work.

It is precisely this effect, as an **enabling activity for the decarbonisation** of the economy, that is reflected among the taxonomy activities and, specifically, the ICT sector. Data transmission technologies such as 5G or IoT are among the solutions with potential to reduce greenhouse gas emissions.

Telefónica, in keeping with its strategy of building a greener world, has been promoting **awareness among its customers** for several years now of the environmental benefits of its products and services; e.g. by implementing the Eco Smart seal.



For further information on Eco Smart, see chapter 2.4 Digitalisation and Eco Smart services.

² COMMISSION STAFF WORKING DOCUMENT. IMPACT ASSESSMENT REPORT Accompanying the document, Commission Delegated Regulation (EU), supplementing Regulation (EU) 2020/852, of the European Parliament and of the Council, by establishing the technical screening criteria for determining the conditions under which an economic activity qualifies as contributing substantially to climate change mitigation or climate change adaptation, and for determining whether that economic activity causes no significant harm to any of the other environmental objectives (Brussels, 4.6.2021).

³ Connectivity & Beyond: How Telcos Can Accelerate a Digital Future for All. ETNO and Boston Consulting Group. March 2021.

⁴ Exponential roadmap. Scaling 36 solutions to halve emissions by 2030. Version 1.5.1. January 2020.

2.5.4. Methodology and results

2.5.4.1. Understanding the taxonomy requirements

According to article 8 of **Regulation (EU) 2020/852**, non-financial undertakings subject to application of the EU taxonomy must disclose, as provided for in Annex I of Delegated Regulation (EU) 2021/2178, the following:

proportion of Taxonomy-eligible revenues

proportion of Taxonomy-eligible capital expenditure (CapEx)

proportion of Taxonomy-eligible operating expenditure (OpEx)

explanatory information accompanying these three key performance indicators (KPIs).

Following is a description of the process for **calculating the three KPIs**, covering key aspects related to **accounting policy, compliance with Regulation (EU) 2020/852, and contextual information** of those KPIs.

The **exercise carried out by Telefónica for 2021** covered the eligibility requirements according to regulations in force and other information provided by the European Commission. This section describes mainly the criteria used by Telefónica for interpreting and applying the current regulatory framework. This exercise should be reviewed for the 2022 report, which is expected to cover the alignment requirements and consider any guidance issued by the European Commission in addition to Delegated Regulation (EU) 2021/2178 on disclosure and Delegated Regulation (EU) 2021/2139 on climate.

2.5.4.2. General considerations

Considering the **Group's consolidated financial information**, and based on the corporate management control criteria relating to revenues, CapEx and OpEx, Telefónica has identified the items of these KPIs related to its Taxonomy-eligible economic activities.

Telefónica has assessed the information for the various **operators** contribution to the Group's consolidated total. Revenues by the **rest of the companies** was not considered in the identification of Taxonomy-eligible economic activities given the nature of their activities (not covered by the taxonomy) and the relative weight on the total KPIs. Therefore, this information is included in the denominators to consider the Group's total revenues, CapEx and OpEx, but not in the numerators.

Transactions between Group companies were not considered in the calculations.

Throughout the entire process, due care was taken to **avoid double counting**

Reconciliation with the accounting information, which ensures that eliminations and adjustments made during the consolidation process are properly taken into account.

Use of consistent information sources, thereby preventing consideration of the same item in two different KPIs or twice in the same KPI.

Verification of the completeness and accuracy of the data

After assessing each of the three KPIs, the following were identified as **Taxonomy-eligible economic activities**⁵

Activities that can make a substantial contribution to **climate change mitigation**:

- Activity 8.1 Data processing, hosting and related activities
- Activity 8.2 Data-driven solutions for GHG emissions reductions.

Activities that can make a substantial contribution to **climate change adaptation**:

- Activity 8.3 Programming and broadcasting activities
- Activity 13.3 Motion picture, video and television programme production, sound recording and music publishing activities.

Given the complexity of applying the recently published - and continuously developing - regulatory framework, for the first year of application, Telefónica chose to report a **range of minimum and maximum rates of potential eligibility** of its economic activities, thereby providing high level of transparency of the analysis performed. The difference between the two corresponds to activity 8.2:

The **minimum value** factors in the development or use of ICT solutions without including the data transmission phases or the technology required to perform the transmission process. A narrowed vision of activity 8.2 is reflected in this minimum value.

The **maximum value** is also including the data transmission phase through the use of technologies such as the Internet of Things (IoT) or 5G. Therefore, we will also have information in this maximum value on the impact of telecommunications technologies on the total for this economic activity.

For each KPI, a scenario was considered where 0% of our networks is eligible, and one where 100% of data traffic on

⁵ The activities have been listed according to Annex I and II of the Commission Delegated Regulation (EU) 2021/2139 of 4 June 2021 supplementing Regulation (EU) 2020/852 of the European Parliament and of the Council by establishing the technical screening criteria for determining the conditions under which an economic activity qualifies as contributing substantially to climate change mitigation or climate change adaptation and for determining whether that economic activity causes no significant harm to any of the other environmental objectives.

our networks is eligible. Accordingly, the reported numbers are a **range between the minimum and maximum potential of data transmission**, with eligibility in the latter case understood as the potential of an activity to become Taxonomy-aligned in the future. In other words, the more digital solutions designed to reduce emissions grow, the more the traffic of our networks will be able to transmit data that reduce emissions. This alignment indicates that part of Telefónica's potential allocated year to year on these solutions. For further explanation, see the description of each KPI.

Taxonomy-eligibility reporting does not consider the assessment of technical screening criteria and, since activities 8.1 and 8.2 are included in the taxonomy as transitional and enabling activities, those activities can only be considered as "eligible-to-be-transitional" and "eligible-to-be-enabling" according to the FAQ document of 2 February 2022, on the interpretation of certain legal provisions of the Disclosures Delegated Act. Reporting for 2022 will be when Telefónica, according to prevailing regulations, should report the proportion of Taxonomy-aligned activities, assessing compliance with the technical screening criteria.

2.5.4.3. Proportion of Taxonomy-eligible revenues

This KPI shows the relative weight of **revenues derived from products or services associated with economic activities** covered by the taxonomy over total revenues (reported in the consolidated financial statements).

Telefónica has analyzed the various concepts included in its revenue model, enabling it to identify **revenues from data services** (excluding, from revenues from services, primarily revenues from handset sales and revenues derived from voice services). Revenues from **digital**

services was disaggregated. The breakdown provided by the different companies considers two categories:

Services considered **eligible** (for the potential to reduce emissions in other sectors) include:

- Most services related to the Internet of Things (IoT) such as smart cities, smart industry or smart energy and e-health.
- Cloud services.

Services considered **non-eligible** e.g. those related to information security, content, applications or advertising.

Revenues from programming and broadcasting **video and television** content were also considered eligible. Revenues from advertising and broadcasting rights has been excluded.

The scenario considering Telefónica's maximum potential of eligibility also considers as eligible the **data transmission revenues, which** includes **fixed** (mainly fibre and copper) and **mobile** (2G, 3G, 4G and 5G) **technologies**. These technologies underpin the telecommunications networks carrying the data traffic that allows application of digital capabilities to processes, products and assets to enhance efficiency and create new opportunities for value creation and are considered an integral part of the solutions. **Digitalisation** has high climate change mitigation potential in sectors where these digital capacities are applied.

As a result of applying the criteria described above, Telefónica's **sources of revenues** are therefore related to the following economic activities covered by the EU taxonomy:

Main Taxonomy-eligible activities	Telefónica activities
Activities that can make a substantial contribution to climate change mitigation	Activity 8.1 Data processing, hosting and related activities Cloud services provided to users over the Internet, allowing user data to be stored in cloud data centres
	Activity 8.2 Data-driven solutions for GHG emissions reductions Digital services related to data collection, transmission and analysis that enable the reduction of emissions arising from other activities
Activities that can make a substantial contribution to climate change adaptation	Activity 8.3 Programming and broadcasting activities Activity 13.3 Motion picture, video and television programme production, sound recording and music publishing activities Technologies included in digital solutions that support data transmission, such as 5G*
	Services relating to the production, programming and broadcasting of video and television content

(*) Considered only for the maximum value of the range.

The proportion of Taxonomy-eligible revenues for 2021 is as follows:

	Proportion of revenue (%)
MAIN TAXONOMY-ELIGIBLE ACTIVITIES	
Activity 8.1 Data processing, hosting and related activities	2.2%
Activity 8.2 Data-driven solutions for GHG emissions reductions	Between 0.8% and 43.4%
Activity 8.3 Programming and broadcasting activities / 13.3 Motion picture, video and television programme production, sound recording and music publishing activities	6%
Revenues from Taxonomy-eligible activities	Between 9.0% and 51.6%

As explained in the section on identification of sources of revenues, the economic activity corresponding to activity 8.2 of the taxonomy has been broken down into two, to distinguish between **digital services** and the **technologies** in which such digital services are embedded. If only revenues from digital services is considered, excluding technology, the proportion of Taxonomy-eligible revenues is 9.0% (minimum value of the range). But, if revenues from technologies that embed digital solutions for data transmission (mobile technologies such as 5G, 4G, 3G and 2G and fixed technologies such as fiber and copper) is also considered, then the proportion of Taxonomy-eligible revenues is 51.6% (maximum value of the range), as shown in the table above.

2.5.4.4. Proportion of Taxonomy-eligible capital expenditure (CapEx)

This indicator shows the **proportion of capital expenditure (CapEx) associated with assets or processes associated with economic activities** covered by the taxonomy.

The denominator includes **additions of property, plant and equipment and intangible assets** (equivalent to the CapEx as defined in the financial information reported by the Group). The definition of CapEx associated with the taxonomy also includes additions of rights-of-use recorded under IFRS 16, as well as additions of property, plant and equipment, intangible assets or rights of use resulting from business combinations.

The data used to calculate the indicator is sourced from the **CapEx model**, which structures operators' data as a matrix along two axes, reflecting two variables: **projects** (macro-project portfolio classified into categories) and **nature of the investment** (project subdivisions and technical components). Therefore, the scenario considering Telefónica's maximum potential of eligibility considers, as **eligible** investments related to the network, mostly **projects** related to fixed and mobile networks such as fiber, copper, 4G, 5G, 2G, 3G and investments related to:

Access (the part of the network closest to the end customer)

Infrastructure (installation of equipment and devices)

Transmission (data transmission between network nodes)

Core ("core" investment in fixed and mobile network technologies and equipment)

Capitalised CapEx relating to labour as required to install the service at the customer's premises.

The two scenarios reported are considered to be eligible CapEx relating to **data centres** (deployment, adaptation and expansion of hosting infrastructure) and **cloud**

services. Also considered eligible are investments identified in the CapEx model as part of the following projects: Internet of Things (IoT), video and television.

Non-eligible CapEx includes investments related to the purchase of hardware, licences and software, development of new applications among others.

The scenario considering Telefónica's maximum potential of eligibility also includes as CapEx investment to **acquire spectrum rights** to enable deployment of technologies in the various markets. The entire amount of this CapEx qualifies as **eligible** in this scenario and it relates to 5G, the only technology for which Telefónica has acquired spectrum in 2021.

For the acquisition of **right-of-use assets**, the criteria for considering them as eligible or non-eligible was based on the classification of the underlying assets. An asset is **eligible** in the scenario considering Telefónica maximum potential eligibility if it directly relates to network infrastructure (land, shelters, supports for antennas, distributors, etc.). Indirectly related assets (buildings, access roads, air conditioning, power lines, etc.) are non-eligible.

As a result of applying the criteria described above, Telefónica's **CapEx** is therefore related to the following economic activities covered by the EU taxonomy:

Main Taxonomy-eligible activities	Telefónica activities
Activities that can make a substantial contribution to climate change mitigation	<p>Activity 8.1 Data processing, hosting and related activities Operation and maintenance of data centres and cloud infrastructure</p> <p>Activity 8.2 Data-driven solutions for GHG emissions reductions Digital services relating to data collection, transmission and analysis that enable the reduction of emissions arising from other activities Operations of technologies embedded in digital solutions that support data transmission, such as 5G*</p> <p>Activity 8.3 Programming and broadcasting activities Activity 13.3 Motion picture, video and television programme production, sound recording and music publishing activities Acquisition of spectrum for deployment of mobile technologies embedded in digital solutions*</p>
Activities that can make a substantial contribution to climate change adaptation	Services relating to the programming and broadcast of television content

(*) Considered only for the maximum value of the range.

The proportion of Taxonomy-eligible CapEx for 2021 is as follows:

MAIN TAXONOMY-ELIGIBLE ACTIVITIES	Proportion of CapEx (%)
Activity 8.1 Data processing, hosting and related activities	0.1%
Activity 8.2 Data-driven solutions for GHG emissions reductions	Between 0.01% and 66.3%*
Activity 8.3 Programming and broadcasting activities / 13.3 Motion picture, video and television programme production, sound recording and music publishing activities	1.2 %
CapEx from Taxonomy-eligible activities	Between 1.31% and 67.6%

* Considering the CapEx denominator, the proportion of CapEx associated with individual measures that could reduce emissions (e.g. management of energy efficiency or installation of renewable energies) is close to zero. For further information see section 2.2 Energy and climate change.

As with revenue, CapEx corresponding to activity 8.2 of the taxonomy has been broken down into two, to distinguish between **digital services** and the **technologies** in which such digital services are embedded (including, in this case, the acquisition of spectrum). If only CapEx associated with digital services is considered, the proportion of Taxonomy-eligible CapEx is 1.3% (minimum value of the range). But if CapEx from technologies that embed digital solutions for data transmission (mobile and fixed technologies) is also considered, then the proportion of Taxonomy-eligible CapEx is 67.6% (maximum value of the range), as shown in the table above.

2.5.4.5. Proportion of Taxonomy-eligible operating expenditure (OpEx)

This indicator shows the **proportion of operating expenditure (OpEx) associated with the economic activities** covered by the taxonomy.

The denominator includes **direct non-capitalised costs** that relate to **short-term leases, maintenance and repairs**, and any other direct expenditures relating to the **day-to-day servicing of assets of property, plant and equipment** that are necessary to ensure the continued and effective functioning of such assets.

The OpEx data used to calculate the indicator is sourced from the **expense model**, which structures operators' data by the nature of related expense. Assessing all OpEx items, relevant expenditure considered for the denominator includes **network expenses**, excluding non-eligible items, such as the expense of buying energy for technical facilities.

The numerator in the scenario considering Telefónica's maximum eligibility considers as **eligible** the **network expenses related to maintenance of current infrastructure** (e.g. the fixed and mobile access network, transmission and switching equipment, and remote monitoring and control of indicators and service levels for network resources and equipment). It excludes items

such as expenses related to the technical call center or logistics related to customer equipment management.

Also considered as **eligible** were expenses related to **lease or rental** of sites, technical facilities, satellite capacity or transmission capacity through links and circuits.

As a result of applying the criteria described above, Telefónica's **operating expenses** are therefore related to the following economic activity covered by the European taxonomy:

Main Taxonomy-eligible activities

Activities that can make a substantial contribution to climate change mitigation

Activity 8.2 Data-driven solutions for GHG emissions reductions

Telefónica activities

Maintenance of technologies embedded in digital solutions that support data transmission, such as 5G*

(*) Considered only for the maximum value of the range.

The proportion of Taxonomy-eligible OpEx for 2021 is as follows:

	Proportion of OpEx (%)
MAIN TAXONOMY-ELIGIBLE ACTIVITIES	
Activity 8.2 Data-driven solutions for GHG emissions reductions	Between 0% and 77.3%
OpEx from Taxonomy-eligible activities	Between 0% and 77.3%

As with revenue and CapEx, the OpEx corresponding to activity 8.2 of the taxonomy covers data transmission **technologies** in which digital services are embedded. If only expenses associated with these technologies are considered, the proportion of Taxonomy-eligible OpEx is close to 0% (minimum value of range). But, if OpEx from technologies that embed digital solutions for data transmission (mobile and fixed technologies) is also considered, then the proportion of Taxonomy-eligible OpEx is 77.3% (maximum value of the range), as shown in the table above.



Helping society thrive

2.6. Human capital

GRI 103

KEY POINTS

- Our eNPS indicator exceeded 67% in 2021, demonstrating growing levels of employee engagement and job satisfaction.
- We continue to make progress in developing competencies for the future, with more than 70% of our employees in upskilling and reskilling programmes.
- Bloomberg has included us for the fifth year running in the Gender Equality Index for our commitment and progress in gender equality.

2.6.1. Vision

With people at the centre of our strategy, we are convinced that maximising the potential of employees and increasing their motivation are the enablers of change and sustainable growth.

Our vision of people management is based on two pillars: team strength and a growth mindset. Through a strength of our teams, we are focusing on transforming the organisation, creating more agile structures, and fostering new ways of working to increase the impact of our teams. Through a growth mindset, we focus on developing the skills we need in the future through ongoing learning, self-development, and mobility.

To continue building the Company we want in the coming years, it is vital to empower and connect these two pillars, connecting our diverse talent with flexible and agile ways of working and a personal growth mindset.

2.6.2. Governance

The strategic lines of global talent management and the applicable targets are set by the **Global Human Resources Committee**. Consisting of the heads of the People Area of Telefónica's main operators and regions, it meets on a monthly basis.

Global Executive Committee: this is where key aspects of global employee management are analysed and monitored, from skills and critical talent for the future to Telefónica's remuneration and organisational strategy.

In addition, People issues are regularly reported to three committees of our Board:

Quality and Sustainability Committee once a year, the objectives and monitoring of performance in the

aspects of Talent Management and Diversity aligned with the Group's ESG strategy are presented by both the corporate People Area and the CEOs of the operators.

Appointments, Remuneration and Corporate Governance Committee: among other functions, this committee verifies and supervises appointments and remuneration of the Chairman of the Board of Directors, as well as the executive directors and the senior management of the Company.

Audit and Control Committee: reviews the control of the Company's risks, including those related to human capital.

In addition, we have **specific bodies and figures for the management of our diversity strategy**.



For more information, see section 2.6.5.2. Diversity and inclusion.

> Labour relations. Social dialogue

GRI 103, 403-4, 404-2, 407-1

At Telefónica, we are committed to the core standards of the International Labour Organization (ILO), particularly with regard to freedom of association and the right to collective bargaining in all the companies in the countries in which we operate.

We ensure that **worker representatives** receive fair treatment that is free of discrimination and that they have all the facilities to be able to perform their representative duties. 100% of Telefónica's employees are covered by a labour framework that regulates their working conditions. In addition, all collective agreements include occupational health and safety clauses adapted to local legislation.

Trade union activity

As a company, we reaffirm the important role played by trade unions in defending the interests of workers and we recognise the UNI (Global Union) and the European Works Council as key partners in worldwide labour management.

In the same way, at local level, we understand that management of Works Councils is guided through policies and rules established by their legal entity and therefore the procedures to report, consult and negotiate have different meanings, but are always in line with Telefónica's guiding principles.

Maintaining a **neutral position** with regard to trade union activity is essential to ensure a free, open environment which allows rights of association to be exercised. If workers wish to become members of a trade union, Telefónica will recognise trade unions which meet the conditions set by ILO Convention 87, and always in accordance with local legislation.

Voluntary redundancy scheme

In order to adapt our workforce to the needs of the business, 2021 saw the culmination of several voluntary redundancy schemes. All of them are based on the premise of being voluntary, universal, and non-discriminatory.

In Latin American countries, the voluntary redundancy plan known as the Plan de Desvinculación Voluntaria (PDV) was launched, and a total of 2,737 people took part in the scheme; 50% of this total corresponds to our operation in Argentina.

In Telefónica Spain, and as part of the Social Pact for Employment signed by the Company and supported by the main trade unions, an Individual Suspension Plan (PSI from its Spanish initials) was approved for 2022. This will allow the size of the workforce to be adjusted to the new reality of the Company, as well as balancing the activities carried out, thus becoming a fundamental lever in the transformation process.

The Individual Suspension Plan (PSI) was aimed at employees born in 1967 or earlier who have been with the company for at least 15 years. The adherence rate in relation to the maximum amount of departures authorized in the plan was 77,4%. A differential element with respect to other measures in our business environment is that these are socially responsible plans since they do not involve any cost to the state treasury.

2.6.3. Policies

A large part of our internal rules and policies relate to human capital. The most important are the following:

Regulations of the Appointments, Remuneration and Corporate Governance Committee.

The Policy on Appointments and Removal of Executives guarantees transparency and meritocracy in recruiting and promoting executive talent.

Telefónica, S.A.'s Directors' Remuneration Policy: aligned with the Company's long-term strategy and the interests of its stakeholders, it complies with best practices in good governance.

Agreement on the right to digital disconnection: signed in 2019 with the most representative trade unions in the different countries where we are present.

The Global Diversity and Inclusion Policy, updated in 2021, guarantees equal opportunities and non-discriminatory, fair and impartial treatment of people in all areas of our Company, without prejudice associated with nationality, ethnic origin, skin colour, marital status, family responsibility, religion, age, disability, social status, political opinion, HIV or health status, gender, sex, sexual orientation, gender identity or expression.

The Diversity Policy with regard to the Board of Directors and the Appointment of Directors: this ensures that proposals to appoint or re-elect Directors are based on a prior analysis of the competencies required by the Board of Directors, favouring diversity of knowledge, experience, age and gender.

The Supply Chain Sustainability Policy: this lays down the supplier's obligation not to discriminate against any sort of group in its hiring, training, and promotion policies.

Global Policy on Occupational Health, Safety and Well-being of the Telefónica Group.

Global Human Rights Policy: this sets out the Company's commitment against forced labour, slavery and child labour. It also promotes diversity, inclusion and equal opportunities, freedom of association and health and safety at work. See our policies on the Telefónica website / Sustainability-Innovation/ How-We-Work/ Business-Principles/

2.6.4. Risks and opportunities

The main challenges we face in human capital management stem from the **rapid digital transformation** in which we are immersed, reflected in the world of work. The technological revolution, automation and artificial intelligence require new capabilities. Therefore, we need to attract and retain highly qualified professionals as well as develop the necessary in-house skills.

We have the opportunity to be a pioneer in implementing **new flexible working models** and to play an essential role in defining the professional profiles of the future, capable of adapting to new situations with great versatility. With innovation, we can reduce inequalities, create jobs, and help make the future more sustainable, fair, inclusive and competitive.

We could not lead the digital revolution without having the best talent, ensuring that all people, without exception, thrive in an **inclusive work environment**. This also allows us to empathise better with our customers and reflect their diversity in our commercial value proposition.

These challenges are included in Telefónica's Risk Management Model as emerging risks in the People area:



[Go to chapter 3.1. Risk management and control model](#)

2.6.5. Strategy and commitments

Telefónica's people strategy aims to transform and adapt our teams to the context of permanent change in which we find ourselves, evolving the way we work to increase the impact of our teams and maximising our internal capabilities.

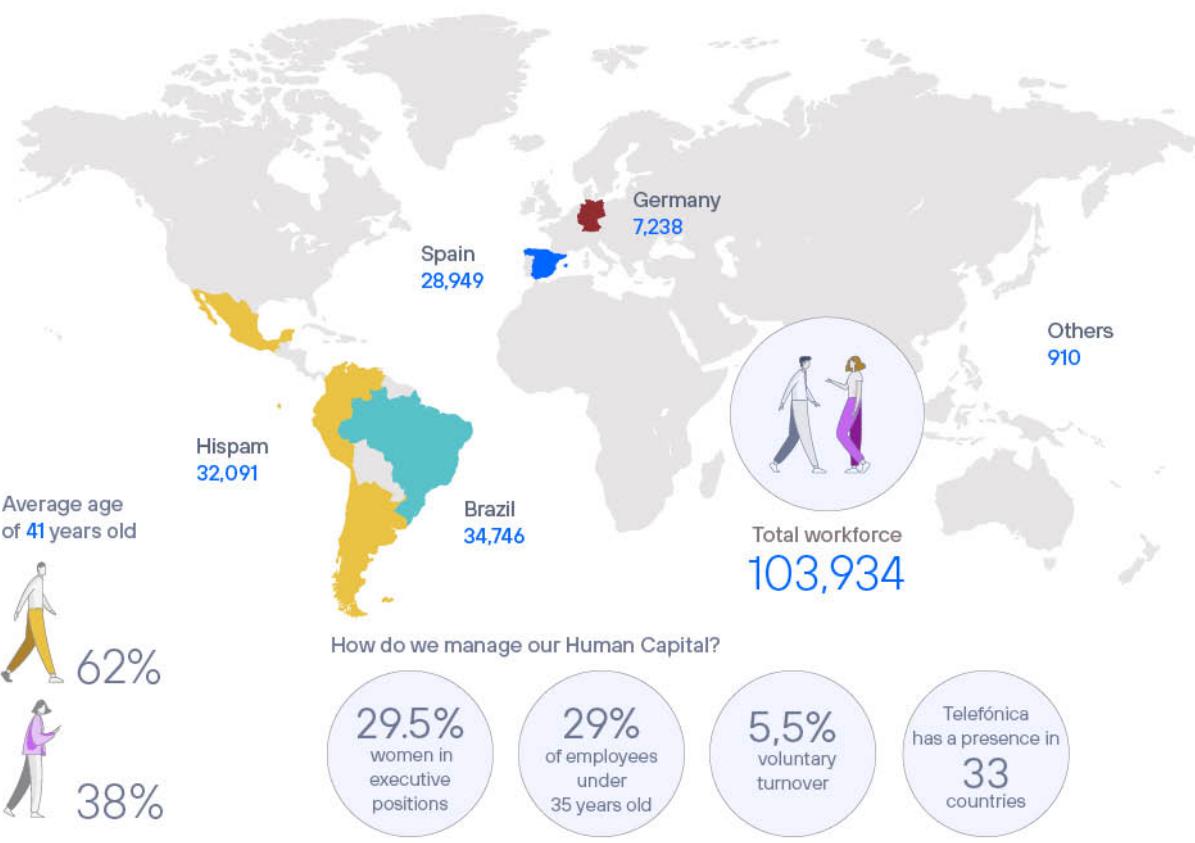
In this respect, our main lines of action are focused on:

Attraction, retention, and skills development: we are driving continuous learning by orienting our training and development policies towards **massive reskilling and upskilling** programmes on the one hand, and managing talent using a skills-based model on the other, including leadership skills.

We promote diversity and inclusion by fostering an inclusive work culture and leadership style with the aim of ensuring a working environment in which all people can give their best and develop on a level playing field.

New ways of working. We are **redefining our ways of working so they are more agile, digital, flexible, and collaborative** to increase the engagement, satisfaction, well-being and productivity of our teams.

Safety, health, and well-being at work, understood as a concept that encompasses both physical and emotional well-being, are also part of our model.



Targets

33% of executive positions held by women in 2024. The fulfilment of this target is linked to the variable remuneration of our employees and the attraction of sustainable financing



[Go to chapter 1.7. Sustainable finance](#)

Achieve an adjusted gender pay gap of +/-1% in 2024.

Eliminate the gender pay gap in 2050. Refers to the gross gender pay gap.

Gender parity in the Company's highest governance bodies in 2030. Applicable to the management committees of the main operators and to the Board of

Directors. Parity defined as no more than 60% and no less than 40% representation of each gender.

Be part of Bloomberg Gender Equality index each year.

Work towards the integration of people with disabilities in the workplace (commitments made in The Valuable 500) in 2024.

50% of the workforce in skilling programmes each year.

100% of eligible workers (those whose activity can be carried out remotely) in hybrid work in 2024.

Reach an Employee Net Promoter Score (eNPS) score of 60% at least.

2.6.5.1. Attraction, retention and professional development

GRI 103, 404-1, 404-2

Careers have moved from being vertical and stable to more cross-cutting and flexible, so that development is no longer conditioned by our current job, but by what we want to become in the future.

Our Skills Workforce Planning process seeks to ensure alignment between the skills we have in the organisation and those we need, in order to grow our businesses, enabling us to make the right decisions to close the skills gap. We are therefore firmly committed to internal development of new skills we need, combined with incorporation of external talent.

For **talent recruitment**, in addition to traditional mechanisms, we are committed to using new channels to ensure incorporation of appropriate profiles in a more global, digital, and efficient way, establish a long-term relationship with candidates and simplify our selection processes. Specifically, we have a very active presence in digital job fairs, forums, employability round tables, social media, and universities with technological specialities.

For **internal skills development**, we are promoting massive reskilling and upskilling programmes that develop critical skills for our business and improve employability. We are also evolving the learning model to use artificial intelligence engines to personalise and adapt the training offer to the preferences of each professional (learning on demand).

The situation arising from the COVID-19 pandemic has presented us with an opportunity to accelerate the **digitalisation of learning**. Thus, we offer our employees a much **larger number of training programmes, in digital or hybrid formats**. The shift towards mostly digital training means they are shorter in duration than in the past, but more **tailored and focused** to their needs. Examples of these programmes are video formats, podcasts, video games, interviews, roleplay sessions and articles adapted to the needs of each person in skills of their choice.

One of the key elements of our skills development model is **SkillsBank**, a software tool developed internally using big data and artificial intelligence that helps us to know in real time what skills are active in our organisation. SkillsBank incorporates recommendations for employees of positions that best match our/their skills and training content based on our/their preferences and motivations.

For the **development of new skills**, we also encourage **geographic and functional mobility**, which is a key aspect of talent retention. We therefore foster an open and innovative environment that facilitates the matching of our employees' interests and backgrounds with real

opportunities that maximise learning and movement into the roles of the future.

Universitas Telefónica

Telefónica's development offer combines **technical and human skills**. Universitas Telefónica presents a complete range of online training actions, open to our professionals, to accelerate the transformation and adoption of new ways of working and leadership, aligning priorities and nurturing a single culture throughout the Company by empowering employees.

Its technological evolution, together with the opening of a new physical campus at the Company's headquarters, equipped with face-to-face, virtual and hybrid executive education facilities, will enable us to offer, by early 2022, a personalised, ordered and on-demand proposal, ensuring the greatest possible impact.

With all these actions we hope to achieve the goal that more than 50% of employees take part in skilling programmes and actions each year.

> **Commitment and motivation of our employees**
The commitment of our professionals has always been high on Telefónica's agenda. For several years now, we have been measuring this through the employee Net Promoter Score (eNPS), which indicates the degree to which the Company's employees recommend the organisation by answering the question:

How likely would you be to recommend your company to people close to you as a good place to work? (1=Definitely would not recommend, 10=Definitely would recommend).

This procedure aligns ourselves with the customer satisfaction measurement, using the same logic as the Net Promoter Score, (those who award scores of between 9 and 10) minus the percentage of detractors (those who award scores from 1 to 6).

This result is calculated directly for each country and weighted by the number of local employees to give the overall figure. In 2021, we achieved a result of 67% which is an improvement of 2 percentage points on the 2020 result.

A result above 40% is considered excellent and we are part of the select group of companies that are above 60%.

Our challenge now is to keep increasing our professionals' pride in belonging to our Company, in the conviction that their motivation is the multiplier factor driving these results.

In addition to this annual measurement, we conduct various internal listening exercises in each of our operations, such as opinion surveys as well as regular engagement pulses to gauge the commitment level.

This is complemented by performance appraisals, exit interviews, incident tracking and whistleblowing channels.

Formula for calculating the eNPS



> Culture of recognition: Valuable People

This programme aims to promote a culture of meritocracy through personal recognition by leaders towards employees and among employees themselves, giving visibility to those individuals and teams that stand out both for their differential contribution and their day-to-day behaviour. It also recognises 'social volunteers or volunteer teams' for their extraordinary contribution to a social cause or in an emergency or humanitarian crisis.

During 2021, we adapted the badges to the new brand and created new ones, such as Leadership, Positive and Exceptional Work.

In total, we recorded around 53,854 awards to colleagues and teams, showing that recognition remains in Telefónica's DNA and we will continue to promote it to connect talent.

> Recognising effort: remuneration policy

GRI 103, 102-35, 102-36, 102-37, 404-3

Telefónica's remuneration strategy is characterised by its competitive and demanding nature, and its main focus is to attract, retain and motivate the Company's professionals, so that it can meet its strategic objectives within the highly competitive and globalised framework in which it operates, fostering the generation of long-term value in a sustainable manner for its shareholders.

We encourage **growth** of our team through the variable remuneration, increasing operating income and return on investment for shareholders, as well as **efficiency** through improving our OIBDA margin and generating free cash flow. Telefónica is also a company that is fully committed to **sustainability** therefore, from 2019, factors such as customer trust, the trust of society at large,

diversity and contributing to the fight against climate change, have been given weighting in the variable remuneration of our entire team.

Telefónica offers a **competitive and fair remuneration package** which can be made up of fixed components, short- and long-term variables, as well as remuneration in kind and other social benefits, adapted to the local practices in the markets where it operates, allowing for customisation and tax efficiency through flexible compensation plans. For example, health insurance, social well-being systems, life insurance, childcare assistance (including day-care services) and food assistance, among others. All these benefits are also part of the family planning aids that the Company makes available to employees.

Telefónica is a company that **fosters meritocracy** and **equal opportunities**. Therefore, a significant part of the total remuneration for professionals is on a variable basis and payment is linked to achieving financial, business, value creation and sustainability targets. These objectives must be concrete, measurable, and aligned with the Company's strategic plan.

Telefónica's professionals are remunerated **consistently** according to the level of responsibility, leadership, and performance with the organisation. To meet this premise, we ensure that we do not discriminate on the basis of gender, age, origin, sexual orientation, and identity, religion or race, in the application of remuneration practices and policies.

To favour the retention and motivation of key professionals and attraction of the best talent, the emotional salary is also relevant, expressed through new ways of working, work-life balance, a firm commitment to learning and professional development, and a culture of commitment and recognition of our employees.

Similarly, Telefónica is committed to ensuring that the salaries of all its employees exceed, in any case, what is considered to be the 'living wage', which not only covers basic needs but also guarantees a good quality of life in each of the countries in which the Group operates, and is committed to maintaining decent remuneration packages that exceed this threshold.

In relation to our Board of Directors, we have a Remuneration Policy for the Directors of Telefónica, S.A., which ensures compliance with best practices in matters of good governance.



[Go to chapter 5.1. Annual Report on Remuneration](#)

> Performance reviews

GRI 404-3

Telefónica has a worldwide performance review process for all the employees of the Group. This process is equal for all and the same timetable, guidelines and tools are shared. Although the process is coordinated globally, it's managed locally to adapt better to business needs.

This process is aimed at all Group employees who are outside the agreement, around 72% of the workforce.

> Outplacement programs

Since the beginning of 2016, we have had an outplacement service to help relocate employees who leave the Company as a result of redundancy or by joining one of the mutually agreed termination programs launched at certain times.

For six months, we offer:

Individual work sessions.

Group sessions and workshops.

A technological platform to find new opportunities.

The main purpose of all these actions is to help employees to find new opportunities in other companies or in their own businesses.

Progress in 2021

The global skills identification platform, SkillsBank, was rolled out to more than 90,000 employees and more than 35,000 employees have already uploaded their profiles.

In 2021, our professionals completed more than **1.3 million courses**, with an average of 13 courses per employee, and an average of 39 hours of training per employee. It is important to note that almost all of our training offer has been digitalised, from 30% of virtual activities in 2019, to 92% today, which means less training in terms of hours but more targeted in terms of impact and relevance.

Universitas Telefónica, as a human skills factory, provided content on personal leadership, team leadership, strategy, and business vision, reaching **more than 15,000 people in 2021**. The change of method at Universitas has been accompanied by a notable increase in satisfaction with all the training deployed (from 8.2 in 2019 to 8.58 at present).

During 2021, 70% of employees invested in the acquisition and development of new abilities needed for the future in different skilling programmes (Reskilling/Upskilling), among which we can highlight:

In Spain, the largest Sales Network Transformation and Certification programme in the B2B environment, in which more than 3,000 professionals participated (Key Account, Medium and Customer Engineering sales representatives and team managers) with the aim of boosting IT capabilities and consolidating ourselves as the best partners for our customers in their Digital Transformation process.

In Brazil, we launched the new Vivo Explore learning platform to promote a **culture of learning** and knowledge sharing among the company's 33,000 employees, offering training around technology and digital services, creativity and innovation, wellness, self-care, and personal leadership. More than 89% of the workforce was registered and participating in development actions in 2021.

In Germany, the Digital Basics programme was launched to provide the entire workforce with an insight into the main **key topics of digital transformation**: analytics and data science, cloud computing, cybersecurity and data protection, Internet of Things (IoT), Agile, human-centred design or digital ethics. 46% of employees have participated in the programme.

In 2021, we encouraged mobility between the different areas of Telefónica so that 6,422 employees found new professional opportunities within the Group.

In the latest 2020 performance appraisal, conducted between March 2020 and March 2021, we found 74,844 **employees eligible** for the process and already registered in the Success Factors tool. Of these employees, 62% completed the process successfully.

The results obtained are very positive, not only in terms of numbers but also the quality of the conversations that take place between employees and their managers.

In addition, during 2021, the tool was upgraded improving the reporting systems and including information relating to employee gender and job category, by breaking down the detail of performance appraisal data.

Awards

Telefónica was awarded Best Employer Brand in 2021 by LinkedIn Talent Awards, consolidating the Company as a powerful employer brand within the technology sector and digital world.



We also ranked third in LinkedIn's Top 25 Companies in Spain, which for the first time included a ranking of the best companies to work for.

SAP Quality Awards 2021 also recognised us as a finalist in the Innovation category for the Skilling Program project.

2.6.5.2. Diversity and inclusion

GRI 102-15, 103, 405-1

At Telefónica, we incorporate diversity and inclusion management as a cross-cutting element of our strategy. Diversity, in addition to responding to principles of social justice, helps us to achieve better business results. We therefore design **initiatives** aimed at fostering a diverse workforce and promoting an organisational culture of equity, plurality, and inclusion, where the unique skills, abilities and ways of thinking of our employees help us make the best decisions for the business.

Diversity management helps us to attract and retain high-potential professionals, to get the best out of our employees, empathise with our customers and innovate.

Governance

We have a structure of internal bodies and figures that evaluate and monitor progress on equality, diversity, and inclusion. These bodies also monitor compliance with performance indicators and alignment with strategic objectives and ensure the involvement of senior management.

Global Diversity Council: made up of top-level executives, its purpose is to implement and monitor the Company's diversity strategy.

Transparency Committee: made up of the Chairman and four executives, it ensures the presence of both genders in the shortlists for the selection processes.

Chief Diversity Officer: supports the Board and the People department.

Diversity Champions: they act as internal change agents in all areas of the Company.

Monitoring Committees for local Equality Plans.

> Committed to equal opportunities

The Global Diversity and Inclusion Policy promotes equality of treatment and opportunities between men and women, as well as between all the demographic groups present in the Company.

The Policy's priority is to pursue the objective of creating working conditions and environments free of harassment, both in an in-person and digital work environment, and establishes specific procedures for its prevention. At the local level, equality plans establish action protocols aimed at preventing and combating any moral, sexual or gender-based harassment at work.

In addition, the **whistleblower channel** allows all employees and stakeholders to report, anonymously or personally, if they experience any form of discrimination. A total of 955 complaints were received in 2021, of which 389 were found to be substantiated. Among these, only about 1% were for harassment at work, sexual harassment and/or discrimination. Once analysed, the confirmed cases of discrimination were 0 and, therefore, there were no disciplinary measures or terminations due to discrimination. The total number of substantiated complaints resulted in 152 terminations of employment contracts.



[Go to chapter 2.12. Ethics and compliance](#)

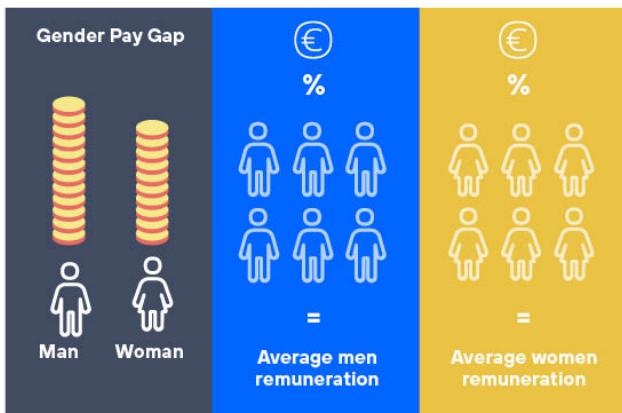
Beyond our local policies and plans, in all our operations we ensure the presence of both genders in final shortlists of candidates for internal and external recruitment processes for executive positions. The aforementioned Transparency Committee monitors compliance with this rule.

> Committed to pay equity: closing the pay gap

Telefónica not only promotes **equal treatment and opportunities** for men and women, but also reinforces the **application of the principle of equal pay** for equal work or work of equal value, i.e. equal pay for equal work regardless of the gender of the employee.

In order to offer clear and transparent communication, we conduct detailed analyses of gender pay data within the Group in order to identify possible inequalities and establish measures to correct them. We do this by considering all items related to salary, benefits and other short- and long-term incentives, i.e. all payments received by the employee during the year.

Salary inequalities or differences, often known as gender pay gaps, are based on a comparison between the average total pay of men versus the average total pay of women in the workforce.



In making this comparison, the most important thing to understand is the way the comparison is made, what items are included and how the difference between the average total pay of men and women is measured.

$$\text{Pay gap} = \frac{\text{average men remuneration} - \text{average women remuneration}}{\text{average men remuneration}}$$

If we only compare the average total pay, without taking into account factors other than gender, we are talking about the **gross pay gap**. When, in addition to gender, it takes into account country, legal entity, professional category, functional area in which each employee works, seniority and working time pattern (full-time or part-time), then we are talking about an **adjusted pay gap**. This concept brings us closer to pay equity: equal pay for jobs of equal value.

The result of this comparison between average total pay of men versus average total pay of women is much more than a number, it provides us with information at all levels. We not only analyse wage information but also the socio-economic situation, labour structure, challenges, and business stakes. This is information that helps us to implement measures to close the gap and drive projects forward.

The main reasons for the gender pay gap are very diverse and depend on the country, the nature of the business and the history of the Company. Of these, the most common are:

Higher proportion of men overall and in leadership and income-generating positions in the telecommunications sector. In 2015, we had 19% women in executive positions and in 2021, 30.4% (including UK) and 29.5% (excluding the UK operation). The number of women in revenue-generating positions in the Company in 2021 was 38%.

Higher proportion of women on reduced working time: six out of 10 employees on reduced working time are women. To reverse this situation, new models of flexible working can serve as a lever for improvement



For more information, see section 2.6.5.3. New ways of working

Low presence of women in STEM (Science, Technology, Engineering and Mathematics) careers. We have therefore implemented various initiatives to foster and promote improved access by women and young people to these courses. Currently, 20% of the Company's STEM positions are held by women.

Understanding the reasons behind the data allows us to guide the strategy and implementation of initiatives that guarantee equal opportunities for all, ultimately leading to the closing of the pay gap.

> Programmes and actions to promote diversity and inclusion

To support our talent management policies, at Telefónica we implement a variety of actions, plans, and programmes which deal with specific issues.

Accordingly, we encourage the recruitment of **female talent**, young talent and/or talented people with disabilities through the "Talentum" grants. We have therefore launched internship programmes exclusively for women, with a heavy technical component. In addition, we develop career acceleration and visibility enhancement programmes for female employees, which aim to train them in leadership skills and enrich their network of contacts.

In the case of **people with disabilities**, we promote their integration by implementing employability programmes with training and internships in the Company. In parallel, we provide the necessary tools to remove barriers. In addition, we offer resources to facilitate teamwork, such as the guide, 'Disability at Work: Everyone's Responsibility'. Access the guide on the Telefónica website at Talent / Diversity and Inclusion.

At the same time, we work to ensure the accessibility of our facilities, communication channels, products, and services.



Go to chapter 2.7. Digital inclusion

In terms of **generational diversity**, we have programmes for the development of talent and the empowerment of young professionals selected for their high contribution and projection. In addition, we have launched initiatives to promote employability of over 50s.

In the area of **racial and ethnic diversity**, we are committed to implementing initiatives to promote ethnic minority leadership. In addition, in those geographies where legislation is favourable, we monitor the racial pay gap and accompany this report with plans for its reduction.

We are also committed to ensuring that our **LGBT+ employees** work in safe environments where they feel comfortable and give their best. In this respect, we have specific initiatives to promote the attraction, development, and well-being of transgender people.

In addition to promoting the development of our employees, we have implemented actions that have an impact on their families and immediate environment:

In the LGBT+ area, we offer specific benefits for LGBT+ couples and parents that go beyond the legal requirements.

In the area of disability, Telefónica has ATAM, a private social protection system for the families of Telefónica employees with disabilities and dependency. The association offers comprehensive expert advice and direct financial support.

Additionally, in relation to our **supply chain**, we include diversity criteria in the assessment of our high-risk suppliers through the EcoVadis tool.



Go to chapter 2.16. Responsible supply chain management

> Awareness-raising and affinity groups

The value of differences, awareness of unconscious bias and prejudice, and the importance of inclusive leadership are some of the issues we address during our workshops, manuals, and online courses. In addition, we have conducted mandatory diversity workshops for members of the Board of Directors.

In addition, we have **affinity groups** for LGBT+ employees, employees with disabilities, employees of different races or ethnicities, young people, and women. These groups, as well as giving visibility to their members, have an important responsibility to raise awareness and sensitise the workforce as a whole.

We assume our responsibility as a social benchmark

At Telefónica, we want to help build a more equal, diverse, and inclusive world, supported by technology. That is why we encourage women to take up STEM careers and entrepreneurship. One example is Scale Up Women, a space dedicated to enabling women entrepreneurs to improve their network of contacts and seek new business opportunities.

> Alliances

In line with our commitment, we have joined different global initiatives which seek to promote the economic and social empowerment of diverse demographic groups, particularly in the workplace, such as:

GSMA principles for advancing digital inclusion for people with disabilities.

The Valuable 500 initiative, through which we made four concrete commitments to strengthen the weight of disability on the global agenda.

The UN standards of conduct for business to protect the rights of LGBT+ people.

The ClosinGap group of companies to reduce the gender gap in Spain.

In Brazil, Argentina, Ecuador and Colombia, the initiative, "Women's Empowerment Principles", prepared by UN Women and the United Nations Global Compact.

Progress on diversity in 2021

In May 2021, our Board of Directors approved the second edition of the **Diversity and Inclusion Policy**. It maintains the objective of ensuring a free of prejudices management style, but with a more holistic and transversal vision of diversity.

In relation to the fulfilment of corporate objectives, in 2021 we managed to increase the percentage of women in executive positions by two points, reaching 29.5% of executive women (which rises to 30.4% including the UK). The continued growth of this percentage, which accelerated in 2021, is bringing us closer to meeting our target of 33% in 2024.

At the same time, we exceeded a 30% female presence on our Board of Directors, reaching 33.3% in 2021.

With the aim of promoting equality at all hierarchical levels and closing the gender pay gap, in 2021 we developed different actions to accelerate the careers of our female employees, develop the pipeline of pre-executive talent and attract female talent. Some examples:

Women in Leadership, a programme to accelerate professional careers and increase visibility aimed at pre-executive staff, whose objective is to provide training in leadership and enrich the network of contacts. It also has a mentoring programme at the end of the course. Approximately 130 women participate in it.

Empowering Women, which is aimed at all the women in the Company and explores female leadership and the key issues and barriers faced by women who want to

lead. Approximately 1,000 women participated in it during its first year of existence.

Internship programmes exclusively for women, with a notable technical component. In Germany, the Woman in Data programme enabled us to train 50 women data analysts.

Regarding the pay gap, the analysis in 2021 shows that the gross **pay gap** was 21.8% and the adjusted pay gap 1.2%, 1.3 points below the rate in 2020. At Telefónica, during the year, we established a new model for diagnosing salary differences that allowed us to analyse demographic, organisational and remuneration information with a holistic view of all employees.

In 2021, the results of the gender pay gap have increased because T. UK no longer consolidates in the Group annual report. If third parties in United Kingdom were considered within the calculation, the result would have been closed to 19.41%. Following our commitment to transparency of previous years, we publish results taking into account all salary concepts paid during the year.

In addition, we have signed an **Equality Framework Agreement** with most trade unions to standardise equality plans in all Group companies in Spain, ratifying our ongoing commitment to equality, diversity and co-responsibility between men and women.

In the area of **disability**, globally, we launched an online course for all employees, with information on the different types of disabilities and tools to facilitate equal treatment. In addition, we provided specific sessions for Recruitment and People teams.

In addition, throughout 2021 we signed agreements with entities that help us to locate candidates with disabilities, with profiles in line with the Company's needs. Through the Include Programme, developed with the GoodJob Foundation, we trained people with disabilities in cybersecurity, integrating 38 employees into our teams.

Outside the boundaries of our Company, in 2021 we worked to train people with disabilities in the digital skills required by the market. Through our Foundation, we served almost 170,000 people with disabilities. More information on social action in the area of diversity, disability and universal accessibility in the Fundación Telefónica Annual Report located at Fundación Telefónica /Get-to-know-us/Annual-Report website.

In the area of **young talent**, in 2021 we launched new editions of programmes such as TOP100, a training project for the development of 100 young professionals in Spain; Digital Transformation Development Program, which offers an individual personalised plan for young people in Germany, and; Joven Aprendiz and Trainee, which provides scholarships to young people from ethnic minorities, with disabilities, and from the LGBT+ community in Brazil. In this exercise, Telefónica also

supported the Sondersland youth employability and empowerment event.

In terms of diversity by **origin, ethnicity, or race**, in Brazil we strengthened our Career Development Programme, with new tools to help participants grow professionally, reaching around 100 employees. In addition, we helped fund scholarships for more than 400 employees who declare themselves to be black, and we have made a major effort to promote racially inclusive language, both internally and externally.

In terms of **LGBT+** diversity, in 2021 we strengthened our commitment to trans talent. In Spain, we joined FELGTB's YesWeTrans project and provided training sessions to the selection teams. In Brazil, we hired trans people, approaching 50 employees by the end of the year, and conducted an internal census to better understand our LGBT+ employees.

Beyond promoting gender diversity in our workforce, we **work to close gender gaps in society**. Along these lines, we joined the ClosinGap group of companies, which seeks to be an engine of social and economic transformation that helps to facilitate the personal and professional development of women.

We are also working to promote the presence of **women and young people in STEM careers** and entrepreneurship through a total of 52 programmes and initiatives. Some examples are Mujer e Ingeniería, Delas por Elas, #SheTransformsIT, #MujeresHacker and the STEAM Alliance for Female Talent, promoted by the Spanish Ministry of Education and Vocational Training.

Finally, in 2021, we committed to diversity and inclusion in our communications, using different tools and resources. In this respect, we developed the Inclusive Communication Implementation and Best Practices Manual in Spanish and the Vivo Diversidade guide in Portuguese.

Awards

Bloomberg Gender Equality Index 2021: this distinguishes Telefónica as one of the companies most committed to gender equality in the world.

The Financial Times recognised Telefónica as one of Europe's most inclusive employers in its Diversity Leaders ranking.

Equality in the Company Award from the Institute for Women and Equal Opportunities (DIE): obtained by Telefónica Móviles España, S.A. and Telefónica Soluciones de Informática y Comunicaciones de España S.A.U.

IBEX Gender Equality Index: selected Telefónica as one of the 33 Spanish listed companies with the greatest presence of women in senior management positions.

Great Place to Work: this recognised Telefónica Brazil as one of the best companies for professional women in its Ranking Mulher.

Employers for Youth: considered Telefónica to be one of the best employers for young people in several Latin American countries.

The 19th Expansión 'Innovation in Human Resources' Awards recognised our Equal Pay: People Equality initiative as one of the most innovative in Human Resources management, recognising our efforts and skill in establishing a model for diagnosing wage differentials. We analyse demographic, organisational and remuneration information with the most innovative technology to identify pay differentials, analyse the reasons behind the numbers, and set up a holistic view of all employees to add value to the business and facilitate decision-making.



2.6.5.3. New ways of working

Before the COVID-19 pandemic, Telefónica was in the process of transforming the way we work, implementing a working culture that allowed us to focus on our customers' needs, prioritising the delivery of value by being more efficient and innovative, and providing teams with greater autonomy and speed in decision-making. All these changes have been accelerated by the pandemic where, thanks to the road we had travelled and to digitalisation and internal innovation, we managed to have 95% of the staff working remotely in the worst moments of the crisis. Thanks to such lessons, during 2021 we consolidated a **new hybrid, flexible and digital working model** in all our operators: a working model that increases the engagement, satisfaction, and value delivery of our teams.

The redefinition of our workspaces to be more digital, flexible and collaborative, and a commitment to digital disconnection (Telefónica was a pioneer with an agreement in 2019 with all trade union organisations) and **physical and emotional well-being** of our people, are also part of this new work model.

> Where and how we work

To design our post-pandemic working model, we consulted employees through surveys and focus groups on how we should work and what activities it makes sense to carry out at the office. Following the input we received, we decided to go for a hybrid model, which gives us **flexibility** and allows us to obtain the **benefits** of working in the office (recommended for team-building activities or creative workshops) and at home (suitable for analytical activities and those that require concentration).

In addition, the employee may also choose to work from a second residence (always within the country of employment).

The commitment to a hybrid model is having a positive impact on the motivation, value delivery and well-being of our employees, as can be seen from the various surveys we are conducting. In Spain, 80% of employees believe their team is **more productive** working within a hybrid model.

The model, agreed with the main trade union bodies in the different countries where we operate, was adapted locally according to the evolution of the pandemic, the needs, and the legal framework of each country.

Outside the workplace, we are focusing on **agility** as a key lever to become a **more flexible** and adaptable **organisation**, more agile and focused on **delivering value** to our customers.

The new agile ways of working are much more than methodology for Telefónica, they are a means of boosting cultural transformation underpinned by the different local Agile offices. These offices, which combine Business Transformation and People teams, are the main drivers and enablers of change, and allow agile frameworks to be adapted to the particularities of each business and aligned with the strategic priorities of each Unit.

> How we lead

We know that these new ways of working require a **change of mindset**, so we aim to develop the role of leaders and teams in the new working environments to achieve a flexible and digital culture.

We foster leaders and teams to acquire different competences related with new ways of working based on a culture of flexibility, trust and commitment, as well as the necessary skills required for a **collaborative and dynamic** work environment based on project management, autonomy and teamwork.

> Digitalised environment

With a hybrid work model, the office becomes less of a place to perform a task and more a space for inspiration, co-creation, and networking among colleagues, thus fostering collaborative work and knowledge management.

Telefónica's workspaces are therefore open and shared and are technologically equipped for the hybrid model. In addition, we have space management tools and in those places that do not yet have these tools, we are carrying out pilot programmes to implement them in the future.

Similarly, we provide employees with the necessary equipment to be able to perform their work remotely in an appropriate manner, enabling interaction and fostering innovation with **collaborative technology such as Microsoft Teams or the corporate social network**,

Workplace, where we also share relevant news and inspirational content.

In addition, in Spain, we provide our employees with different tools so that they can record the start and end of the working day from any location, as required by current local labour legislation.

> Work-life balance

GRI 103

We develop the hybrid model by putting the employee and his or her family at the centre and taking care of their digital health. These new ways of working bring with them new healthy habits where the physical and emotional well-being of our workers in a holistic way takes precedence.

In addition, depending on the geographical area where we operate, we provide our professionals with ergonomic chairs, mobile phones with unlimited data tariffs and the possibility of acquiring office furniture with good conditions.

Reinforcing the **digital disconnection agreement**, the Company signed in 2019, we delivered courses with new routines and tips to maintain a healthy balance between work and free time, and organise teamwork in the best possible way.

In addition, we create spaces to promote emotional well-being with virtual cafés where we encourage networking.



For more information on emotional health initiatives, go to the section 2.6.5.4 Safety, health and well-being at work

Progress in 2021

Throughout 2021, we worked on the consolidation of a hybrid model consisting of 2-3 days of work in the office and the rest at home, agreeing on the days of attendance with the teams and leader of each area. In some units, the model began being implemented gradually. However, due to the explosive increase in infections due to the spread of the Omicron variant of COVID-19, high levels of remote working continue to be maintained today, with 70% of workers teleworking.

During 2021, further progress was made in adopting agile ways of working in all Group units. In the motivation survey, 38% of employees indicated that they used some kind of agile framework (scrum, kanban, design thinking, lean etc.) and we currently have more than 400 teams working on agile initiatives in all countries.

In Spain, more than 10,000 employees developed their digital capabilities and teleworking skills.

100% of our employees have access to Office 365 and Microsoft Teams to facilitate collaboration in a digital environment.

60% of employees are active users of the corporate social network, Workplace.

In Germany, 800 employees attended information sessions on how to structure their daily work routine effectively. In addition, virtual cafés have been held with 300 participants to ensure team cohesion in a hybrid environment.

In addition, Universitas (our corporate university) provided live training with an average duration of 6 hours to help transform the new ways of working: coaching for leaders, leading virtually, Growth Mindset, the art of gathering (or how to have better virtual meetings) among others, with a total of 16.000+ registered participants and 115 courses delivered.

A number of results-based leadership courses were held, through which more than 600 managers in Spain participated in Breaking Point.

More than 500 participants took part in Multiply your Productivity with the aim of helping to increase productivity.

Team leadership programmes have also been carried out in different areas of the Company (CTO, Movistar+ etc.).

More than 1,700 of the Company's leaders went through the fully virtual global programme, Ahead of the Unexpected, where we shared and socialised our corporate strategy.

2.6.5.4. Safety, health and well-being at work

GRI 403-1, 403-8, 403-9, 403-10

At Telefónica, we understand the concept of occupational health and safety to cover a state of complete physical, mental, and social well-being in harmony with the environment. The measures that promote health in the Company not only help employees and ensure long-term business success, but also have positive effects in society as a whole.

The Quality and Sustainability Committee is responsible for promoting the development of the Global Responsible Business Plan, which was approved by the Board of Directors and places emphasis on safeguarding and promoting the Health, Safety and Well-being (HSW) of our employees in the workplace.

Our safety, health and well-being policy

We are committed to:



> Management systems: prevention of work-related accidents and occupational diseases

GRI 403-1, 403-2

We establish procedures to identify hazards and assess risks in order to prevent work-related accidents and occupational diseases, ensuring compliance with the legal requirements in force in each country. Additionally, we adopt, in a complementary manner and in accordance with the principle of prevention, other requirements based on local regulations or international standards.

The processes for identifying hazards, assessing risks, and preventing accidents and occupational diseases are set out in the Global Health and Safety Policy, as well as in the various local health and safety policies. These processes vary from country to country, but all are aimed at eliminating hazards and minimising risks.

In Spain, risk identification is carried out in various ways: specific reports are produced to analyse a given situation; risk assessments are carried out in workplaces, and accident investigations are carried out. The results of this technical activity are included in the so-called 'Preventive Planning', which is sent to the corresponding management units so they can plan and develop the necessary corrective actions.

In Brazil, we have a platform for identification and evaluation of Hazards and Risks, called the SOGI PRSSO (Hazards and Risks at Work) module.

In Germany, there is an accident-reporting process. Accidents are registered in the accident database and an analysis of the accidents is performed by occupational safety specialists using a checklist.

We also have **processes** in place at each operator **to investigate work-related accidents.**

In Spain, once the accident has been determined by the occupational doctor, it is reported to the Service for the Prevention of Industrial Hazards, which assigns a prevention technician to conduct the accident

investigation. The investigation report includes a series of conclusions and recommendations of which the employee and his or her immediate superior are informed. If any additional action is required, it is also communicated to the management unit for repair or adaptation of the detected accident.

In Brazil, we have a Technical Instruction for the Management of Workplace Incidents and Accidents and a standard form for the recording and investigation of accidents at work.

In Germany, key problems identified are discussed in occupational safety committees and measures are drawn up.

Currently, 98% of our employees are covered by a safety, health and well-being management system, where 44% are covered by a certified system (based on ISO 45001 or OHSAS 18001 standards). Due to the increase in the workforce considered for the calculation, this percentage has been reduced compared to 2020.

Our work plan with regard to 2022 covers the implementation of a health, safety and well-being system at all our operators; the main markets will be certified under the new ISO 45001 standard.

> Occupational health services

GRI 403-3

In all countries, we have health services with essentially preventive and health-promoting functions.

In some countries they are covered by their in-house staff:

In Spain, this occurs with the Joint Service for the Prevention of Industrial Hazards.

In Brazil, it occurs with specialised providers that we contract for acupuncture programmes, mental health (psychologists), nutrition, physiotherapy, meditation, primary care (Einstein Clinic), pregnancy programmes,

exercise in the workplace, chronic disease management, telemedicine, executive check-up, etc.

In most workplaces, we have on-site medical care, and where this is not available, employees have access to medical services through the various health plans.

In addition, in all operations we have an Emergency Plan in which there are teams of people trained in first aid who act in the event of any emergency or natural disaster. We also have early warnings and specially trained teams (through drills) prepared to deal with such events.

> Health and safety training and worker representation

GRI 403-4, 403-5

Training and awareness-raising

All employees have online courses available to them on occupational health, safety and well-being. In addition, ongoing and specific training is undertaken with the local teams in the countries on implementation of health, safety and well-being management systems and numerous health and awareness-raising campaigns.

Worker representation and participation

We promote information, consultation and participation for workers and other stakeholders to ensure healthy and safe workplaces. Worker representation on joint health and safety committees is the established model in the different countries where we are present; 90% of our employees are represented on these committees.

In Spain, we have a central Health and Safety Committee, which meets monthly, and we reinforce it with provincial committees that meet every three months. In Germany, its occupational safety committee meets every quarter.



See section 2.6.5.3. New ways of working

> Promotion of employees' health

GRI 403-3, 403-6

At Telefónica, we encourage and promote the physical and mental health of our employees, both in the workplace and their personal and family environments. In line with our aim to be a benchmark for corporate well-being, generating a positive impact on our employees, collaborators, their environment and the organisation, we implement initiatives that promote a culture of well-being at all levels of the organisation, offering workers health and well-being benefits.

In addition, we raise awareness through various health programmes such as the Wellness Community in Spain, Feel Good in Spain and Germany, and Vivo Bem-Esta in Brazil. Through these programmes, we promote initiatives that raise awareness of nutrition, health, physical activity, and emotional issues.

We offer a portfolio of social benefits tailored to local practices in markets where we operate, including universal health insurance for all employees and support for people with disabilities.

We promote well-being and the psycho-social environment in the workplace to reduce emotional and mental stress. Along these lines, in Brazil there is the Conte Comigo programme, which offers support from social workers and psychologists with consultations. In Spain, the health and well-being programme addresses stress as a psycho-social risk. In Germany, we have Feel Good Balance, where we offer relaxation courses, stress management courses or resilience offers.

All these programmes help to implement corrective and preventive measures in each country.

In addition, the psycho-social working environment is one of the performance indicators that Telefónica publicly committed to address.

We facilitate workers' access to these services and wellness programmes through comprehensive communication campaigns. In addition, we run various training courses on emotional health, stress management, time management, leadership style and suicide prevention, among others.

In most countries, we have platforms that help us promote physical activity, such as Gynpass. In addition, we provide our employees with healthy products in the vending machines and nutrition programmes with nutritionists, who draw up a dietary plan adapted to each participant.

In addition, we help to build environments that promote a higher quality of life and comfort by including lactation rooms, bicycle parking and changing rooms in our buildings.

> Commitment to our suppliers

GRI 403-7

We foster best practices regarding health, safety, and well-being in our supply chain and with our partners. All our suppliers sign up to the Supply Chain Sustainability Policy, which sets out compliance obligations in this area.

It is in the activities of our suppliers where there is a greater risk of having an occupational accident, and therefore we focus on promoting and reinforcing best practices in health, safety, and well-being in working with them. Proof of this is the Proyecto Aliados initiative, whereby audits oriented towards occupational health and safety are performed and complemented by meetings with contractors and development of improvement schemes.

Supplier management

- Step 1** All our suppliers must accept and sign our minimum standards regarding health and safety at work.
- Step 2** Risk analysis and identification of high-risk suppliers.
- Step 3** Audits (administrative or on-site) of high-risk suppliers.
- Step 4** Engagement with suppliers to improve the health and safety of those who work with us in our supply chain.



[Go to chapter 2.16. Responsible supply chain management](#)

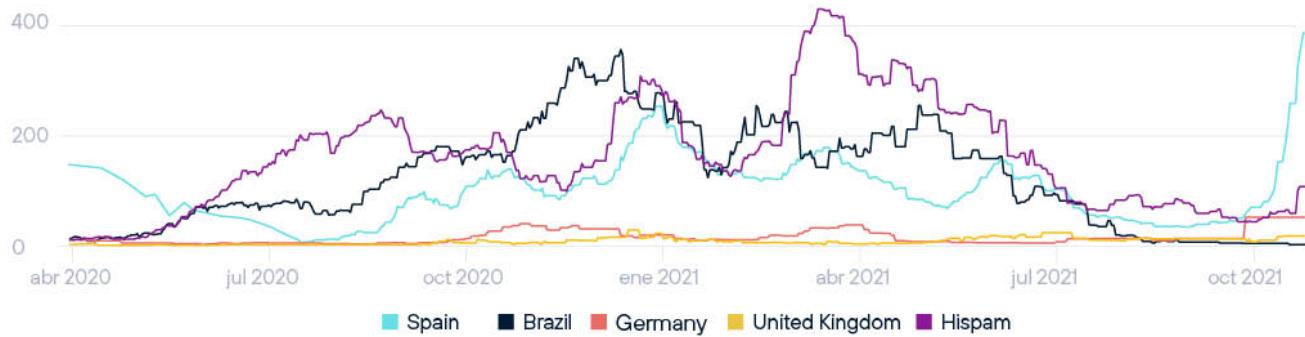
> Employee health and safety: COVID-19 crisis management

GRI 103

In 2021, the pandemic context posed numerous challenges in all the countries where we are present. Our management focused on the safety of our employees, customers, and partners.

COVID-19 Telefónica Global

Active Cases



We have made a significant effort to protect our employees by ensuring safe and healthy workplaces. In 2021, we thus continued to move forward with the previously designed Return Plan, which aims to safeguard health and safety, ensure the activity of people and the service to our customers, and prevent future risks.

The formula that has allowed us to manage this pandemic is a balanced mix of data analysis, active participation in international forums (WHO and United Nations) and daily interpretation of qualitative information (press, trends, news agencies, specialised studies).

With minor adaptations to existing tools, we have extracted maximum performance from the data and made safe progress on both health protection objectives and business challenges.

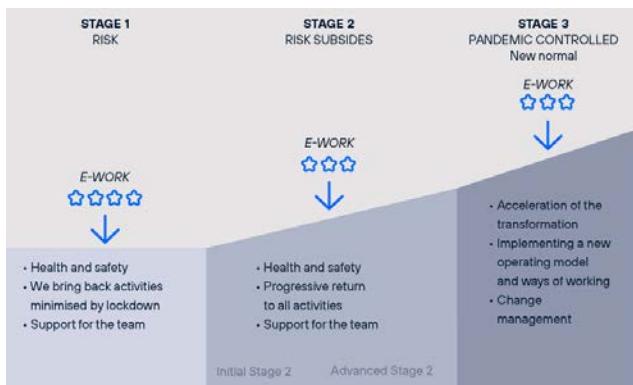
Currently, **16% of the workforce has had the disease**. We have recorded 102 deaths, but so far we have had no outbreaks in our workplaces. These data are the result of a major coordination effort between many areas and countries.

The impacts per country are very different. The graph below shows the distribution by organisation and geography:

The actions to meet these objectives varied, based on the evolution of the pandemic and criteria based on business activities and employee groups.

Each of these stages was agreed with the main trade union bodies, both in Spain and globally: UGT, CC.OO. and UNI Global Union (trade union coordination)

Return plan



Time planning is different in each country and subject to many variables: key country indicators, active cases of the Company in this location, conditions for return. For this reason, although the plan is the same, implementation occurs at different times.

At the close of this report, the status of our footprint was as indicated in the graph. However, due to the arrival of the Omicron variant, we have adapted our prevention measures to the situation at any given time. As always, protecting our health is our top priority, which is why we again prioritised the option of telework and flexibility in all countries until the pandemic is brought under control again.

Stages of the return



Trade union coordination for the COVID-19 return plan

At all times, the Return Plan has been addressed jointly between Telefónica and the main trade unions in Spain, UGT and CC.OO., as well as UNI Global Union.

During 2021, appropriate systems were established locally in each country through health and hygiene committees, temporary committees linked to COVID-19, or other instruments of dialogue to ensure compliance with the agreements and review any extraordinary accidents that may arise before the pandemic is under control.

It also includes a commitment to create spaces for collaboration in the field of collective bargaining, with the aim of analysing and capitalising on the lessons learned

from the management of the pandemic in order to consolidate teleworking and flexibility schemes, as well as new health and coexistence protocols.

Progress in 2021

In Spain, we have a 'well-being' community where activities and talks on well-being and health that are closely connected to the three main pillars of health: emotional, physical, and nutritional health. Some examples in the field of mental health are: *Shinrin Yoku* (forest baths) and laughter therapy workshops. In nutritional health, we give different webinars: how to transform your health - from the Rafa Nadal Academy - and energy nutrition are examples. In physical health, we have held weekly virtual sessions with personal trainings and introductory outdoor yoga sessions.

Launch of Vivo Bem-Estar to promote physical and mental health and a more diverse and collaborative work environment.

We held a wellness week in different countries where we shared content on emotional health, physical activity, healthy eating, self-awareness, and happiness.

Brazil carried out the Living Wellness challenge to encourage the practice of physical activity and meditation through gamification with more than 1,300 participants and 16,000 hours of sports and meditation activities.

Brazil launched the Wellness Space in +600m², where acupuncturists, psychologists, nutritionists, and physiotherapists serve 33,000 employees and can be accessed in person or online.

Germany took part in the Digital O2 Telefónica Run, where more than 1,600 employees participated in collecting the highest number of steps via an app to raise money to support a charity project.

Regarding the prevention of addictive behaviours, Brazil, through its 'Conte Comigo' programme, initiated a pilot programme and Spain has included it in the agenda to be developed within its health and well-being programme.

During 2021, cancer awareness and prevention activities (colon, breast, prostate) were carried out in Spain, Brazil and Germany.

We have specific COVID-19 monitoring committees at local level to ensure that prevention and health surveillance actions are adopted with the full participation of workers' representatives. In this way, we fulfil the dual objective of preserving health and monitoring the safe return to the office.

We implemented a new working model that focuses on four pillars.



For more information, see section 2.6.5.3. New ways of working

In line with the evolution of the pandemic, all measures adopted in 2020 have been updated to ensure the health and safety of our employees.

Awards

- Germany wins Corporate Health Award 2021, the most prestigious award related to occupational health management in Germany.
- Renewal of the Healthy Company certification (Spain).
- “Quirón Protocolo Seguro COVID-19” Seal (Sep 2021) this is one of the most rigorous certifications in Spain and endorses the hygienic, sanitary, interpersonal distancing and organisational measures that have been taken in our Company with regard to COVID-19.
- Renewal of the AENOR certificate for the protocols implemented in a total of 900 Movistar shops throughout Spain in relation to COVID-19.



MILESTONES

We launched hybrid working models: remote and in-person at 100% of our operators.

We were included in the Bloomberg Gender Equality Index in 2021.

We increased the percentage of women in executive positions in the Group to 29.5% (30.4% including the UK operation).

2.6.6. Main indicators

GRI 102-8, 102-38, 102-39, 102-41, 202-1, 401-1, 403-8, 403-9, 403-10, 404-1, 404-3, 405-1, 405-2

2.6.6.1. Health and safety at work

GRI 103, 403-8, 403-9, 403-10

Main occupational health and safety indicators

Indicators (1)	Germany		Brazil		Spain		United Kingdom		Hispan (4)	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Number of hours of absenteeism (men)	494,016	378,696	774,808	1,767,032	132,288	618,168	292,904	148,216	808,480	784,838
Number of hours of absenteeism (women)	485,904	381,496	771,592	2,110,544	177,592	902,192	302,920	189,280	587,648	574,964
Number of hours of absenteeism TOTAL	979,920	760,192	1,546,400	3,877,576	309,880	1,520,360	595,824	337,496	1,396,128	1,359,802
Absenteeism rate (men)	0.05	0.04	0.02	0.05	0.00	0.02	0.04	0.05	0.02	0.02
Absenteeism rate (women)	0.09	0.08	0.03	0.08	0.01	0.05	0.07	0.10	0.02	0.03
Absenteeism rate TOTAL	0.07	0.05	0.02	0.06	0.01	0.03	0.05	0.06	0.02	0.02
Lost day rate / severity (men) (2)	11.64	12.13	7.02	3.04	3.92	45.99	2.01	0.00	58.61	82.01
Lost day rate / severity (women) (2)	14.35	8.18	0.72	0.41	6.20	8.26	12.47	10.84	22.54	19.76
Lost day rate / severity TOTAL (2)	12.60	10.77	4.48	1.97	4.72	32.73	5.94	4.07	45.58	59.13
Lost day rate / severity (men) (3)	11.64	12.13	7.02	3.04	3.92	45.05	2.01	0.00	107.60	179.00
Lost day rate / severity (women) (3)	14.35	8.18	0.72	0.41	6.20	8.26	12.47	10.84	59.56	112.16
Lost day rate / severity TOTAL (3)	12.60	10.77	4.48	1.97	4.72	32.12	5.94	4.07	90.25	154.44
Accident frequency rate (men)	0.25	0.37	0.57	0.40	0.12	0.24	0.00	0.00	1.12	1.50
Accident frequency rate (women)	0.94	0.33	0.05	0.14	0.12	0.16	0.04	0.00	0.52	0.36

Indicators (1)	Germany	Brazil	Spain	United Kingdom	Hispam (4)
Accident frequency rate	0.49	0.36	0.36	0.30	0.12
TOTAL				0.21	0.02
Occupational disease rate (men) (2)	0.00	0.00	0.00	0.00	0.00
Occupational disease rate (women) (2)	0.00	0.00	0.00	0.00	0.00
Occupational disease rate	0.00	0.00	0.00	0.00	0.00
TOTAL (2)					
Occupational disease rate (men) (3)	0.00	0.00	0.00	0.12	0.00
Occupational disease rate (women) (3)	0.00	0.00	0.00	0.17	0.00
Occupational disease rate	0.00	0.00	0.00	0.14	0.00
TOTAL (3)					
Total number of occupational injuries with major consequences (Men) (5)	0	0	0	0	0
Total number of occupational injuries with major consequences (Women) (5)	0	0	0	0	0
Total number of occupational injuries with major consequences	n.a.	0	n.a.	0	n.a.
TOTAL (5)					
Rate of occupational injuries with major consequences					
TOTAL (5)	0.00	0.00	0.00	0.00	0.00
Total number of recordable occupational injuries (Men)	12	11	0	0	22
Total number of recordable occupational injuries (Women)	25	4	0	0	12
Total number of recordable occupational injuries TOTAL	37	15	0	0	86
					1
					0
					349
					477

Indicators (1)	Germany	Brazil	Spain	United Kingdom	Hispam (4)					
Rate of recordable occupational injuries (TOTAL)	0.49	0.22	0.00	0.00	0.12	0.32	0.02	0.00	1.03	1.55
Number of deaths resulting from an occupational injury (Men)	0	0	0	0	0	0	0	0	1	0
Number of deaths resulting from an occupational injury (Women)	0	0	0	0	0	0	0	0	0	0
Number of deaths resulting from an occupational injury (TOTAL)	0	0	1	0						
Rate of deaths resulting from an occupational injury TOTAL	0.00	0.00	0.00	0.00						
Number of hours worked (TOTAL)	14,996,612	13,909,860	62,885,220	62,957,490	56,321,381	54,162,018	11,918,370	5,263,110	67,724,712	61,617,883
Number of deaths resulting from an occupational disease or illness (TOTAL)	0.00	0	0	0	0	0	0	0	0	0
Number of employees covered by the Health and Safety Management System	7,701	7,368	33,064	33,072	17,497	27,271	100	5,632	15,642	28,042
% of employees covered by the Health and Safety Management System	100%	100%	98%	97%	76%	100%	2%	98%	47%	88%
Number of employees covered by the Health and Safety Management System subject to internal audit	7,701	0	0	32,761	17,497	26,332	100	5,632	10,673	27,403
% of employees covered by the Health and Safety Management System subject to internal audit	100%	0%	0%	97%	76%	96%	2%	98%	32%	86%

Indicators (1)	Germany	Brazil	Spain	United Kingdom	Hispam (4)
Number of employees covered by the Health and Safety Management System subject to third party certification or auditing	7,701	7,368	0	17,497	24,193
% of employees covered by the Health and Safety Management System subject to third party certification or auditing	100%	100%	0%	0%	76% 89% 2% 98% 62% 98%

Due to the joint venture with Virgin Media UK, the companies included in the UK region were removed from the Group's scope of consolidation as of 1 June 2021, and therefore only the information up to that date is reflected.

Notes on the indicators

- Absenteeism rate = total number of days lost due to absence / total days worked per year.
- Lost day rate (severity) = total number of days lost due to accidents in the workplace with leave and occupational disease / total hours worked per year) x 200,000
- Accident frequency rate = (total number of accidents in the workplace with leave / total number of hours worked per year) x 200,000.
- Occupational disease rate = (total number of occupational diseases / total number of hours worked per year) x 200,000.
- Rate of occupational injuries with major consequences = (number of occupational injuries with major consequences (excluding deaths) / Number of hours worked) x 200,000.
- Rate of injuries due to recordable occupational accidents = (number of injuries due to recordable occupational accidents / Number of hours worked) x 200,000
- Death rate as a result of occupational accidents = (Number of deaths resulting from injuries due to occupational accidents / Number of hours worked) x 200,000.
- (1) To improve the quality of the data, we have reported data related to occupational diseases based on two criteria: 1. On the basis of a global definition based on the list of occupational diseases from the International Labour Organization (ILO). 2. On the basis of local legislation, regulations and rules, as in previous years. This distinction is necessary in order to understand the differences between countries, e.g., the employment regulations in the United Kingdom contain a larger number of occupational diseases (e.g., stress) than the rest of the regions in which Telefónica operates, and therefore the rates associated with occupational diseases are higher in the United Kingdom. Additionally, in 2020 in Argentina, according to local legislation, COVID-19 is being considered as an occupational disease.
- (2) Based on the list of occupational diseases from the International Labour Organization.
- (3) Based on the list of occupational diseases in local legislation, regulations and rules.
- (4) In 2020 and 2021, Hispam comprises: Argentina, Chile, Colombia, Ecuador, Mexico, Perú, Uruguay, and Venezuela.
- (5) Not including deaths.

Relevant indicators joint venture O2 UK and Virgin Media UK⁽⁶⁾

- **Work absenteeism rate** O2 UK = 5%; Virgin Media UK= 10%

- **Accident frequency rate** O2 UK = 0.28; Virgin Media UK = 0.32

- **Incidence Rate of Occupational Diseases (Based on legislation, regulation and local standards)** O2 UK = 0 ; Virgin Media UK = 14.67

*O2 UK data consolidates the information from January 1 to December 31, and Virgin Media UK information is consolidated from January 1 to October 31, 2021.

Coverage of the health and safety management system at work

Indicators (*)	Total Group (%)
2021	
% of employees covered by Health and Safety management system implemented and certified under ISO 45001 standard	44.1 %
% of employees covered by Health and Safety management system implemented without certification	54.3 %
% of employees covered by Health and Safety management systems implemented	98.4 %

(*)For 2021, coverage has been calculated on the basis of the average physical workforce, both for employees who have been part of the Group and those who are covered at year-end.

The indicators reflect the percentage of employees covered by a certified health and safety management system (ISO 45001 standard) or a management system in place but not certified.

98.4% indicates the sum of the percentage of employees who are covered by a certified or uncertified management system.

⁶Absenteeism Rate

- **O2 UK:** Total no. of days lost due to any cause / Total annual working days. Note 1: "Any cause" refers to "Total number of days lost due to: accident at work with sick leave, non-occupational accident, occupational disease, common disease and non-permitted absences". Note 2: Allowed absences such as holidays, study leave, maternity or paternity leave and free days are not included.
- **Virgin Media UK:** (total days lost due to work-related and non-work related illnesses/accidents, e.g. flu) /'total days worked per staff'(Total number of employees (headcount, year-end)'×221.4).
Absence: an employee absent from work due to a disability of any kind (e.g. illness/flu), not only as a result of a work-related injury or illness. Permitted absences such as holiday, study, maternity or paternity and family leave are excluded.

Accident frequency rate:

- **O2 UK:** (Total no. of accidents at work resulting in time off work / Annual working hours) * 200 000. Note: Including accidents resulting in death.
- **Virgin Media UK:** Total number of recordable workplace injuries*200 000/'Total hours worked per workforce'(Total number of employees (headcount, end of year)'×221.4).
Accident rate (per 200,000 hours worked). Injury: A fatal or non-fatal injury arising out of or in the course of work. Generally, this should include injuries reported on the way to and from work, as well as during work, whether on or off-site. Please note that we only collect "Recordable Injuries". These are those where medical attention from a health professional is required and time loss occurs.

Incidence rate of occupational diseases:

- **O2 UK:** (Total no. of occupational diseases / Annual working hours) * 200000 Note 1: If local legislation, regulation or standard is based on the ILO list of occupational diseases, this indicator does not need to be reported. Note 2: Include occupational diseases that are required to be reported by legislation, regulation or local standard, but are not included in the ILO list of occupational diseases (e.g. stress or other psychosocial diseases). Note 3: Common diseases are not considered as occupational diseases.
- **Virgin Media UK:** Number of employees who reported an occupational disease (e.g. stress) and/or work-related accident' * 200000 / Total hours worked per workforce' (Total number of employees (number of employees, end of year)'×221.4). Occupational disease rate (per 200,000 hours worked).

2.6.6.2. Staffing and diversity indicators

GRI 102-8, 401-1, 405-1

> Structure of the Board of Directors

Members of the Board of Directors by gender and age in 2021

Age range	Men	%	Women	%	Total	%
50 or more	10	77 %	3	23 %	13	87 %
From 35 to 49	—	— %	2	100 %	2	13 %
Under 35	—	— %	—	— %	—	— %
TOTAL	10	66.7%	5	33.3%	15	100 %

> Indicators of distribution of employees and contracts

Total number and distribution of employees by country

Country	Physical Staff		% Physical Staff	
	2020	2021	2020	2021
Spain	28,560	28,949	25.4 %	27.9 %
Brazil	34,432	34,746	30.6 %	33.4 %
Germany	7,926	7,238	7.1 %	7.0 %
Hispam	34,687	32,091	30.9 %	30.9 %
Argentina	13,618	12,276	12.1 %	11.8 %
Chile	4,269	4,053	3.8 %	3.9 %
Colombia	6,435	5,965	5.7 %	5.7 %
Ecuador	1,028	922	0.9 %	0.9 %
Mexico	1,843	2,097	1.6 %	2.0 %
Peru	5,148	4,557	4.6 %	4.4 %
Uruguay	633	580	0.6 %	0.6 %
Venezuela	1,713	1,641	1.5 %	1.6 %
Others	422	910	0.4 %	0.9 %
Total Group	112,349	103,934	100 %	100 %

(1) The Group's average physical staff in 2021 was 107,416 employees.

(2) The Group's equivalent (FTE) staff in 2021 was 100,325 employees.

(3) Due to the joint venture between O2 UK and Virgin Media UK, the companies that make up the joint venture, and were included in the UK region, were removed from the Group's consolidation perimeter as of 1 June 2021, so that at the report's closing date (31 December 2021) they were not accounted for. At the end of 2021 (31 December), O2 UK headcount was of 6,153 (2,392 women, 3,749 men and 12 non-gender-identified). At the end of October 2021, Virgin Media UK headcount was of 11,697 (3,185 women and 8,512 men).

On the other hand, employees of companies that were not part of the joint venture, but were part of the geography, became part of the scope of Others in the 2021 financial year.

However, indicators reflecting the cumulative staffing situation between 1 January and 31 May 2021 are reflected.

Total number and distribution of employees by gender, age range, professional category and region

TOTAL GROUP	50 or more		From 35 to 49		Under 35		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
Executives	Men	959	736	2,220	1,946	179	139	3,358
	%	5%	4%	7%	6%	1%	1%	5%
	Women	289	246	1,120	1,025	103	87	1,512
	%	5%	4%	5%	5%	1%	1%	4%
	TOTAL	1,248	982	3,340	2,971	282	226	4,870
	%	5%	4%	6%	6%	1%	1%	4%
Middle Management	Men	1,916	1,516	4,362	3,462	1,028	652	7,306
	%	10%	9%	14%	11%	5%	4%	10%
	Women	529	355	2,137	1,602	592	361	3,258
	%	8%	6%	10%	8%	4%	3%	8%
	TOTAL	2,445	1,871	6,499	5,064	1,620	1,013	10,564
	%	10%	8%	12%	10%	5%	3%	9%
Other Professionals	Men	16,090	14,678	25,051	25,683	17,833	15,568	58,974
	%	85%	87%	79%	83%	94%	95%	85%
	Women	5,601	4,951	17,739	18,075	14,601	12,852	37,941
	%	87%	89%	84%	87%	95%	97%	89%
	TOTAL	21,691	19,629	42,790	43,758	32,434	28,420	96,915
	%	85%	87%	81%	84%	94%	96%	86%
Total	Men	18,965	16,930	31,633	31,091	19,040	16,359	69,638
	%	27%	26%	45%	48%	27%	25%	62%
	Women	6,419	5,552	20,996	20,702	15,296	13,300	42,711
	%	15%	14%	49%	52%	36%	34%	38%
	TOTAL	25,384	22,482	52,629	51,793	34,336	29,659	112,349
	%	23%	22%	47%	50%	31%	29%	100%

	GERMANY	50 or more		From 35 to 49		Under 35		Total	
		2020	2021	2020	2021	2020	2021	2020	2021
Executives	Men	77	65	96	93	3	6	176	164
	%	6%	5%	4%	4%	0.3%	1%	4%	4%
	Women	18	18	34	39	3	2	55	59
	%	3%	3%	2%	3%	0.4%	0%	2%	2%
	TOTAL	95	83	130	132	6	8	231	223
	%	5%	5%	3%	3%	0.3%	0.5%	3%	3%
Middle Management	Men	121	108	371	356	69	67	561	531
	%	9%	9%	15%	15%	6%	7%	11%	12%
	Women	38	33	107	99	25	24	170	156
	%	6%	6%	7%	7%	3%	4%	6%	6%
	TOTAL	159	141	478	455	94	91	731	687
	%	8%	8%	12%	12%	5%	6%	9%	9%
Other Professionals	Men	1,123	1,016	2,002	1,962	1,101	904	4,226	3,882
	%	85%	85%	81%	81%	94%	93%	85%	85%
	Women	609	486	1,397	1,352	732	608	2,738	2,446
	%	92%	91%	91%	91%	96%	96%	92%	92%
	TOTAL	1,732	1,502	3,399	3,314	1,833	1,512	6,964	6,328
	%	87%	87%	85%	85%	95%	94%	88%	87%
Total	Men	1,321	1,189	2,469	2,411	1,173	977	4,963	4,577
	%	27%	26%	50%	53%	24%	21%	63%	63%
	Women	665	537	1,538	1,490	760	634	2,963	2,661
	%	22%	20%	52%	56%	26%	24%	37%	37%
	TOTAL	1,986	1,726	4,007	3,901	1,933	1,611	7,926	7,238
	%	25%	24%	51%	54%	24%	22%	100%	100%

BRAZIL		50 or more		From 35 to 49		Under 35		Total	
		2020	2021	2020	2021	2020	2021	2020	2021
Executives	Men	155	128	813	836	109	112	1,077	1,076
	%	8%	7%	8%	8%	1%	1%	5%	5%
	Women	43	41	413	440	59	73	515	554
	%	6%	7%	7%	7%	1%	1%	4%	4%
	Total	198	169	1,226	1,276	168	185	1,592	1,630
	%	8%	7%	8%	8%	1%	1%	5%	5%
Middle Management	Men	217	204	978	1,006	306	290	1,501	1,500
	%	12%	12%	10%	10%	4%	4%	8%	7%
	Women	29	22	354	352	230	175	613	549
	%	4%	4%	6%	6%	3%	2%	4%	4%
	Total	246	226	1,332	1,358	536	465	2,114	2,049
	%	10%	10%	9%	8%	3%	3%	6%	6%
Other Professionals	Men	1,465	1,432	7,810	8,299	8,116	7,713	17,391	17,444
	%	80%	81%	81%	82%	95%	95%	87%	87%
	Women	596	551	5,099	5,502	7,640	7,570	13,335	13,623
	%	89%	90%	87%	87%	96%	97%	92%	93%
	Total	2,061	1,983	12,909	13,801	15,756	15,283	30,726	31,067
	%	82%	83%	83%	84%	96%	96%	89%	89%
Total	Men	1,837	1,764	9,601	10,141	8,531	8,115	19,969	20,020
	%	9%	9%	48%	51%	43%	41%	58%	58%
	Women	668	614	5,866	6,294	7,929	7,818	14,463	14,726
	%	5%	4%	41%	43%	55%	53%	42%	42%
	Total	2,505	2,378	15,467	16,435	16,460	15,933	34,432	34,746
	%	7%	7%	45%	47%	48%	46%	100%	100%

	SPAIN	50 or more		From 35 to 49		Under 35		Total	
		2020	2021	2020	2021	2020	2021	2020	2021
Executives	Men	394	358	693	661	16	12	1,103	1,031
	%	5%	4%	9%	8%	1%	1%	6%	6%
	Women	142	133	343	368	16	9	501	510
	%	5%	4%	6%	6%	1%	1%	5%	5%
	Total	536	491	1,036	1,029	32	21	1,604	1,541
	%	5%	4%	8%	7%	1%	1%	6%	5%
Middle Management	Men	639	567	1,134	699	187	41	1,960	1,307
	%	7%	7%	15%	9%	8%	2%	11%	7%
	Women	218	175	665	394	103	24	986	593
	%	7%	6%	12%	7%	7%	2%	10%	6%
	Total	857	742	1,799	1,093	290	65	2,946	1,900
	%	7%	6%	14%	8%	8%	2%	10%	7%
Other Professionals	Men	7,667	7,722	5,640	6,529	2,016	2,086	15,323	16,337
	%	88%	89%	76%	83%	91%	98%	83%	87%
	Women	2,755	2,790	4,564	5,095	1,368	1,286	8,687	9,171
	%	88%	90%	82%	87%	92%	97%	85%	89%
	Total	10,422	10,512	10,204	11,624	3,384	3,372	24,010	25,508
	%	88%	90%	78%	85%	91%	98%	84%	88%
Total	Men	8,700	8,647	7,467	7,889	2,219	2,139	18,386	18,675
	%	47%	46%	41%	42%	12%	11%	64%	65%
	Women	3,115	3,098	5,572	5,857	1,487	1,319	10,174	10,274
	%	31%	30%	55%	57%	15%	13%	36%	35%
	Total	11,815	11,745	13,039	13,746	3,706	3,458	28,560	28,949
	%	41%	41%	46%	47%	13%	12%	100%	100%

HISPAM	50 or more		From 35 to 49		Under 35		Total		
	2020	2021	2020	2021	2020	2021	2020	2021	
Executives	Men	233	170	461	329	41	9	735	508
	%	4%	3%	4%	3%	1%	0%	3%	2%
	Women	59	50	238	167	19	3	316	220
	%	4%	4%	3%	2%	–%	–%	3%	2%
	Total	292	220	699	496	60	12	1,051	728
	%	4%	3%	4%	3%	1%	–%	3%	2%
Middle Management	Men	698	606	1,377	1,353	295	237	2,370	2,196
	%	11%	12%	13%	13%	5%	5%	11%	11%
	Women	147	113	747	736	143	131	1,037	980
	%	10%	9%	11%	11%	4%	4%	8%	8%
	Total	845	719	2,124	2,089	438	368	3,407	3,176
	%	11%	11%	12%	12%	5%	4%	10%	10%
Other Professionals	Men	5,325	4,408	8,489	8,625	5,294	4,708	19,108	17,741
	%	85%	85%	82%	84%	94%	95%	86%	87%
	Women	1,321	1,089	5,918	6,028	3,882	3,329	11,121	10,446
	%	87%	87%	86%	87%	96%	96%	89%	90%
	Total	6,646	5,497	14,407	14,653	9,176	8,037	30,229	28,187
	%	85%	85%	84%	85%	95%	95%	87%	88%
Total	Men	6,256	5,184	10,327	10,307	5,630	4,954	22,213	20,445
	%	28%	25%	46%	50%	25%	24%	64%	64%
	Women	1,527	1,252	6,903	6,931	4,044	3,463	12,474	11,646
	%	12%	11%	55%	60%	32%	30%	36%	36%
	Total	7,783	6,436	17,230	17,238	9,674	8,417	34,687	32,091
	%	22%	20%	50%	54%	28%	26%	100%	100%

	OTHERS	50 or more		From 35 to 49		Under 35		Total	
		2020	2021	2020	2021	2020	2021	2020	2021
Executives	Men	19	15	26	27	—	—	45	42
	%	20%	10%	17%	8%	—%	—%	16%	6%
	Women	2	4	9	11	—	—	11	15
	%	3%	8%	13%	8%	—%	—%	7%	6%
	Total	21	19	35	38	—	—	56	57
	%	13%	10%	15%	8%	—%	—%	13%	6%
Middle Management	Men	62	31	98	48	15	17	175	96
	%	64%	21%	64%	14%	63%	10%	64%	14%
	Women	20	12	51	21	9	7	80	40
	%	33%	24%	71%	16%	64%	11%	54%	16%
	Total	82	43	149	69	24	24	255	136
	%	52%	22%	66%	15%	63%	10%	60%	15%
Other Professionals	Men	16	100	30	268	9	157	55	525
	%	16%	68%	19%	78%	38%	90%	20%	79%
	Women	39	35	12	98	5	59	56	192
	%	64%	69%	17%	75%	36%	89%	38%	78%
	Total	55	135	42	366	14	216	111	717
	%	35%	69%	19%	77%	37%	90%	26%	79%
Total	Men	97	146	154	343	24	174	275	663
	%	35%	22%	56%	52%	9%	26%	65%	73%
	Women	61	51	72	130	14	66	147	247
	%	41%	21%	49%	53%	10%	27%	35%	27%
	Total	158	197	226	473	38	240	422	910
	%	37%	22%	54%	52%	9%	26%	100%	100%

> Distribution of employees by type of contract

Total number and distribution of employment contract types by gender and region

Region	Permanent Contract Men		Permanent Contract Women		Permanent Contracts		Temporary Contracts Men		Temporary Contracts Women		Temporary Contracts	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	4,531	4,220	2,707	2,482	7,238	6,702	432	357	256	179	688	536
Brazil	19,922	20,020	14,392	14,723	34,314	34,743	47	—	71	3	118	3
Spain	18,015	18,299	9,858	9,941	27,873	28,240	371	376	316	333	687	709
Others	268	655	144	245	412	900	7	8	3	2	10	10
Hispam	21,715	20,006	12,123	11,408	33,838	31,414	498	439	351	238	849	677
Total Group	68,244	63,200	41,685	38,799	109,929	101,999	1,394	1,180	1,026	755	2,420	1,935

Relevant KPIs from O2 UK and Virgin Media UK joint venture.

-**O2 UK:** Indefinite term contract = 5,867; Temporary contracts = 286.

-**Virgin Media UK:** Indefinite term contracts = 11,596; Temporary contracts = 101.

*O2 UK data is the closing data as of December 31 and Virgin Media UK data is the closing data as of October 31.

Total number and distribution of working day types by gender and region

Region	Full-Time contracts Men		Full-Time contracts Women		Full-Time contracts		Part-time contracts Men		Part-time contracts Women		Part-time contracts	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	4,560	4,244	1,784	1,640	6,344	5,884	403	333	1,179	1,021	1,582	1,354
Brazil	17,495	20,018	9,389	14,726	26,884	34,744	2,474	2	5,074	—	7,548	2
Spain	18,373	18,618	10,139	10,132	28,512	28,750	13	57	35	142	48	199
Others	275	663	146	223	421	886	—	—	1	24	1	24
Hispam	22,189	20,427	12,387	11,545	34,576	31,972	24	18	87	101	111	119
Total Group	66,233	63,970	35,534	38,266	101,767	102,236	3,405	410	7,177	1,288	10,582	1,698

Average annual number of permanent, temporary and part-time contracts; by gender, age range and professional category⁽⁷⁾

Average contracts by gender

Indicators	Men		Women		Total	
	2020	2021	2020	2021	2020	2021
Permanent contracts	68,478	65,445	41,745	40,175	110,223	105,620
Temporary contracts	1,432	1,089	1,087	707	2,519	1,797
Part-time contracts	3,984	751	7,589	1,823	11,573	2,575

Average contracts by age

Indicators	50 or more		From 35 to 49		Under 35		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
Permanent contracts	25,716	22,026	52,443	53,125	32,064	30,469	110,223	105,620
Temporary contracts	106	57	560	492	1,853	1,247	2,519	1,797
Part-time contracts	757	375	3,533	1,190	7,283	1,009	11,573	2,575

⁷ The calculation is based on the cumulative average for the year by type of contract and by type of working day.

Average contracts by professional category

Indicators	Executives		Middle Management		Other Professionals		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
Permanent contracts	4,868	4,331	10,421	8,630	94,934	92,658	110,223	105,620
Temporary contracts	7	7	18	11	2,493	1,779	2,519	1,797
Part-time contracts	25	17	125	49	11,422	2,509	11,573	2,575

Distribution of employees by nationality

Nationality	Employees (%)
Brazilian	33.4
Spanish	27.4
Argentina	11.7
German	6.2
Colombian	5.8
Peruvian	4.4
Chilean	3.7
Venezuelan	2.1
Mexican	2.0
Ecuadorian	0.9
Uruguayan	0.6
British	0.3
Other nationalities	1.5

The figure of 1.5% for Others is made up of 87 nationalities.

> Diversity indicators

Gender diversity

Indicators	2020	2021
Women in the workforce	38.0%	38.1 %
Women on the Board of Directors	29.4%	33.3 %
Women in all management positions ⁸	– %	30.3 %
Women in executive positions	27.4%	29.5 %
Women in middle management positions	31.0%	29.2 %
Women hired under 35 years of age	45.0%	45.7 %

Employees with disabilities

Indicator	2020	2021
People with disabilities on the staff	1,118 ⁹	1,347

Young people

Indicator	2020	2021
Under 35	31%	29 %

⁸ Executive, management and middle management positions.

⁹ The number of people with disabilities in the workforce for the year 2020 published in Note 26 of the Consolidated Annual Accounts, includes Central America.

Cultural diversity by region¹⁰

Region	Employees		Nationalities		Women		Men	
	2020	2021	2020	2021	2020	2021	2020	2021
Germany	7,926	7,238	80	75	58	51	67	64
Brazil	34,432	34,746	26	25	14	14	23	22
Spain	28,560	28,949	54	51	44	41	42	39
Others	422	910	35	29	26	20	25	27
Hispam	34,687	32,091	40	37	29	27	33	30
Total Group	112,349	103,934	117	99	92	71	106	89

> New employee recruitment

Total number and rate of hiring by age range, gender and region

Region	Age range	Men		%		Women		%		Total	
		2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	50 or more	89	89	7 %	6 %	66	158	5 %	10 %	155	247
	From 35 to 49	254	336	21 %	21 %	183	381	15 %	24 %	437	717
	Under 35	367	347	30 %	22 %	279	292	23 %	18 %	646	639
Brazil	50 or more	86	182	2 %	2 %	51	97	1 %	1 %	137	279
	From 35 to 49	797	1,393	15 %	15 %	624	1,141	12 %	12 %	1,421	2,534
	Under 35	1,837	3,073	35 %	33 %	1,927	3,427	36 %	37 %	3,764	6,500
Spain	50 or more	556	1,950	8 %	13 %	258	1,621	4 %	11 %	814	3,571
	From 35 to 49	1,617	2,771	22 %	18 %	985	1,789	13 %	12 %	2,602	4,560
	Under 35	2,323	4,152	32 %	27 %	1,590	2,990	22 %	20 %	3,913	7,142
United Kingdom	50 or more	22	12	4 %	4 %	18	6	3 %	2 %	40	18
	From 35 to 49	91	47	16 %	17 %	49	35	8 %	12 %	140	82
	Under 35	216	100	37 %	35 %	185	83	32 %	29 %	401	183
Others	50 or more	3	112	8 %	18 %	—	30	0 %	5 %	3	142
	From 35 to 49	17	205	46 %	33 %	5	68	14 %	11 %	22	273
	Under 35	9	157	24 %	25 %	3	54	8 %	9 %	12	211
Hispam	50 or more	157	172	4 %	4 %	40	35	1 %	1 %	197	207
	From 35 to 49	695	1,271	19 %	27 %	487	598	13 %	13 %	1,182	1,869
	Under 35	1,354	1,610	36 %	34 %	1,020	1,095	27 %	23 %	2,374	2,705
Total Group	50 or more	913	2,517	5 %	8 %	433	1,947	2 %	6 %	1,346	4,464
	From 35 to 49	3,471	6,023	19 %	19 %	2,333	4,012	13 %	13 %	5,804	10,035
	Under 35	6,106	9,439	33 %	30 %	5,004	7,941	27 %	25 %	11,110	17,380

¹⁰ The nationalities indicator, at the level of cultural diversity, represents the number of different nationalities that make up the workforce in that region. This number is also indicated between the number of male and female staff.

> Employee turnover

Total number and turnover rate by age range, gender and region⁽¹¹⁾

Region	Age range	Men		% 2020 2021		Women		% 2020 2021		Total		% 2020 2021	
		2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	50 or more	119	224	1%	3%	107	288	1%	4%	226	512	3%	7%
	From 35 to 49	302	538	4%	7%	271	503	3%	7%	573	1,041	7%	14%
	Under 35	382	391	5%	5%	286	338	4%	4%	668	729	8%	10%
Brazil	50 or more	140	251	0%	1%	84	153	0%	0%	224	404	1%	1%
	From 35 to 49	1,124	1,698	3%	5%	722	1,386	2%	4%	1,846	3,084	5%	9%
	Under 35	1,637	2,633	5%	8%	1,674	2,841	5%	8%	3,311	5,474	10%	16%
Spain	50 or more	657	1,982	2%	7%	307	1,620	1%	6%	964	3,602	3%	13%
	From 35 to 49	1,574	2,666	6%	9%	1,020	1,793	4%	6%	2,594	4,459	9%	16%
	Under 35	2,124	3,976	7%	14%	1,466	2,896	5%	10%	3,590	6,872	13%	24%
United Kingdom	50 or more	96	791	1%	14%	76	400	1%	7%	172	1,191	3%	21%
	From 35 to 49	190	1,656	3%	29%	137	1,079	2%	19%	327	2,735	5%	48%
	Under 35	348	1,518	5%	27%	272	1,107	4%	19%	620	2,625	10%	46%
Others	50 or more	6	35	1%	6%	3	6	1%	1%	9	41	2%	7%
	From 35 to 49	8	50	2%	8%	5	25	1%	4%	13	75	3%	12%
	Under 35	4	28	1%	5%	7	38	2%	6%	11	66	3%	11%
Hispam	50 or more	913	1,257	3%	4%	249	318	1%	1%	1,162	1,575	3%	5%
	From 35 to 49	916	1,958	3%	6%	636	1,059	2%	3%	1,552	3,017	4%	9%
	Under 35	1,164	1,646	3%	5%	968	1,198	3%	4%	2,132	2,844	6%	9%
Total Group	50 or more	1,931	4,540	2%	4%	826	2,785	1%	3%	2,757	7,325	2%	7%
	From 35 to 49	4,114	8,566	4%	8%	2,791	5,845	2%	5%	6,905	14,411	6%	13%
	Under 35	5,659	10,192	5%	9%	4,673	8,418	4%	8%	10,332	18,610	9%	17%

Dismissals by gender

Region	Men		Women		Total	
	2020	2021	2020	2021	2020	2021
Germany	182	408	99	305	281	713
Brazil	1,804	2,381	1,562	2,603	3,366	4,984
Spain	157	130	116	99	273	229
United Kingdom	228	29	183	15	411	44
Others	6	28	5	12	11	40
Hispam	1,158	2,229	495	1,033	1,653	3,262
Total Group	3,535	5,205	2,460	4,067	5,995	9,272

¹¹ Turnover percentage is calculated by dividing departures by the average physical workforce.

Dismissals by age range

Region	50 or more		From 35 to 49		Under 35		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
Germany	48	223	102	308	131	182	281	713
Brazil	173	304	1,234	1,705	1,959	2,975	3,366	4,984
Spain	69	64	151	122	53	43	273	229
United Kingdom	133	10	189	15	89	19	411	44
Others	2	17	6	18	3	5	11	40
Hispam	883	1,361	486	1,183	284	718	1,653	3,262
Total Group	1,308	1,979	2,168	3,351	2,519	3,942	5,995	9,272

Dismissals by professional category

Region	Executives		Middle Management		Other Professionals		Total	
	2020	2021	2020	2021	2020	2021	2020	2021
Germany	7	3	22	39	252	671	281	713
Brazil	90	129	108	254	3,168	4,601	3,366	4,984
Spain	66	19	41	13	166	197	273	229
United Kingdom	47	1	61	6	303	37	411	44
Others	3	2	4	2	4	36	11	40
Hispam	85	92	239	330	1,329	2,840	1,653	3,262
Total Group	298	246	475	644	5,222	8,382	5,995	9,272

Voluntary leavers (resignations) by age range, gender and region⁽¹²⁾

Region	Age range	Men		% ⁽¹²⁾		Women		% ⁽¹²⁾		Total		% ⁽¹²⁾	
		2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	50 or more	21	11	0.3%	0.1%	25	9	0.3%	0.1%	46	20	0.6%	0.3 %
	From 35 to 49	78	62	1%	0.8 %	59	44	1%	0.6 %	137	106	2%	1.4 %
	Under 35	98	72	1.2%	1.0 %	73	61	0.9%	0.8 %	171	133	2.1%	1.8 %
Brazil	50 or more	14	29	0%	0.1%	17	20	0%	0.1%	31	49	0%	0.1%
	From 35 to 49	284	648	0.8%	1.9 %	176	480	0.5%	1.4 %	460	1,128	1.3%	3.3 %
	Under 35	593	1,155	1.7%	3.3 %	552	1,157	1.6%	3.3 %	1,145	2,312	3.3%	6.7 %
Spain	50 or more	14	30	0%	0.1%	7	18	0%	0.1%	21	48	0%	0.2 %
	From 35 to 49	81	132	0.3%	0.5 %	47	87	0.2%	0.3 %	128	219	0.5%	1.0 %
	Under 35	80	132	0.3%	0.5 %	63	72	0.2%	0.3 %	143	204	0.5%	0.7 %
United Kingdom	50 or more	15	14	0.2%	0.2 %	9	5	0.1%	0.1%	24	19	0.4%	0.3 %
	From 35 to 49	80	44	1.2%	0.8 %	44	14	0.7%	0.2 %	124	58	1.9%	1.0 %
	Under 35	262	96	4.0%	1.7 %	212	92	3.3%	1.6 %	474	188	7.3%	3.3 %
Others	50 or more	2	5	0.5%	0.8 %	3	2	0.7%	0.3 %	5	7	1.2%	1.1 %
	From 35 to 49	2	10	0.5%	1.6 %	3	4	0.7%	0.7 %	5	14	1.2%	2.3 %
	Under 35	3	10	0.7%	1.6 %	4	3	1.0%	0.5 %	7	13	1.7%	2.1 %
Hispam	50 or more	18	32	0.1%	0.1%	8	12	0.0%	0.0 %	26	44	0.1%	0.1 %
	From 35 to 49	243	364	0.7%	1.1 %	125	169	0.4%	0.5 %	368	533	1.1%	1.6 %
	Under 35	443	504	1.3%	1.5 %	326	355	0.9%	1.1 %	769	859	2.2%	2.6 %
Total Group	50 or more	84	121	0.1%	0.1%	69	66	0.1%	0.1%	153	187	2.4%	0.2 %
	From 35 to 49	768	1,260	0.7%	1.2 %	454	798	0.4%	0.7 %	1,222	2,058	1.1%	1.9 %
	Under 35	1,479	1,969	1.3%	1.8 %	1,230	1,740	1.1%	1.6 %	2,709	3,709	0.1%	3.5 %

¹² The percentage of voluntary turnover is calculated by dividing the number of departures by the average physical workforce.

Turnover by type of leave⁽¹³⁾

Region	Dismissals ¹⁴				Voluntary leavers ¹⁵				Change of perimeter and internal movements ¹⁶				Other departures ¹⁷				Total	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	281	713	19.2%	31.2%	354	259	24.1%	11.4%	13	526	0.9%	23.1%	819	784	55.8%	34.4%	1,467	2,282
Brazil	3,366	4,984	62.6%	55.6%	1,636	3,489	30.4%	38.9%	374	468	7.0%	5.2%	5	21	0.1%	0.2%	5,381	8,962
Spain	273	229	3.8%	1.5%	292	471	4.1%	3.2%	1,516	3,863	21.2%	25.9%	5,067	10,370	70.9%	69.4%	7,148	14,933
United Kingdom	411	44	36.7%	0.7%	622	265	55.6%	4.1%	8	6,211	0.7%	94.8%	78	31	7%	0.5%	1,119	6,551
Others	11	40	33.3%	22.0%	17	34	51.5%	18.7%	4	76	12.1%	41.8%	1	32	3.0%	17.6%	33	182
Hispam	1,653	3,262	34.1%	43.9%	1,163	1,436	24%	19.3%	905	1,848	18.7%	24.9%	1,125	890	23.2%	12%	4,846	7,436
Total Group	5,995	9,272	30%	23%	4,084	5,954	20.4%	14.8%	2,820	12,992	14.1%	32.2%	7,095	12,128	35.5%	30.1%	19,994	40,346

Relevant KPIs from O2 UK and Virgin Media UK joint venture.

-O2 UK: Total leaves = 1,019; voluntary leaves = 836; involuntary leaves = 183.

-Virgin Media UK: Total leaves = 1,048; voluntary leaves = 808; involuntary leaves = 240.

*O2 UK and Virgin Media UK data consolidates the information from June 1 to December 31.

Average staff turnover by type of leave⁽¹⁸⁾

Region	Dismissals		Voluntary leavers		Change of perimeter and internal movements		Other departures		Total	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	3.5	9.4	4.4	3.4	0.2	6.9	10.3	10.3	18.4	30.1
Brazil	9.8	14.4	4.7	10.1	1.1	1.4	0.01	0.1	15.6	25.9
Spain	1.0	0.8	1	1.6	5.3	13.5	17.8	36.2	25.2	52.1
United Kingdom	6.3	0.8	9.6	4.6	0.1	108.5	1.2	0.5	17.2	114.4
Others	2.6	6.5	4.1	5.6	1.0	12.4	0.2	5.2	7.9	29.8
Hispam	4.7	9.8	3.3	4.3	2.6	5.6	3.2	2.7	13.9	22.4
Total Group	5.3	8.6	3.6	5.5	2.5	12.1	6.3	11.3	17.7	37.6

¹³ % calculated on the total number of departures.

¹⁴ Dismissals layoffs

¹⁵ Resignations

¹⁶ Departures due to a change to other companies within the Group's consolidation perimeter or due to a change of perimeter (departure to another company outside the Group's consolidation perimeter).

¹⁷ Attrition due to licences and/or works/services contracts.

¹⁸ % calculated on average headcount.

2.6.6.3. Commitment and motivation

Employee Net Promoter Score (eNPS)⁽¹⁹⁾

Region	eNPS Total		eNPS Men		eNPS Women	
	2020	2021	2020	2021	2020	2021
Germany	54	60	52	57	57	66
Argentina	58	57	60	60	55	53
Brazil	79	80	70	77	76	84
Chile	75	68	75	67	76	68
Colombia	86	80	86	80	87	81
Ecuador	83	65	85	68	82	61
Spain	62	63	59	61	65	67
Mexico	81	70	79	68	84	73
Peru	35	39	34	37	36	41
Uruguay	78	63	76	56	81	70
Venezuela	91	86	89	83	92	89
Others	43	38	41	34	46	45
Hispam	67	63	66	63	68	64
Total Group	65	67	64	64	70	71

2.6.6.4. Collective bargaining agreements

GRI 102-41

Percentage of total employees covered by collective bargaining agreements⁽²⁰⁾

Country	2020	2021
Germany	86.1%	0.0%
Argentina	76.3%	76.4%
Brazil	93.3%	94.3%
Chile	84.6%	88.0%
Spain	63.7%	60.5%
Peru	38.8%	36.6%
United Kingdom	59.0%	0.0%
Total Group	68.5%	62.5%

¹⁹ See definition in 2.6.5.1 Attraction, retention and skills development.²⁰ 100% of Telefónica's employees, both in 2020 and 2021, were covered by a labour framework regulating their working conditions. For the year 2021, a modification has been made in the German remuneration system, which is not based on collective agreements, so that the coverage representativeness for Germany becomes 0%. On the other hand, the total Group data for 2020 included the coverage of the employees of the United Kingdom operation. After the joint venture (which became effective in June 12021) between O2 United Kingdom and Virgin Media United Kingdom, for 2021 the data for this group of employees is not taken into account at the end of the year.

2.6.6.5. Training indicators

GRI 404-1

Total number of hours of training by professional category, gender and region

Region	Hours of training		Hours of training for Executives (men)		Hours of training for Executives (women)		Hours of training for Middle Management (men)		Hours of training for Middle Management (women)		Hours of training for Other Professionals (men)		Hours of training for Other Professionals (women)	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	91,186	130,944	1,420	1,318	612	653	6,996	7,411	2,104	2,770	46,757	69,666	33,297	49,126
Brazil	1,044,302	2,562,667	21,258	15,187	10,077	8,379	34,302	56,275	22,250	60,004	461,333	1,114,088	495,082	1,308,733
Spain	1,074,212	693,782	15,622	15,330	7,178	6,420	53,868	34,571	27,122	17,277	620,435	410,532	349,987	209,652
United Kingdom	147,021	151,996	1,969	1,732	746	1,121	14,868	15,304	6,430	6,845	69,851	76,150	53,156	50,844
Others	5,047	2,911	430	303	125	82	2,239	194	1,161	65	501	1,194	591	1,072
Hispam	1,187,357	672,323	18,898	7,378	9,296	3,386	70,150	43,115	39,943	24,663	596,350	334,451	452,719	259,330
Total Group	3,549,124	4,214,623	59,596	41,247	28,035	20,042	182,423	156,870	99,009	111,625	1,795,228	2,006,081	1,384,832	1,878,759

Hours of training per employee; by professional category, gender and region(*)

Region	Hours of training per employee		Hours of training per Executive employee (men)		Hours of training per Executive employee (women)		Hours of training per Middle Management employee (men)		Hours of training per Middle Management employee (women)		Hours of training per Other Professionals employee (men)		Hours of training per Other Professionals employee (women)	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Germany	12	17	8	8	11	12	12	14	12	17	11	17	12	19
Brazil	30	74	20	14	20	16	23	38	36	103	27	64	37	97
Spain	38	24	14	15	14	13	27	25	28	28	40	26	40	23
United Kingdom	23	27	9	9	7	11	20	23	17	21	24	29	27	28
Others	12	5	10	7	11	5	13	6	15	4	9	3	11	7
Hispam	34	20	26	13	29	15	30	19	39	24	31	18	41	24
Total Group	32	39	18	14	19	15	25	26	30	43	30	35	36	51

(*) For the year 2021, a review of the methodology for calculating hours per employee has been carried out thanks to the provision of a more detailed set of information, improving the indicator as it is more exhaustive (calculation carried out through the ratio of hours with respect to the average physical workforce of employees of the reporting period, for each dimension). However, due to the exercise carried out during 2021 to adapt the exhaustiveness of the calculation, this methodology differs from the calculation carried out in 2020, so comparability between the two exercises is not guaranteed.

2.6.6.6. Remuneration indicators

GRI 102-38, 103, 202-1, 405-2

Average remuneration and its evolution, broken down by gender, age range and professional category

Telefónica Group		Women		Men		Pay Gap			
Professional Category	Age range	Average Total Remuneration (*)		Average Total Remuneration (*)		Base Salary (%)	Total Remuneration (%)		
		2020	2021	2020	2021		2020	2021	2020
Group		31,513	30,831	39,316	39,422	19.26%	20.77%	19.85%	21.79%
Executives	50 or more	146,967	142,911	167,922	178,565	9.42%	13.10%	12.48%	19.97%
	From 35 to 49	93,832	91,733	103,555	103,279	7.18%	7.82%	9.39%	11.18%
	Under 35	56,829	51,029	56,432	55,798	-1.32%	7.81%	-0.70%	8.55%
Middle Management	50 or more	64,274	65,096	61,950	59,357	-5.35%	-10.80%	-3.75%	-9.67%
	From 35 to 49	49,952	43,403	50,266	44,028	-0.25%	0.48%	0.62%	1.42%
	Under 35	33,069	26,126	33,657	27,573	4.23%	7.75%	1.75%	5.25%
Other Professionals	50 or more	46,012	48,718	49,385	52,205	5.63%	5.45%	6.83%	6.68%
	From 35 to 49	29,909	29,126	32,818	32,398	6.70%	8.41%	8.86%	10.10%
	Under 35	16,455	14,714	19,123	18,126	15.57%	20.76%	13.95%	18.82%

(*) In order to report the total average remuneration of all the employees of the Group, all the executive positions of the Company have been joined up under the same category, "Executives", including directors and managers, given that the design of the remuneration mix (fixed remuneration, annual variable remuneration, eligibility to the long-term incentive plan and other items) is aligned with business, value creation, sustainability, and financial objectives.

Average Total Remuneration includes all salary concepts paid during 2021. These concepts are total base salary, bonuses, commissions, and commercial incentives paid, long-term incentives paid and benefits in-kind, including social benefits, accumulated in one year.

In 2021, the results of the gender pay gap have increased because T. UK no longer consolidates in the Group annual report. If third parties in United Kingdom were considered within the calculation, the result would have been closed to 19.41%.

Following our commitment to transparency of previous years, we publish results taking into account all salary concepts paid during the year.

Total Average Remuneration Ratio relative to Executive Chairman (CEO)

Executive Chairman (CEO)	Total average remuneration ratio (*)
2021	6,801,849

(*) The ratio of the total annual remuneration of the Executive Chairman (CEO) and the average total remuneration of all employees based in Spain during 2021 is 106:1. This analysis considers the total remuneration accrued by the Executive Chairman in 2021, which includes the sum of the fixed remuneration, short-term variable pay, long-term incentive and the benefits; the same elements have been considered for all active employees based in Spain as of December 31, 2021.

Total Average Remuneration of Directors by gender

Directors	Women		Men	
	2020	2021	2020	2021
	147,987	140,577	969,026	1,504,502

More complete and detailed information can be found in the chapter 5 of this report (Annual Report on Directors' Remuneration) and on the Telefónica website.

Ratio of minimum wage paid in Telefónica to local minimum wage

Country	Women	Men
Germany	1.02	1.02
Argentina	1.29	1.13
Brazil	1.06	1.06
Chile	1.13	1.18
Colombia	1.00	1.00
Ecuador	1.00	1.00
Spain	1.01	1.01
Mexico	1.39	1.39
Peru	1.00	1.00
Uruguay	1.75	1.42

> Gender pay gap

Gross and adjusted pay gap

Country	Employees		% Men		% Women		Gross Gap		Adjusted Gap (3)	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
Group Total (1)	109,703	101,520	62%	62%	38%	38%	19.85%	21.79%	2.50%	1.18%
Germany	7,801	7,094	63%	63%	37%	37%	20.63%	21.03%	3.93%	4.28%
Argentina	13,599	12,267	68%	67%	32%	33%	8.21%	7.18%	1.61%	-0.41%
Brazil	34,255	34,368	58%	58%	42%	42%	23.34%	24.55%	3.65%	2.71%
Chile	4,266	4,053	69%	70%	31%	30%	12.91%	14.93%	3.86%	2.32%
Colombia	6,160	5,730	57%	58%	43%	42%	19.89%	13.94%	4.95%	-0.80%
Ecuador	1,026	922	61%	62%	39%	38%	17.67%	17.51%	-1.51%	-0.14%
Spain	28,268	28,943	65%	65%	35%	35%	15.38%	15.08%	2.48%	2.43%
Mexico	1,840	2,096	68%	66%	32%	34%	6.07%	14.39%	1.65%	0.08%
Peru	5,185	4,559	66%	65%	34%	35%	6.77%	7.82%	3.38%	2.32%
United Kingdom	6,251	0	61%	0%	39%	0%	14.07%	0.00%	1.18%	0.00%
Uruguay	632	580	50%	49%	50%	51%	32.20%	31.88%	2.37%	-0.94%
Others (2)	840	908	69%	73%	31%	27%	25.17%	20.98%	—	0.00%

The information refers to 100% of the total workforce.

(1) Information of all Telefónica countries except Venezuela, due to its hyperinflation economic situation.

(2) Others includes other countries such as: Bolivia, Belgium, China, Denmark, Estonia, France, Greece, Netherlands, Hungary, Ireland, Italy, Luxembourg, Poland, Portugal, Puerto Rico, Romania, Sweden, Switzerland, United States.

(3) The adjusted gender pay gap is calculated using a mathematical regression model that relates employee pay to personal characteristics such as job responsibility and specialization, personal and professional experience, country, seniority, legal entity and the working time schedule (full and part time).

Gender Pay Gap calculation

In order to calculate the gender pay gap, we have taken into account the total average remuneration from men minus total average remuneration from women divided by total average remuneration from men.

The total average remuneration includes all salaries received by the employee for one year. These concepts are:

- » Total Annual Base Salary
- » Bonus, commissions, commercial incentives, and other payments in one year
- » Benefits in kind, including social benefits accumulated in one year
- » Long term incentives (shares) paid in one year

The scope of this analysis considers all the employees in Telefónica Group up to 31st December of the analysed year.

2.7. Digital inclusion

GRI 102-2

KEY POINTS

- Driving digital inclusion and people-centred digitalisation is an intrinsic part of our purpose as a company.
- The World Benchmarking Alliance recognised us as the world's largest operator in the digital technology (ICT) sector for our commitment and work towards digital inclusion.
- During 2021, we maximised the roll out of broadband networks, digital skills training and the development of solutions designed to help people reap the full benefits of the new digital revolution.

2.7.1. Vision

Reliance on digital services for the functioning of society - from commerce to education - has accelerated in recent years, largely in the wake of the health crisis, and this has shed light on how ill-equipped some sectors are to take advantage of the benefits and opportunities the digital revolution offers.

Thus connectivity and digitalisation are, and will be, key elements in the recovery and reconstruction process.

Technological and digital transformation can remove obstacles that currently seem insurmountable. Digital solutions have shown that they can have a positive impact to tackle social challenges and contribute to transform communities and boost the economy.

In this regard, **digital inclusion**, defined as the expansion of global connectivity and the adoption of digital services and use of new technologies, is the main catalyst that facilitates access to those populations that were not previously connected, or to groups and social groups with difficulties in making use of new digital services.

2.7.2. Risks and opportunities

Although the deployment of telecommunications infrastructure in recent years has connected a large part of the world's population to the Internet and new digital services, there are still challenges and barriers that need to be overcome to bridge the digital divide. According to studies by the GSMA, the international association of mobile operators, there are five main barriers:

1. Availability of high-speed networks enabling access to broadband services, mainly in remote or rural environments;
2. Lack of digital knowledge and skills among the population;

3. Affordability: the ability of consumers to afford new digital services;
4. Relevance and usefulness of new services that make them attractive to use, and;
5. Concerns about the security and privacy of technological solutions, and the risks associated with the use of online services.

In addition to these barriers, we must consider the risks related to increasingly stringent regulations in matters related to digitalisation and access to communications, which change the context in which we operate.

Despite the complexity of some of these challenges and associated risks, the opportunities for society are enormous: **digitalisation**, as demonstrated during the pandemic, **has become a key pillar of economic development**, health, education, public administration management, and so on. In this context, telecommunications companies have become central to keeping society and the economy active and connected, and delivering solutions capable of addressing the major challenges ahead.

It is, therefore, a question of growth opportunities for our business due to the new possibilities opened up by being able to reach new market segments, and also a question of social commitment due to the impact that our activity and services have on the socio-economic development of the regions in which we are present.

2.7.3. Strategy and commitments

As part of our purpose to "**make our world more human by connecting people's lives**", we are committed to bringing the best connectivity and the latest technology to everyone, leaving no one behind, advocating for **ethical, people-centred digitalisation**.

Our strategy is thus to connect and digitalise society, making it easier for the majority of the population to have access to technology and avoiding the inequality of opportunities that could arise from the digital divide.

We promote inclusive connectivity, bringing digitalisation to all people and driving the social and economic development of communities.

Our lines of action to boost digital inclusion are based on four pillars:



Inclusive access

→ **Connectivity deployment**

Ensuring that everyone has access to broadband communication networks in all regions, both urban and rural

→ **Accessibility**

Making sure that our digital services are accessible so that everyone, regardless of physical capabilities, can make use of them

→ **Affordability**

Working to prevent cost being a barrier to using new technologies, by offering options and rates that are affordable for the whole population



Training about digital skills

→ **Basic digital skills**

Offering our knowledge and capabilities to improve the digital skills of those who most need it

→ **Intermediate digital skills**

The goal is to train up in the use of programming tools and technology to improve the skills of the entire population

→ **Employability and training in advanced digital skills**

Training young people in the professions of the future which will require advanced knowledge of technology and communications



Innovation and relevant services

→ **Sustainable Innovation: new services with a social impact**

Developing new solutions and innovative services that improve people's lives and which are useful and relevant

→ **Technology at the service of people with disabilities**

We ensure that technology becomes a key tool to improve the lives of people with different abilities



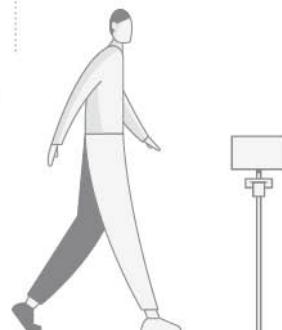
Safe and responsible use of technology

→ **Privacy and security**

Ensuring that products and services meet the strictest privacy and security standards to generate confidence in use of new technologies

→ **Responsible use**

Protecting and fostering responsible use of technology



2.7.3.1. Inclusive access

Internet access and new digital services are a cornerstone in achieving many of the Sustainable Development Goals (SDGs). In this regard, as well as to ensure that everyone has access to digitalisation, we are working on several lines of action.

> Connectivity roll-out

The roll-out of next generation broadband networks, together with measures to boost digitalisation, has a direct impact on socio-economic development and on the lives of many people.

Specifically, the roll-out of fibre optics and the development of digital services in rural areas could **increase the average annual income per inhabitant by up to 3.9% and reduce the unemployment rate by approximately 1%** through the promotion and creation of service companies²¹.

Our strategy focuses on the following lines of action:

Connecting the unconnected

Millions of people still do not have access to the internet, or the connectivity available to them is very limited, especially in rural or hard-to-reach regions.

This is why we launched the *Internet for All* project in Latin America a few years ago, starting with Peru, where we have already connected more than 4,000 communities in remote areas.

In countries such as Brazil, Colombia and Germany, we have also announced plans to extend coverage and share infrastructure with other operators in order to provide mobile broadband and fibre service to these regions.

We improve and adapt old networks to new social demands

We evolve older communications networks to provide the capacity needed for an increasingly digitalised economy.

New digital services require new advanced infrastructure to ensure sufficient capacity to be used. For this reason, we are upgrading and expanding our networks to next-generation technologies that offer ultra-broadband services (5G or fibre optic).

> Accessibility

People-centred digitalisation needs to focus on building confidence in the use of technology and the ability to use technology responsibly, so that no one is left behind due to lack of access.

Currently, many people with disabilities do not have access to the online world such as e-commerce, financial solutions, health services, entertainment, etc. For this reason, we are constantly working to facilitate access to digital services: television, devices, mobile applications or web portals.

Television: our Movistar+ platform has a functionality that is unique in the world, which allows access to content adapted for the hearing and visually impaired through the Movistar+ 5S functionality.

Terminals and mobile devices: we work with terminal manufacturers to enhance new capabilities in mobile devices that make them more accessible and easier to use for people with different disabilities.

Mobile applications and web portals: through our responsible design framework, we have incorporated the accessibility of our online developments as a requirement, following the guidelines defined by the Web Accessibility Initiative (WAI) of the international organisation World Wide Web Consortium (W3C).

Development of innovative solutions through technology to facilitate the quality of life of people with disabilities.



Go to chapter 2.9 Responsibility in our products and services

> Affordability

The roll-out of connectivity always entails a cost that is passed on in the prices of the services offered.

Although the take-up costs of fixed broadband, and especially mobile broadband, have fallen significantly over the last decade, we are continuing to work on new business models that will allow us to offer increasingly affordable rates and thereby ensure universal access to communications services.

Pay-as-you-go mobile service, specific broadband packages and service packages for small businesses and entrepreneurs are just some of the key tools we use at Telefónica to facilitate access to telecommunications services.

In each of the countries where we provide our services, we analyse and seek business models that facilitate access to all segments of the population and, in some of these countries, we contribute to the Universal Service Fund or collaborate with public administrations to offer subsidised or regulated services.

The Universal Service Fund is a public investment fund whose objective is to guarantee services for all users

²¹ Source: Report on the Impact of Fibre Optic Deployment in Rural Areas - Telefónica 2020.

regardless of their geographical location in compliance with quality standards and at an affordable price. The investment is controlled by the public bodies designated for this purpose in each country.

2.7.3.2. Training in digital skills and new technologies

We are committed to placing the great opportunities brought about by the technological revolution at the service of as many people as possible, and we know that a key part of this is ensuring they have the digital skills to make effective use of digital services.

Moreover, the entire new digital revolution is irreversibly changing the labour market and new needs are emerging and new skills are being demanded from professionals and workers in many industrial sectors.

For this reason, as part of our corporate purpose, *Fundación Telefónica* and our business unit, *Telefónica Educación Digital*, **work every day to help people to acquire the digital knowledge and skills necessary to access the Internet** and make use of new services, facilitating education at several levels:

> Training in basic technology skills

We work on initiatives, both our own and those conducted in collaboration with third parties, that help people who do not have basic knowledge of new technologies to learn how to use them. The following programmes are examples:

Digital mobil im Alter (digital mobile for seniors) in Germany: training programme in the use of mobile terminals such as tablets or smartphones for seniors.

O2 Gurus: specialised sales staff help answer questions about technology and services, as well as giving indications and advice for better use of mobile devices.

Conecta Educación: personalised online training programme (courses and workshops) aimed at promoting the digital transformation of social action and adapted to different levels of digital literacy and labour market needs.



> Training in intermediate technology skills

At this level, the programme run by *Fundación Telefónica (Conecta Empleo)* is one of the most renowned employability programmes, offering free online courses, programmes and digital tools to train for the most demanded jobs.

In addition, the programme has two tools aimed at facilitating the user's decisions: Employment Map, which helps in the choice of courses by showing the most in-demand digital jobs, and Virtual Career Advisor, a chatbot based on artificial intelligence and big data that advises participants in designing the most suitable professional path for themselves.

The programme also includes the *Lanzadoras Conecta Empleo* shuttles: *Lanzadera Conecta Empleo* (LCE), *Satélites de Empleo* (SE) and *Alfabetización Digital* (AD). They aim to adapt career guidance to the challenges of the digital age and ever-changing labour market.

> Education and training in advanced digital skills

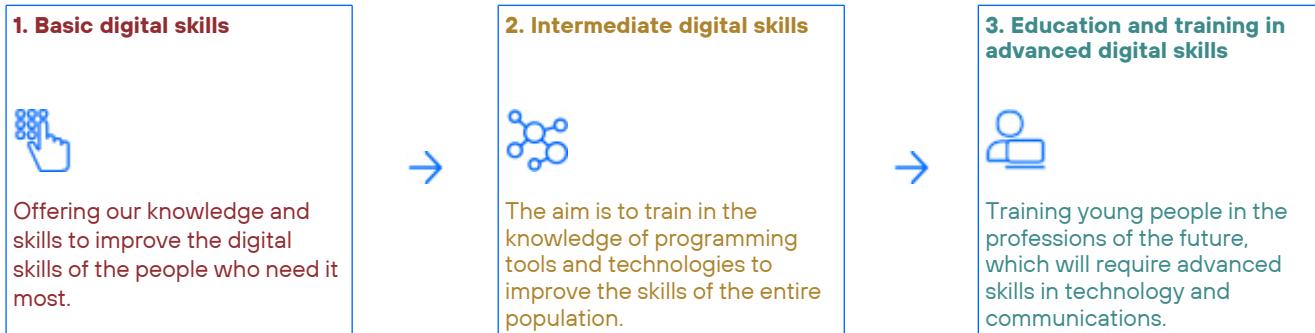
In this regard, *Fundación Telefónica* has reached an agreement with the international organisation *École 42* to promote the *42: Programming Campus* project. This initiative aims to make digital training an attractive and accessible educational option for many young people.

Based on an innovative methodology of proven effectiveness in other countries, '42' offers free and open training. Its educational model is based on peer-to-peer learning. It is participatory and gamified, and developed through the implementation of projects in different branches of programming. Each student sets his or her own pace of learning and the emphasis is on collaborative work in order to also teach values such as effort, tolerance of frustration, the ability to improve, and teamwork.

'42' has been recognised in the Top 10 World's Universities with Real Impact (WURI) for its high level of excellence in programming education.

Training in digital skills

We want everyone to have technology know-how at their fingertips



2.7.3.3. Innovation and development of services relevant to society

Having access to networks, and ensuring people have the necessary skills and knowledge, is essential but not enough to ensure everyone is ready to make use of new digital capabilities. **Solutions, services and content are needed to add value to people's daily lives.**

The development of such solutions and content also allows us to respond to social challenges related, for example, to health, education, rural economic development and security, among other issues.

Therefore, on the one hand, we innovate in new ranges of services and, on the other, we encourage technology to become a key tool in the development of a more inclusive society for people with disabilities.

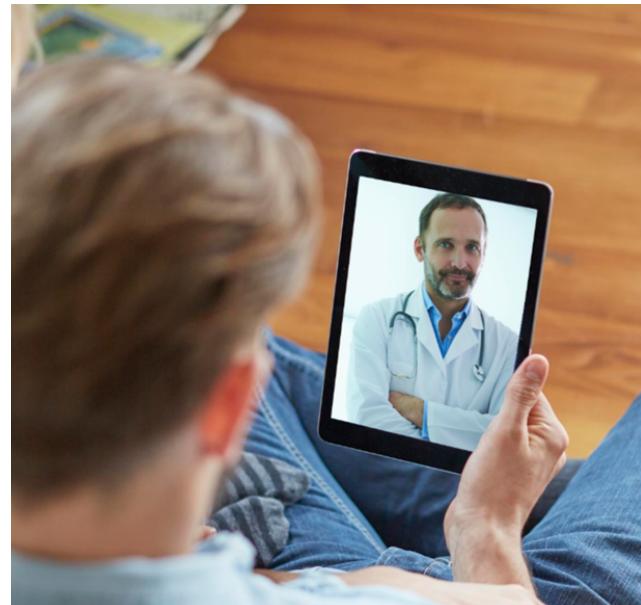
> Sustainable innovation: new services with social impact

Financial inclusion

We facilitate access to loans and insurance through mobile financial products (*Movistar Money*), thereby reducing barriers to accessing finance and financial resources.

Health solutions

We bring healthcare closer to people, relying on technology, facilitating the connection between patients and health professionals with products such as *Movistar Salud* in Spain or *Vida V* in Brazil. In this way we contribute directly to achieving Sustainable Development Goal 3 (Good Health and Well-being).



Digitalisation of the rural environment

Smart Agro solutions that inform farmers about factors such as soil moisture and soil water consumption, allowing them to optimise irrigation and thus improve crop yields. A solution designed to drive a more sustainable model of agriculture able to cope with the challenges caused by climate change.

Data and artificial intelligence solutions

Services which look to solve social or environmental problems (**big data/AI for Social Good**) with applications for monitoring infectious diseases or analysing air quality in large urban environments.

Security services

Products that help guarantee the security and integrity of people and businesses, such as the range of commercial services offered through *Movistar Prosegur*.

> Technology serving people with disabilities

Technology has become one of the main allies of people with disabilities. Therefore, we want to build a more accessible world, ensuring access to the benefits of the digital transformation for everyone. This objective is aligned with the firm commitment to be a more inclusive company: "we want to put the customer at the center of everything we do, leaving no one behind".

An example of this commitment is Telefónica's adherence to the Principles for Driving the Digital Inclusion of Persons with Disabilities promoted by the GSMA, which seek to close the digital divide for people with disabilities through a specific framework for action for telecoms operators.

This commitment is reflected in the development of products and services adapted to the needs of people with disabilities and in actions aimed at improving the accessibility of customer service and communication channels.

Along these lines, and within the global *Telefónica Accessible* project, we are seeking to integrate the concept of *Design for All* into our value chain, from the conception of our products and services, through the *Responsibility by Design* project.

In addition to **training and raising awareness** in the areas responsible, achieving technological solutions that enable access to information for people with disabilities requires us to work with benchmark associations in the field of disability to gain a better understanding of the needs and demands of this segment. In Spain, this is with *Fundación ONCE*, *ILUNION* and *CNSE*, among others.

At the same time, we are working to ensure the same user experience for all our customers, by improving the **accessibility of our customer service and communication channels**, whether online or offline. Along these lines, we guarantee the accessibility of call centers in some of our operations, such as Colombia or Spain, where our hearing-impaired customers can communicate through video interpretation.

As far as shops are concerned, we offer video interpreting services in countries such as Chile and Brazil. In addition, in Argentina, we have developed and implemented the inclusive customer service API tool, which reduces barriers in in-person communication with our customers through an application. Besides, we train our operations sales force in specific approaches when attending people with disabilities.

Regarding terminals, we provide information on the accessibility features of the new mobile devices in our catalogue. This means customers can identify the best terminals for overcoming visual, auditory, cognitive and dexterity difficulties through a set of icons.

2.7.3.4. Safe and responsible use of technology

The last major milestone in bridging the digital divide is to build trust in new services and thereby minimise concerns and misgivings about the security, risks or privacy of the services.

For this reason, we are working on two lines of action that allow us to address this problem from a holistic viewpoint, not only by responding to all risks related to information privacy or security of services, but also by promoting responsible use of new technologies, mainly aimed at the most vulnerable groups such as those most affected by inappropriate use of services, such as children.

> We guarantee the privacy and security of people accessing digital services

Data privacy and the security of our services are two strategic elements within the company.

In addition to our policies and commitments, we also have commercial solutions such as *Conexión Segura* ('Secure Connection') which is offered with smart Wi-Fi devices and ensures secure Internet browsing from devices connected to the network. This free service filters out more than 250 million threats annually. For more information on privacy and security see chapter 2.15 Privacy and security.



[Go to chapter 2.15 Privacy and security](#)

> We encourage and train people in the responsible use of technology

In this line of activity, we promote the training and awareness-raising of the population regarding the responsible and correct use of new technologies, as well as the capacity to know how to respond appropriately to attempts at fraud and infringements of the privacy or security of the people who use the services. For more information, please see the chapter on Responsibility in our products and services.



[Go to chapter 2.9 Responsibility in our products and services.](#)

Targets

> Connectivity roll-out

In the coming years, we have ambitious goals to further deploy the best and most efficient connectivity:

Achieve broadband coverage of 90-97% of the population, within our main markets in 2024, strengthening our commitment to the development of rural areas.

Spain: to achieve 100% fibre optic coverage by 2024.

Germany: 50% of the population with 5G by 2022, as well as boosting fibre roll-out in rural municipalities in collaboration with other partners. Over the next six years, our joint venture with Allianz aims to serve 2.2 million people, predominantly in rural areas, by investing €5 billion. This will allow 50,000 km of fibre optics to be installed in the next 6 years.

Colombia: the new company created by Telefónica and KKR will bring Fibre-To-The-Home (FTTH) to 4.3 million covered dwelling units in around 90 cities over the next three years.

Brazil: FiBrasil (a new joint venture created between Telefónica Group and CDPQ) aims to bring fibre infrastructure to 5.5 million homes and businesses in the next 4 years.

Internet for All (Peru): aims to reach more than 6 million Peruvians in rural localities on the coast and in the highlands and jungle of the country with 4G mobile broadband coverage.

> Accessibility

Our goal is to ensure 100% accessibility of our digital solutions, so that they can be used by all people regardless of their physical capabilities.

> Education and training in digital skills

We are converting the 140,000m² of our headquarters in Madrid (*Telefónica District*) into a network of intelligent buildings connected to each other to optimise the exchange of information and technology. It will have the capacity to train 100,000 people a year in new digital skills.

> Technology at work for people with disabilities

In Spain, we have set ourselves the goal that **100% of products and services will be integrally designed with this approach by 2022**.

2.7.4. Progress in 2021

In 2021, we were recognised by the World Benchmarking Alliance, an international organisation that evaluates the top 150 companies in the technology and communications sector, as the world's top company for our commitment to digital inclusion.

We were recognised in 2021 as the No. 1 company in the ICT sector worldwide in the Digital Inclusion Benchmark.

Highlights of our progress in the financial year include the following:

> Connectivity roll-out

At year-end, we had achieved 4G/LTE coverage of more than 90% of the population in the four main countries in which we operate.

In addition, we managed to bring 5G to more than 80% of the population in Spain and are developing an ambitious project in Germany to cover all rural areas with broadband technology.

Similarly, we reached agreements in Germany, Colombia and Brazil to boost and accelerate fibre optic deployments, mainly in rural areas, and started working with Skydweller Aero Inc. to explore the development of new connectivity solutions to accelerate the expansion of mobile coverage in remote regions.

Meanwhile, and in line with the objective of continuing to invest in connecting the unconnected, we issued two sustainable hybrid bonds in February and November, which incorporate, as commitments to society, the deployment and improvement of broadband connectivity in areas that were disconnected or whose connectivity was limited.

Finally, we renewed our partnership with CAF (Development Bank of Latin America) until 2022 to promote digitalisation in the Latin American region, with special emphasis on the 'Internet for All' project, where we participate directly with CAF, Facebook and IDB Invest. Specifically, in Peru by the end of 2021, 13,485 rural communities had access to 4G, enabling connectivity to more than 2.4 million people.

> Affordability

During 2021, we have invested in Universal Service in 7 countries.

Universal Service (€ millions)

	2020	2021
Argentina ⁽¹⁾	39	47
Brazil ⁽²⁾	70	62
Colombia ⁽³⁾	40	36
Ecuador ⁽⁴⁾	3	3
Spain ⁽⁵⁾	8	8
Peru	13	11
Venezuela	1	2

(1) Argentina: the value reported for 2021 includes only contributions for the period January–November 2020.

(2) Brazil:

2020: FUST 272,159,651.65 and FUNTTEL 136,079,828.11

2021: FUST 265,473,846.59 and FUNTTEL 132,736,925.05

(3) Colombia: includes payments derived from revenues from the provision of telecommunications services, plus the use of spectrum frequencies. Includes a recurring percentage (%) agreed with the Ministry for mobile spectrum renewal.

(4) Ecuador: Payments correspond to 1% of Universal Service (FODETEL, payment made quarterly based on the previous quarter's income). Includes payments for SMA, LDI, Carrier Service and VAS.

(5) Spain: The data for the years 2020 and 2021 includes adjustments of revenue provisions from years prior to that date, in accordance with the final

Mapcesible, the collaborative platform to facilitate travel and identify the accessibility of buildings, venues and tourist sites, reached 31,000 mapped locations by the end of 2021.

ViveLibre, a digital service specially designed to enhance autonomy of people with support needs. In 2021, prototypes of the ViveLibre Hogar sensor devices began to be deployed, through which we aim to generate predictive models that allow for the identification of alerts in a proactive and non-intrusive manner.

Accessible terminals for ONCE lottery sellers were rolled out in 2021. These incorporate text-to-voice conversion systems, special protection systems to withstand falls and adverse weather conditions, a more powerful scanner and bar code reader, and a screen using the Braille system, among other accessibility features.

In relation to our **customer service and communication channels**, the new corporate website, updated in 2021, maintained compliance with the Web Content Accessibility Guidelines 1.0 (WCAG 1.0), in its double-A level, established by the W3C (World Wide Web Consortium).

In addition, we expanded the number of shops that have a magnetic loop for the hearing impaired in the UK and Spain, increasing the previous offering.

Finally, it should be noted that in 2021 we reinforced accessibility training in key areas of the Company such as Communication, Marketing and Branding.



MILESTONES

Telefónica was recognised in 2021 as a global leader in digital inclusion by the World Benchmarking Alliance.

At year-end, we exceeded 90% 4G/LTE coverage in our main markets.

We reached agreements in Germany, Colombia and Brazil to boost and accelerate fibre optic deployments, mainly in rural areas.

> Digital skills training

The '42' programme has continued its expansion in Spain and is already active in the cities of Madrid and Urdúliz, Vizcaya, Málaga and Barcelona.

Miríadax was consolidated in 2021 as one of the five most important e-learning platforms worldwide, being a benchmark for online training in Spanish. It currently has more than 7.6 million registered students, over 100 educational partners and a teaching community of more than 3,500. The Profuturo programme has more than 19 million beneficiaries in 40 countries.

In addition, we continued our training programmes for older people in digital skills ('Mobil im Alter' in Germany) to prevent digital exclusion, and started to prioritise telephone support to older people in Spain, aware that they may have difficulties using other digital channels.

> Accessibility and innovation

During 2021, we enhanced our flagship solutions to address the needs of people with disabilities and the elderly:

Movistar+ 5S, the functionality that allows customers with hearing or visual disabilities to access content on the Movistar+ television platform, increased its content offering, providing around 900 triple-accessible contents.

2.8. Human Rights

KEY POINTS

- We have a strong commitment to respecting and promoting human rights, governed at the highest level with a clear accountability process.
- We have a due diligence process in place and carry out impact assessments in all our operations in order to identify, prevent, mitigate and remedy potential human rights impacts.
- We have been ranked as the 1st telco worldwide by Ranking Digital Rights for our commitment to human rights, privacy and freedom of expression.

2.8.1. Vision

There are many challenges facing us as a planet and as a society. The climate crisis, digital divide, social inequality and the violation of people's rights are just a few examples. But, fortunately, today more than ever, we have strong commitments and tools to address them at all levels (government, business and civil society).

From a business viewpoint, and more specifically at Telefónica, we want to contribute to the sustainability and we see ourselves as part of the solution to many of the aforementioned challenges. Specifically, on human rights, we embrace the UN Declaration of Human Rights of 1948, as well as subsequent standards such as the UN Guiding Principles on Business and Human Rights of 2011, and assume the corresponding responsibility to respect and promote human rights.

What is more, we go beyond our internal ecosystem and ensure respect for human rights throughout our value chain. To this end, we implement various initiatives and measures to ensure the respect for human rights of our suppliers in the supply chain as well as our customers through the development of responsible products and services.

2.8.2. Governance

We have defined a governance model led by the Board of Directors that involves all relevant hierarchies and areas of the company at global and local level (more information in the box below: Human rights governance) to ensure that our commitment to human rights permeates our day-to-day business at all levels.

Human rights governance

 Board of Directors	Periodicity: permanent
	Responsibilities: approves Responsible Business Plan (including human rights objectives/projects).
 Sustainability and Quality Committee*	Periodicity: monthly <small>*</small> Permanent Committee of the Board
	Responsibilities: supervision of Responsible Business Plan (and therefore human rights issue) through regular reporting by Responsible Business Office.
 Responsible Business Office	Periodicity: permanent supervision and quarterly reporting
	Responsibilities: defines and monitors Responsible Business Plan (and thus human rights issue). Brings together all the company's strategic department heads and is led by the Corporate Ethics and Sustainability Department
 Coordination and dialogue with teams at local level	Periodicity: permanent
	Responsibilities: ongoing dialogue with local teams to ensure consistent implementation of the human rights policy in the company

2.8.3. Policies

Our main internal human rights policies and standards of conduct are:

- Global Human Rights Policy
- Supply Chain Sustainability Policy Regulation of the Responsible Business Channel
- Global Privacy Policy
- Global Security Policy
- Occupational Safety, Health and Well-being Policy
- Diversity and Inclusion Policy
- Responsible Communication Policy
- Global Environmental Policy
- Anti-Corruption Policy
- Global Regulation on Requests by Competent Authorities
- Principles of Artificial Intelligence

2.8.4. Risks and opportunities

We are fully aware that the nature and reach of our business means that we face risks of potential human rights' violations along the value chain

Data privacy and security, freedom of expression and decent working conditions are some examples of rights over which we play an essential role and must enforce, internally (employees) and externally (suppliers and customers).

Having said that, connectivity is also a key tool to facilitate and promote people's rights, for example through access to information and the exchange of ideas.

At Telefónica, we see this potential as an opportunity to develop products and services that encourage economic and social development.

Human rights in the value chain

 Human rights issues	Abolition of child/forced labour	Labour conditions	Non-discrimination	Data privacy and security
	Protection of the environment	Health and safety	Freedom of association	Access to information
 Value chain	  Suppliers < Upstream  Employees Downstream >  Customers			
 Internal policies	Supply Chain Sustainability Policy	Health and Safety Policy	Security Policy	Rules for Requests by Competent Authorities
	Environmental Policy	Diversity Policy	Anti-corruption Policy	Privacy Policy
	Commitment to protecting children	Non-discrimination Policy	AI Principles	Responsible Communication Policy

2.8.5. Strategy and commitments

Our strategy is to conduct a due diligence process along the entire value chain to respect and promote human rights throughout Telefónica's footprint. This is how we are able to manage the risks and opportunities arising from the analysis.

To this end, we have a **due diligence** system in place to help us identify, prevent, mitigate and remedy our (potential and actual) human rights impacts.

> Telefónica's due diligence on human rights GRI 103, 102-29, 408-1, 409-1, 412-1, 412-2, 412-3



Our due diligence system is based on the United Nations (UN) Guiding Principles on Business and Human Rights. As set out there, a public commitment to human rights endorsed at the highest level is essential.

> Phases of due diligence

1. Policy

We have a **Global Human Rights Policy (phase 1)**, approved by the Board of Directors, which aims to reaffirm our responsibility to respect and promote human rights and establish general guiding principles. From this, we derive other internal policies and procedures (see examples in figure mentioned before) that serve as instruments to ensure respect for human rights in more specific areas.

2. Impact assessments

From an internal management perspective, the starting point are the **Global Human Rights Impact Assessments (phase 2)** that are conducted every three to four years with the help of external experts and in close

consultation with our stakeholders. The aim is to understand how our business activities/relationships and products/services impact on human rights and, on this basis, , to identify the salient issues we need to work on.

Also, based on the Global Assessments and material issues identified in them, we conduct more detailed analyses:

- Annual risk assessments in all our markets in accordance with Telefónica's Enterprise Risk Management process.

Local impact assessments in cases where it is considered relevant to have a more accurate picture of the national situation in order to address risks in a specific context.

Thematic impact assessments when we need to take a detailed view of an issue because we have identified a particular risk or concern.

Human rights impact assessment process



Priority issues identified in the Global Impact Assessments: issues and groups impacted

	Network deployment	Terms and Conditions of Products/Services	New technologies and developments related to artificial intelligence	Employees
 Direct action	Ownership Health and safety Environment Information	Equality and non-discrimination Freedom of opinion and expression Responsible communication Privacy and data security Health and safety Intellectual property, industrial property and copyright	Privacy Security Equality and non-discrimination Other rights that may be affected	Equality and non-discrimination Health and safety Fair and satisfactory working conditions Freedom of association, social dialogue and trade union rights Combating forced labour and other modern forms of slavery Child labour
	Indigenous peoples Local communities Own employees Workers in our supply chain	Minors/Seniors Women Persons with disabilities Another group potentially facing discrimination	Minors/Seniors Women Persons with disabilities Ethnic minorities Other groups potentially facing discrimination	Own employees Minors/Seniors Women Persons with disabilities Ethnic minorities Other groups potentially facing discrimination

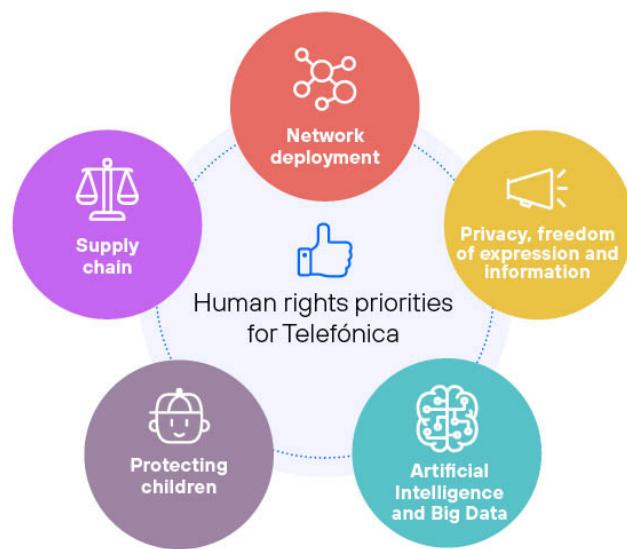
 Indirect action	Supply chain	Mergers, acquisitions and strategic alliances
	Equality and non-discrimination Employment rights Rights associated with conflict minerals Forced labour and other modern forms of slavery Child labour	
	Workers in our supply chain Migrant workers Minors/Seniors Women Persons with disabilities Ethnic minorities Other groups facing a potential impact	

 Contribute	 Environmental impact	 Anti-competitive practices	 Fiscal responsibility	 Digital divide	 Prevention of corruption and bribery	 Education
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 **Issues**

 **Impacted groups**

Taking our global impact assessment as a reference point, we have selected a number of issues that are priorities for Telefónica and for which we are conducting specific actions, set out in the section on Progress below. The issues are:



Network deployment: the core of our business, since connectivity is based on our fixed and mobile networks. It is thus essential that decisions and actions related to network deployment, enabling us to serve our customers, are developed and implemented with respect for the rights of workers involved, and those of local communities and potentially-affected ecosystems.

Privacy, freedom of expression and information: as an ICT company that handles personal data of customers, we use and protect their information with maximum security, providing transparency and control over its use and purpose. The same commitment to privacy and freedom of expression applies to requests we receive from competent authorities regarding interceptions of communications, access to metadata, blocking and restriction of content, and geographical suspensions and/or service restrictions.

Artificial intelligence and big data: the relationship between people and machines is becoming ever closer, which is why it is essential to ensure and monitor the ethical development and use of new technologies so that technological advances do not undermine people's rights, but contribute to a sustainable development.

Protection of children: the digital world offers many opportunities. Children need digital skills, as well as specific tools to enjoy those opportunities. Their online privacy and reputation needs protecting, and potential problems, such as inappropriate content, must be addressed.

Supply chain: it is essential that we pay particular attention to supply chain management, given our commitment as well as its scope and relevance, and we join forces to ensure that our suppliers have an adequate human rights record.

3. Integration in processes

Based on the results of the various assessments, we adapt our internal policies and processes (phase 3) to prevent, mitigate and/or remedy potential human rights impacts.

Two processes should be highlighted here: responsible design, focusing on the integration of ethical and sustainable criteria (including respect for human rights),

from the initial development phases of any product or service, and; human rights training for all employees and departments.

4. Assessment and reporting

We carry out **monitoring and reporting actions (phase 4)** on an ongoing basis, monitoring potential human rights risks and assessing how improvements, arising from the impact assessment work plans, have been implemented.

5. Complaint and remedy mechanisms

One of our **complaint and remedy mechanisms (phase 5)**, the **Concern and Whistleblowing Channel**, allows any person or entity to raise legitimately concerns or complaints about human rights and other issues. This channel allows us, beyond the resolution of the issue in question, to take appropriate measures to reduce risks by adapting our policies, processes, etc.



More information about our due diligence on the website

Targets

100% of our operations annually assessed on human rights.

100% of providers of risk in the area of sustainability (including human rights) will be EcoVadis-assessed in 2024.

Our goal is that, as of 2022, 100% of our products and services developed in Spain will follow the responsibility-by-design approach.

Continue to occupy a leading position in the Ranking Digital Rights.

Increase the percentage of employees trained in human rights through the Responsible Business Principles course (2021 figure: 85%).

2.8.6. Progress in 2021

> Due diligence

In 2021, we continued to work on each of the five steps of our due diligence process.

The following table reflects our progress in this area in recent years. For this year, the **update of the human rights risk assessments in all operations** as well as the realisation of a **specific assessment in our main market Spain** can be highlighted.

Due diligence step	Roadmap	Activities
1. Policy	Approved in 2013 Updated in 2019	Approved by the Board of Directors. Defines a governance model with clear responsibilities. Conforms to international human rights norms and standards. Covers the entire value chain. Publicly available in several languages. Communicated internally and externally. Implementation assessed by Internal Audit. Compilation of recommendations and improvements for the next update.
2. Impact assessments	Ongoing since 2013	Carried out on a regular basis, both globally (2013 & 2018) and in all countries at local level (11 countries by 2021). Human rights risk assessments in all countries in 2021. Additional local evaluations in Germany (2019), Argentina (2019), Brazil (2019), Chile (2021/2022), Colombia (2019), Ecuador (2019), Spain (2020/2021), Mexico (2021/2022), Peru (2021/2022), Uruguay (2021/2022), Venezuela (2019). Complemented by additional/specific assessments for most important topics. Conducted with external human rights experts (e.g. with BSR in 2013 and BHR in 2018 and 2021). Covers own business/commercial relationships and products/services. In close cooperation with global/local stakeholders.
3. Integration in processes	Ongoing	<p>Impact assessments submitted to the Sustainability and Quality Committee of the Board of Directors and Responsible Business Office for development of the Responsible Business Plan.</p> <p>Integration of results of impact assessments into internal policies and processes.</p> <p><u>Concrete examples of integration of assessment results into processes:</u></p> <ul style="list-style-type: none"> Mandatory human rights training for all employees. Human rights are established as a 'basic risk' in the Company's risk map (ERM). Inclusion of human rights clauses in contracts with third parties (suppliers, partners, etc.) and investment agreements, joint ventures, acquisitions and mergers. On-site human rights audits of suppliers, e.g. on health and safety issues, child/forced labour. Escalation process in the event of a human rights crisis (e.g. regarding privacy/freedom of expression issues). Implementation of 'Human rights by design'. <p>Adoption of policies related to human rights</p> <ul style="list-style-type: none"> Principles of Artificial Intelligence. Responsible Communication Policy Movistar+ Editorial Code <p>Update of policies/regulations to integrate/highlight human rights issues</p> <ul style="list-style-type: none"> Privacy policy. Supply Chain Sustainability Policy. Rules for Requests by Competent Authorities. <p>Crisis Management Manual.</p>
4. Assessment and reporting	Ongoing	<p>Annual report to the Board of Directors on the implementation of the Plan (which includes human rights).</p> <p>Risk map: continuous monitoring of human rights risks in the Company's risk map.</p> <p>Impact assessments: regular assessment of our human rights performance through impact assessments at global/local level.</p> <p>Annual reports: report on human rights performance in the Integrated Report and Transparency Report (privacy and freedom of expression issues).</p> <p>Corporate website: updated information on human rights performance.</p> <p>Institutionalised dialogue with stakeholders through our Stakeholder Panel.</p> <p>Participation in multi-stakeholder initiatives such as UNGC, GNI etc.</p>
5. Complaint and remedy mechanisms	Ongoing	<p>Complaint and Remedy Channel, allowing stakeholders to file complaints or queries (in several languages) confidentially and anonymously on any matter related to the Responsible Business Principles (also explicitly on human rights).</p> <p>Channel Regulation (publicly available), guaranteeing equal treatment, stipulating that queries must be answered and, where possible, solutions/remedies offered within a maximum period of 6 months.</p> <p>The consultations on the Channel are used to update human rights policies and processes, etc.</p>

In addition, two processes stand out as cross-cutting initiatives that reinforce and translate our human rights commitments into reality:

Human rights by design

GRI 102-29

In 2021, the 'human rights by design' approach continued to be implemented. To this end, product managers perform a self-assessment of new products and services using an online tool in the design phase in order to identify and address potential human rights impacts such as privacy, freedom of expression, non-discrimination, artificial intelligence or the impact on vulnerable groups such as minors. If risks are identified, the product or service is subjected to further analysis with the help of the Company's human rights experts in order to avoid adverse effects.

Human rights by design is part of **Telefónica's Responsible Design** initiative, which is set out in Chapter 2.9. Responsibility in our products and services.



[Go to chapter 2.9. Responsibility in our products and services](#)

Training in human rights

As in previous years, we provided general training for all employees through the **Responsible Business Principles and Human Rights Course** and more specific training for professionals (from the Legal, Compliance and Data Protection Areas, the M&A team, Public Affairs, Institutional Relations and Operations), whose work might have a greater impact on human rights.

In relation to **Telefónica's human rights priorities**, referred to in the Strategy and Commitments section, we would highlight the following advances:

> Network deployment

GRI 103

In 2021, we continued to implement our **guidelines for responsible network deployment** in all countries where we are present. These guidelines were developed in close collaboration with our local teams and outline a set of recommendations to be followed in the following phases of network deployment: deployment justification, deployment planning, deployment and field operation, network operations, and network maintenance and removal.

In each of these phases, four major blocks of high-priority human rights are involved:

Human rights issues in network deployment

1. Human rights in the workplace

Human rights compliance in the Company's immediate environment includes issues relating to health and safety, working conditions, discrimination and diversity management.

4. Human rights and the supply chain

Human rights aspects related to the supply chain include issues related to impacts that may be caused indirectly through Telefónica's business partners, mainly with regard to non-compliance in the workplace, environment or social issues.



2. Human rights and society

Regarding society, these include issues of privacy, freedom of expression and our relations with local communities and indigenous peoples, as well as bridging the digital divide in rural versus urban areas.

3. Human rights and the environment

Related to human rights and the environment are aspects regarding negative impacts on the environment, such as deforestation, soil and water contamination, and effects on biodiversity or visual impact. The latter two occur mainly in the network deployment and maintenance phases, although they are closely related to the planning phase, where all potential impacts originate and can also be avoided or minimised.



We also have cross-cutting tools that help minimise the risk of negative impacts and maximise positive ones:

Training in human rights for professionals in all phases of the process.

Provision of complaint channels in all phases of the process.

Ongoing dialogue with local communities.

> Privacy, freedom of expression and information

As part of our commitment to privacy and freedom of expression, in 2021 we published information in our **Annual Transparency Report** on the requests we received from competent authorities regarding interception of communications, access to metadata, blocking and restriction of content and geographical suspensions and/or restriction of service. In this report, published on the Telefónica website, we report the following for each operator:

The local legislative framework that awards legal power to competent authorities to make such requests;

The names of the competent authorities that have the legal power to make such requests;

The total number of requests received and rejected during the year.

The total number of accesses affected by the requests.

We have a Regulation on Requests made by Competent Authorities in place, which sets out a uniform procedure for all companies within the Group on how to assess and respond to these requests (see the summary of the regulation on Telefónica's website, in the Privacy and Security Centre).

More information on the Transparency Report on Telefónica's corporate website at telefonica.com/en/sustainability-innovation/privacy-and-security-centre/report-on-transparency/

As a sign of our progress on privacy and freedom of expression, in 2021, and for the second year in a row, we ranked first among all telecommunications companies in the **Ranking Digital Rights (RDR)**. This ranking assesses companies' commitments, policies and practices affecting customers' freedom of expression and privacy, including governance and oversight mechanisms. In this edition, the methodology was revised, integrating indicators on targeted advertising and algorithmic decision-making systems.



We also belong to the Global Network Initiative (GNI). During this year, we were involved in different initiatives related to the impact of COVID-19 on privacy and freedom of expression. As a member of the GNI, we successfully passed the GNI's independent assessment process. The positive assessment was based on a report

from an independent external adviser (Deloitte), who examined Telefónica's policies, processes, and governance model to safeguard customers' freedom of expression and privacy.

> Artificial intelligence and big data

It is undeniable that technology offers a range of infinite possibilities to society. Big data and artificial intelligence have burst into our lives as technologies with great potential, linking man and machine to generate opportunities.

However, it is important that the development and implementation of such technologies is done from an ethical and responsible viewpoint, helping to generate more inclusive and fairer societies. To ensure this, we published our AI Principles, which at the core set out the use of 'responsible AI by design' and a corresponding governance model. In this context, in early 2021, we launched a course, available to all employees, on how to apply and respect human rights by design, including considerations on the use of artificial intelligence.



Practical management example on the impact of AI on products and services, including human rights considerations

An analysis of different products and services was carried out to check as to whether they are in line with our AI Principles. The following criteria of our AI Principles were applied fairness, transparency, security and privacy, people-centred and collaboration with third parties. Once all the selected products and services were evaluated, a diagnosis of the situation was made, work carried out to remedy the gaps identified and a reassessment performed to see how corrections or improvements were implemented. The aim was to ensure that the AI Principles permeate all areas in which it is applied and to ensure ethical AI by design.

> Child protection

GRI 103

Beyond our efforts to make the Internet a safer place for children, which the latter can use responsibly and in accordance with their age, we continue to reinforce the defence of children's rights by analysing the impact of our business. We follow the Child Rights and Business Principles developed by Unicef and use its MO-CRIA (Unicef Mobile Operator Child Rights Self-Impact Assessment Tool).

In 2021, we continued to implement the improvement plan developed from the MO-CRIA in areas such as inappropriate information access; protection of privacy, information, personal reputation and product and service impacts; and inappropriate advertising and marketing actions.

> Supply chain

While our supply chain management is explained in more detail in the chapter devoted to the latter, it is important to highlight here our commitment to ensuring that our suppliers operate in a way that respects human rights.

To achieve this, in 2021, as in previous years, **we required all our suppliers to sign the Supply Chain**

Sustainability Policy, which sets out contractually binding human rights requirements. In addition, we conducted a **risk analysis** to identify those suppliers who may constitute a high risk in terms of sustainability in general, and human rights in particular, and subjected them to a detailed assessment. This **assessment of high-risk suppliers** is performed through the EcoVadis platform. In addition, we verify the compliance of the most critical suppliers through on-site audits.

To conduct these audits, we are supported by the JAC (Joint Audit Cooperation) initiative, which specifically addresses issues such as forced labour, child labour and/or conflict minerals.



Practical example of corrective actions: audits and working groups

We work to ensure that human rights are respected throughout the value chain. In the case of suppliers (upstream), we ensure that they comply with their obligations on that matter, among other things, through audits. Some of the issues that are reviewed in these audits are: health and safety, freedom of association, working conditions and wages, discrimination, forced labour or child labour.

Audits help us to identify potential non-compliance with human rights by our direct and indirect suppliers (Tier 2 and above). A concrete example in 2021 was the identification of overtime hours exceeding legal requirements at a factory of one of our electronics manufacturers in Asia. As a corrective action, it was agreed that employment contracts should require the signing of working hours so that overtime hours cannot exceed 36 hours per month. With this corrective action implemented, workers' overtime now complies with the regulation (more examples of corrective actions are given in the table in the section, "JAC audit details", in Chapter 2.16. Responsible supply chain management).

In addition to audits, we are part of a specialised human rights working group within the JAC sectoral initiative. This working group was created in 2021 and analyses trends, new regulations or specific human rights risks in the ICT supply chain and proactively undertakes different initiatives to address any identified shortcomings.

In addition, we promote best practice on human rights in our supply chain through various supplier engagement initiatives such as the **Supplier Development Programme**.



More information on the programme can be found in chapter 2.16. Responsible supply chain management



MILESTONES

Human rights risk assessment in all our operations.

Integration of human rights aspects in our Responsible Design approach.

Top telco in the 2021 Ranking Digital Rights.

Summary of key indicators

	2020	2021
No. of employees trained on human rights through our Responsible Business Principles course (since its launch) ⁽¹⁾	103,934	88,815
% of operators subjected to a human rights impact assessment	100	100
No. of on-site human rights audits of suppliers (labour issues, child/forced labour, health and safety, privacy and security)	10,090	10,721
Number of queries/complaints received on human rights through the Responsible Business Channel ⁽²⁾⁽³⁾	3	2
% of significant investment agreements ⁽⁴⁾ signed by Telefónica S.A. that contain human rights clauses.	There were no significant investment agreements	100 %

Note:

(1) To improve data quality the calculation methodology was updated from 2020 to 2021

(2) The well-founded complaints filed on the internal complaints channel regarding human rights issues such as privacy, harassment/mobbing and discrimination are covered in the chapter on Ethics and Compliance (complaint and remedy mechanisms: consultation and complaint channels).

(3) The consultations/complaints received on Privacy and Freedom of Expression are listed in the table 'Summary of key privacy and security indicators' in Chapter 2.15 Privacy and Security.

(4) Significant investment agreements are those signed by Telefónica, S.A. at the corporate level during the reporting period that have led to a position of control of another entity and have entailed a capital investment project material to the financial accounts. According to this definition, on August 4, 2021, Telefónica Cybersecurity & Cloud Tech, SLU ("Telefónica Tech") acquired Cancom, Ltd and its subsidiaries (the "Target") pursuant to a stock purchase agreement executed on July 28, 2021 (hereinafter, the "SPA"). Under the SPA, as an essential part of the agreement, the sellers had to represent and warrant, amongst others matters, that the Target had been operated in compliance with applicable laws and regulations, including specific representations on matters relating to human and fundamental rights.

2.9. Responsibility in our products and services

KEY POINTS

-  We have maintained our levels of network availability and quality during the pandemic, despite extraordinary traffic surges.
-  We continue promoting the responsible use of technology with the aim of leaving no one behind in the development of the digital society.
-  The Responsible Design framework is already in place in Telefónica Spain and being rolled out to other operations to ensure all our products meet ethical and sustainability criteria.

2.9.1. Vision

Telefónica has a great capacity to influence, and add value to, socio-economic development through the products and services we offer. Our technological solutions and communication networks can have a major positive impact on society (see Chapter 2.7 Digital inclusion), as well as in the protection of the environment (see Chapter 2.4. Digitalisation and Eco Smart services).



[Go to chapter 2.7. Digital inclusion](#)

 [Go to chapter 2.4. Digitalisation and Eco Smart services](#)

However, this contribution would not be complete if we did not ensure that, in addition to delivering value, our services comply with **all security, privacy and health regulations and standards**, as well as offering solutions that go further and enable our customers to use digital services with security and confidence.

For this reason, the design, marketing and use of our products and services require a global strategy and a firm commitment from the entire organisation to ensure they are aligned with the Company's purpose and values.

The working model we defined to ensure Responsible Design and use of our products and services encompasses the following lines of action:

Network quality and availability: our responsibility is to guarantee maximum access speed and information transmission capacity 24 hours per day from any device and place and in any situation.

Electromagnetic fields: we comply with radio emission limits at all our base stations, thus ensuring exposure levels are completely safe for our health.

We do a thorough job of ensuring the **security, proper functioning, accessibility and traceability** of our **products and services**. We also offer **security services** that provide a value proposition allowing them to accompany our clients in environments where security is an indispensable attribute.

Responsible design: we ensure the incorporation of our corporate values and sustainability requirements from product definition throughout the development cycle.

We promote the **responsible use of technology**, especially aimed at vulnerable groups who might be most affected by fraudulent or inappropriate use of the Internet and/or screens.

2.9.2. Risks and opportunities

Technology has proven to be a valuable tool for tackling major social and environmental problems, but at the same time, depending on how we use it, it can generate a number of **risks that need to be managed and minimised**. These include fake news, techno-addiction, cyber-bullying, misuse of the potential offered by artificial intelligence, problems associated with e-waste and the digital divide.

Furthermore, in a world in which cyber threats are inevitable, we use technological solutions (through Telefónica Tech, as providers of intelligent managed security services) to address everything from preparation and prevention of the risks that may be generated to detection, response and recovery of the damage caused, thus guaranteeing the cyber-resilience of our customers and their business.

However, if we look at **the opportunities** generated by the design and use of digital solutions in a responsible and secure way, new technologies such as artificial intelligence, cybersecurity services or big data are proving to be very powerful tools in areas as diverse as content recommendations, image recognition, reducing cyber-attacks and online fraud, machine translation, medical diagnostics, autonomous vehicles, the legal field, education, transport and logistics, to name but a few.

These solutions are not only used in business, but also for social purposes such as better understanding and reducing the effects of climate change, natural disasters, pandemics and the analysis of migration problems.

We must also emphasise the value to the Company of offering reliable services that guarantee the health and safety of our customers and provide the highest standards of **quality**. All of this, together with the integration of accessibility, eco-design, transparency and ethical principles in the use of intelligent algorithms, is enabling Telefónica to deliver increasingly innovative and differentiated solutions committed to sustainable development.

2.9.3. Network quality and availability

It is imperative for all of us at Telefónica to comply with all national and international regulations to guarantee the quality of our products.

In this context, as a telecommunications and technology company, we have an **obligation to ensure the highest quality** both in our communications networks and in the new digital products and services we develop, market and deliver to our customers.

Our responsibility is to guarantee maximum access speed and information transmission capacity 24 hours per day from any device and place and in any situation.

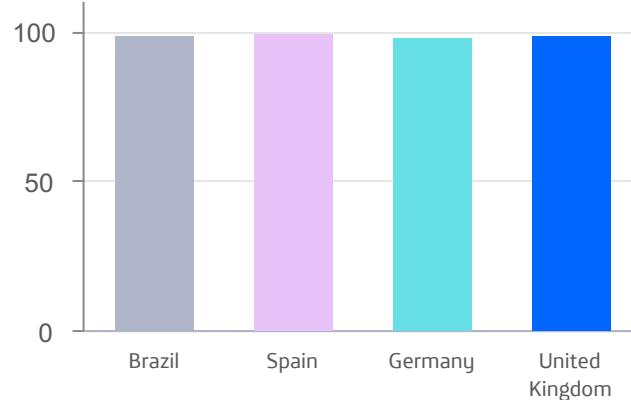
The International Telecommunication Union (ITU) defines quality of service as the collective effect of service performance which determines the degree of satisfaction of a user of the service. Our commitment to our customers is that of guaranteeing an optimal uninterrupted service and being constantly transparent with regard to our network status at all times, even during the most adverse situations.

To ensure quality and service in our offering, we are **constantly evaluating and monitoring fixed and mobile communications**, thus allowing us to guarantee the availability of our service and respond immediately to any incidents that may arise.

This commitment to network availability and quality was strengthened more than ever as a result of the global crisis triggered by COVID-19. The traffic our infrastructures had to support **increased by up to 50%** at the worst moments of the pandemic compared to the traffic recorded the previous year on the same dates. Also in 2021, fixed and mobile network data continued to grow at a high year-on-year rate of 40%. Despite this we maintained our levels of quality and service when they were most needed.

Education, many working activities, health care and commercial activities, etc. were able to take place online over our networks, demonstrating that our commitment over many years to achieving one of the world's most efficient and developed broadband infrastructures was worth the effort.

Network availability during 2021*

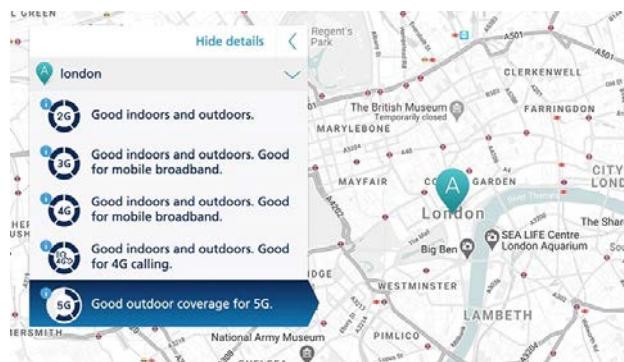


*Fixed and mobile network in Brazil and Spain. Mobile network in Germany and UK

Connectivity constitutes the basis of our business, which is why we invest heavily in quality, resilient infrastructures to ensure that every day more households have the opportunity to access the digital world.

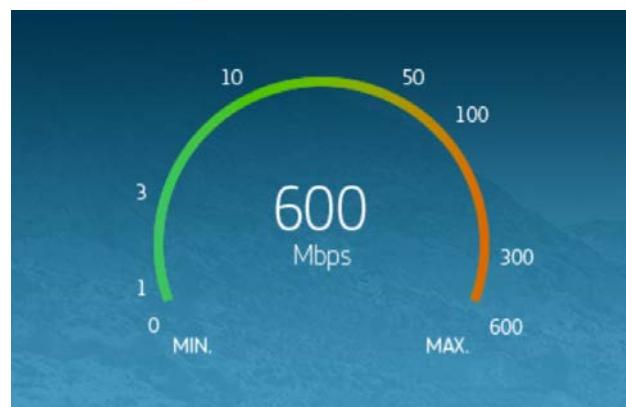
On the other hand, **we are transparent** and regularly publish information on the quality of our service. In this way, through our portals, we facilitate online checks of the **status of the mobile network in real time**.

Example of O2 real-time network status



We also report on the **upload and download speed** of the Internet connection from any location (e.g. the Movistar speed test). This means our users have access to quality information, enabling greater efficiency in the use of connectivity and potential incidents to be identified early.

Movistar Speed Test



By relating the different functions of an electronic communications service – contracting, maintenance, connection, billing – to criteria that users may use to assess their service quality (**speed, precision, availability, reliability**, etc.), a set of observable, measurable parameters can be determined to provide an objective, comparable representation of service quality to the user.

Of course, **natural phenomena**, external factors, power cuts, etc., can cause occasional localised interruptions to service. To minimise the length of the impact as much as possible, we work continuously to build greater resilience.

Critical situations that affected our service last year were:

Critical situations by country

GERMANY (LOCAL) January 2021

Crisis	Nationwide voice service disruption
Type	Software failure during voicemail migration
Impact	Unavailability of voicemail service for 4 hours and 30 minutes due to software failure during migration process (voicemail could not be accessed either by account holder or those calling account holder).
Actions	Restoration of service by restarting voicemail distribution process.

BRAZIL (LOCAL) October 2021

Crisis	Unavailability of the mobile data network in the state of Sergipe
Type	Mobile data service failure
Impact	100% drop in 2G, 3G and 4G data traffic for 3 hours and 10 minutes in Sergipe state due to simultaneous unavailability of the 3 networks serving Sergipe.
Actions	Service stabilised after recovery of optical cable in one network (section between Aracaju-Sergipe and Itabaianinha-Sergipe).

SPAIN (LOCAL) January 2021

Crisis	Supply failure at power station in Madrid Pilar district as result of Filomena storm
Type	Long-term failure of supply company
Impact	Service problems in Barrio del Pilar neighbourhood due to power failure outside Telefónica's control at local power station, result of effects of Filomena storm.
Actions	Installation of emergency generator to power the plant.

SPAIN (LOCAL) June 2021

Crisis	Problems with incoming and outgoing calls for corporate customers
Type	Software failure
Impact	Poor quality and timing of incoming and outgoing calls for corporate customers over period of three hours.
Actions	Service recovered after extending memory and restarting node PayLoads and balancer.

UNITED KINGDOM (LOCAL) March 2021

Crisis	Voice service disruption in Birmingham & West Midlands
Type	Power outage
Impact	Power outage lasted less than an hour, leaving affected customers in Birmingham & West Midlands without mobile network service.
Actions	Services automatically restored without intervention.

Such network service incidents, when serious enough, are managed directly by Telefónica's global crisis committee.



Go to chapter 2.15. Privacy and security

Progress in 2021

In accordance with the international SASB standard (the Telecommunication Sustainability Accounting Standard), we assess a series of indicators relating to the quality and transparency of our services. These calculations, due to the peculiarities of each technology, can only be performed based on the network technology, the results depending on the geography of the regions where the service is operating.

In 2021, we extended the scope of the SASB indicators to include all services (voice, data and television) for both fixed and mobile networks of Telefónica España.

From the analysis of the indicators of frequency and average duration of outages (TC-TL-550a.1), it can be concluded that service availability was above 99.9%.

SASB indicators

		2021
TC- TL-520a.2 (*)	FIXED LINE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of own and commercially partnered content.	ADSL: 14.854 Mbps FTTH: 611.152 Mbps There is no differential assessment between associated and non-associated content
	MOBILE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of own and commercially partnered content.	4G: 48.96 Mbps There is no differential assessment between associated and non-associated content
	FIXED LINE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of non-associated content.	ADSL: 14.854 Mbps FTTH: 611.152 Mbps There is no differential assessment between associated and non-associated content
	MOBILE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of non-associated content.	4G: 48.96 Mbps There is no differential assessment between associated and non-associated content
TC- TL-550a.1 (*)	FIXED LINE NETWORK: Average system outage frequency.	2
	MOBILE NETWORK: Average system outage frequency.	40
	FIXED LINE NETWORK: Average duration of customer interruption.	3,78 h
	MOBILE NETWORK: Average duration of customer interruption.	0,02 h

(*) Data corresponding to Telefónica Spain.



[Go to 2.17. Appendix: SASB compliance table](#)

2.9.4. Electromagnetic fields

GRI 103

In all countries where we operate, we comply with the **exposure limits** for electromagnetic emissions established by independent scientific organisations, such as the International Commission on Non-Ionizing Radiation Protection (ICNIRP), based on scientific evidence.

Compliance with these recently revised and updated standards ensures that we deploy a secure network, including 5G, as these guidelines are endorsed by the World Health Organization (WHO) and the International Telecommunication Union (UIT).

We monitor compliance with these limits in all operations and verify that all terminals and equipment offering our service meet international safety standards including SAR (Specific Absorption Rate) values.

We also have a Manual of Good Practices that acts as a guide for our teams and lists all initiatives taken within the Group in the different countries in which we operate. All these practices have a common interest in establishing a proper relationship with those communities we intend to serve. In this context, we work in coordination with institutions and operators in order to have a communication and dialogue strategy that helps the general public to detect fake news about 5G technology.

All Telefónica employees have access, through an online training tool, to the course 'Mobile Telecommunications and Society', in Spanish, Portuguese and German. The course includes four modules in which the technical

basics of mobile phone technology are explained, how the exposure limits are established and how we comply with the different regulations. It also presents the current situation and latest developments in electromagnetic fields from a scientific viewpoint. This course is part of the welcome pack at most of our local operators.

> The 5G standard

The electromagnetic frequencies used for 5G are part of the radio frequency spectrum that has been researched extensively in terms of health impacts over decades, i.e. over 50 years of scientific research has been conducted on the possible health effects of radio signals used for mobile phones, base stations and other wireless services, including planned frequencies for 5G exposures.

The results of these studies have been analysed by many expert review groups. They all conclude that there is no evidence linking exposure below the guidelines set by the International Commission on Non-Ionizing Radiation Protection to known health risks for adults or children.

> Commitment to research

The scientific research in this field is a priority area for the World Health Organization. Similarly, the research programme of the European Union includes different projects in this area with the aim of addressing possible health effects of the electromagnetic fields.

Telefónica closely follows these projects and supports research by the German Federal Agency for Radiation Protection (BfS) on the development of leukaemia in predisposed animal models exposed to magnetic fields. In particular, we support the group of Spanish scientific researchers from the Salamanca Cancer Centre (CSIC) working on this study. The study will take three years to complete and results will be delivered in 2023.

Progress in 2021

In 2021, we made 44,492 measurements at our base stations.

These have always been below ICNIRP levels in all the countries in which we operate, even those without their own regulation.



MILESTONES

Our mobile antennae comply with the radio emission levels set by ICNIRP.

2.9.5. Products and services

> Health and safety in our products and services

GRI 103, 416-1, 416-2

At Telefónica, we do a thorough job of ensuring the security, smooth operation, accessibility and traceability of our products.

That is why we apply all the necessary protocols to ensure that **100% of the products and services we market comply with international standards and local legislation** everywhere we operate.

In one way or another, these certificates affect customers' safety, quality and experience as users and, in many cases, go beyond legal requirements. Non-compliance in these areas was not detected in any region in 2021.

At Telefónica, we also require the **RoHS certificate**

(Restriction of Hazardous Substances, version 3) from all suppliers of terminals, not only for European markets but for all markets in which we operate, which restricts the use of certain hazardous substances (lead, mercury, cadmium, chrome VI, PBB and PBDE, etc.) in electrical and electronic equipment and the **SAR** (Specific Absorption Rate) of mobile phones, ensuring that none of them represent a health hazard for our customers. We also require that devices we sell have the **GCF** (Global Certification Forum) certificate. This guarantees that the connection with the mobile network works correctly, including emergency calls.

As for the rest of the equipment deployed in a residential setting and associated with access to the fixed network (routers-HGU, WiFi amplifiers-repeaters, Movistar Home, etc.), we comply with all the common international standards that also apply to these types of devices, such as **CE marking** and **RoHS**, as well as local legislation required in each of the markets where we are present.

But we also go a step further in our commitment to the security of our products by conducting inspections and audits directly on our manufacturers' premises as part of the entire development process.

In this way, we guarantee the quality of the installations, their quality control processes, the use of non-hazardous materials, safety regulations at the facilities, etc.

The four **main types of inspections** we request are:

Quality System Audit.

Quality Process Audit.

Supply Chain Analysis.



Go to chapter 2.16. Responsible supply chain management

Pre-Shipment Inspection:

- BoM check.
- Validation of firmware version used.
- Verification of labels, manuals, cables and PSU.
- Verification of PCBA version used.
- Verification of housing used.

Progress in 2021

In relation to our quality assessments and certification of equipment and devices, non-compliance was not detected during 2021 in any of the regions in which we operate.

> Security services

We encourage all terminals with Android operating systems, sold as part of our operations, to receive security updates from Google for two or even three years.

Meanwhile, Telefónica Tech – the unit that encompasses the cybersecurity, cloud, IoT and big data technology businesses, created at the end of 2019 – is helping to reduce the digital divide between companies with customised services and solutions. In the case of cloud and cybersecurity, we offer a unique value proposition that allows us to accompany our customers in a multi-cloud environment with security as an indispensable attribute.

At Telefónica Cybersecurity and Cloud Tech, in view of the needs of our customers, we strengthened our capabilities by investing in both organic growth and the incorporation of new companies, in order to consolidate our position as the leading company in digital transformation.

We dedicate all our experience and effort to creating innovative cybersecurity products in order to always stay ahead of the attackers who have become a growing threat in our digital lives.

Our global services are designed to facilitate the migration of our customers to a secure cloud environment and continually improve the effectiveness of our security infrastructure. To this end:

We work to develop new security services and capabilities designed to help protect businesses and people from threats and bugs in the environments in which they operate.

We collaborate and exchange information about threats in real time with the main agencies and entities such as the European Commission, the Cyber Threat Alliance (CTA), ECSO, EURPOL and INCIBE.

We have 11 Security Operation Centres (SOC), distributed throughout Europe and America, and 1 specialised Digital Operations Centre (DOC) located in

Spain, which brings together and monitors the operations of the SOCs, from where more than 30,000 servers are managed and more than 100 million cybersecurity events are monitored each year. Thanks to our intelligent and automated platforms, we can act efficiently. We have experts ready to help our customers face new digital challenges in a world of uncertainty.

Progress in 2021

In 2021, at Telefónica Tech, we continue with our commitment to reduce the digital divide between companies with customised services and solutions.

Telefónica Cybersecurity & Cloud Tech reached a turnover of **944 million euros**.

We acquired the following specialist companies that allowed us to expand or strengthen our portfolio of services and solutions:

Altostratus Cloud Consulting, specialising in multi-cloud services and premier Google Cloud partner for Southern Europe.

Cancom UK&I, consolidating our leadership in cloud and digital services in Europe.

We also continue to innovate and develop new services, sealing new alliances with international partners:

We launched a cyber security service for SMEs, bringing together for the first time cybersecurity tools, training, remote support and advice, and NextDefense, aimed at protecting large enterprises from cyberattacks. We also launched Google Cloud by Acens to accelerate the digitalisation of SMEs using the cloud.

Along these lines, Telefónica Cybersecurity & Cloud Tech reached agreements with Zoom to distribute its collaboration services and promote new ways of working, and Fortinet to guarantee its customers "the best connectivity and security" regardless of where they work from. We also signed partnerships with Microsoft to provide the industrial sector with private 5G and edge computing.

In September 2021, together with Alias Robotics, we launched the world's first cybersecurity lab for robots in Munich, Germany.

As a result of these collaborations, alliances and our own experience, Telefónica Cybersecurity and Cloud Tech is present throughout the value chain and has a comprehensive portfolio of cloud and security solutions. We focus on five key service verticals, built on our key platforms, combined with our professional and managed services, built in turn on our solution-focused delivery platforms. All our operations are delivered through our intelligent Digital Operation Centre which

provides an E2E perspective for the customer. We provide the following services:

1. Hybrid cloud to manage our customers' workloads, data and applications.
2. Cybersecurity to build a resilient business.
3. Hybrid workstations to reinvent the digital workplace.
4. SASE to move the network to the cloud.
5. Digital business for SMEs. All this effort has earned us the acclaim of leading industry analysts in the field.

Key indicators on Security Services

	2020	2021
Total number of external audits of Security Products and services (Telefónica Tech)	10	24
Number of Security Operation Centers (SOCs)	11	11

2.9.6. Responsible design

GRI 102-29

> Governance

At Telefónica we have defined and are implementing a new framework in our internal product and service development processes called Responsible Design.

This approach allows us to incorporate **ethical principles and sustainable development criteria** in the new digital solutions we are developing. In this way, we ensure the alignment of new products with our purpose and the Responsible Business Principles we have set ourselves as a company.

In addition, we set ourselves the goal that 100% of our products and services meet Responsible Design and for this defined a **governance model distributed across three levels**

Level 1 Product managers/developers who develop new solutions must perform a **self-assessment of the design of the product/service** they are developing by means of an online questionnaire. This self-assessment explicitly addresses the potential human rights risks associated with the use of artificial intelligence. And is embedded in a three-tier governance model supported by a wider expert community.

Level 2 Support from experts, which will clarify any queries or questions that may arise at any time, from the design stages to final delivery. That is, if a product manager/developer (Level 1) has concerns about the possible adverse impact of a certain product or service after completing the self-assessment, these concerns will automatically be raised to a multidisciplinary expert group

of the Company (Level 2) and together they will try to solve the problem.

Level 3: Responsible Business Office, the last resort in the case of issues which cannot be addressed by the team of experts.

It is also important to highlight not only the **awareness-raising and training** of the areas directly involved in the Responsible Design process, but of the entire organisation, in order to guarantee a complete alignment of the different activities of the company.

Our Responsible Design process



> Strategy and commitments

The two pillars of our Responsible Design framework for the development of new products and services are as follows:

Design ethics: ethical principles associated with our engagement with the customer and use of data and artificial intelligence.

Sustainability criteria applied to design: oriented towards the impact that our products and services have on people, especially ensuring the inclusive use of our products, as well as the impact they may have on the environment.

Ethics applied to design



Principles of responsibility to the customer
 ✓ Simplicity
 ✓ Transparency
 ✓ Integrity



Ethical principles applied to artificial intelligence and data management
 ✓ Fair
 ✓ Transparent and explainable
 ✓ With people as our priority
 ✓ With privacy and security from the design
 ✓ With partners and third parties

Sustainability applied to design



Design taking into account its impact on Human Rights
 ✓ Accessibility of the web application
 ✓ Digital technologies



Impact on the environment
 ✓ Ecodesign
 ✓ Waste
 ✓ Power consumption

Design ethics

Within the pillar of design ethics we incorporate:

1 - The **values** that form our customer promise and shape the way we relate to our customers:

Integrity: we deliver what we promise.

Transparency: we provide all information about our products or services to our customers in a proactive and transparent manner.

Simplicity: we ensure that all service processes and operations are accessible and understandable to our customers.

2 - **Responsible use and ethical data management**, the definition of algorithms and the use of artificial intelligence in order to avoid any possible negative repercussions from their misuse, such as:

Bias in data and algorithms.

Lack of transparency about how algorithms make important decisions, or about the use of personal data.

Lack of human control in automatic systems.

False positives and negatives in results obtained in information analysis that could have a disproportionate impact on certain groups.

Specifically, and in relation to new services incorporating artificial intelligence capabilities, Telefónica was one of the first companies in the world to publish a set of ethical principles associated with their use in October 2018.

In this regard, Telefónica has a firm commitment to human rights, as indicated in the Company's Responsible Business Principles and Human Rights Policy.

Our Artificial Intelligence Principles



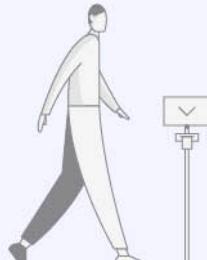
Big Data and Artificial Intelligence (AI) enable us to transform businesses, people's lives and society. With these advances, we want to **improve as a company** while at the same time making the world a better place for everyone. Therefore, we pledge to design, develop and use AI which is:



Fair

We make sure that the applications **do not lead to results with biases and discriminatory or unfair impacts.**

We ensure that **there are no discriminatory elements** when the AI learns and the algorithms decide or recommend.



Transparent and explainable

We tell users which data we use and for what purposes.

We take sufficient measures to ensure understanding of its decisions or recommendations.

We require our suppliers to have or adopt our AI principles or similar principles of their own.



With people as our priority

We make sure that the **AI always respects Human Rights.**

We are **committed to the UN's Sustainable Development Goals.**

We help to **avoid the improper use of technology.**



With privacy and security from the design

When constructing Artificial Intelligence systems, **we take particular care with the security of information.**

We respect the right to privacy of people and their data.



With partners and third parties

We confirm the veracity of the logic and the data used by providers.



Sustainability applied to design

This pillar ensures we assess the possible **impact** of our products and services on society, people and the environment.

We ask ourselves whether our products or services contribute to improving people's lives, if they are accessible, and respect and/or promote our customers' human rights, focusing particularly on children and other vulnerable groups.

A crucial area of Responsible Design is incorporating **accessibility** into our products and services so anyone, irrespective of their abilities, can use them satisfactorily, safely and autonomously from the very beginning, especially when they are products and services with some type of web interface or app.

That is why we are incorporating not only the principles of Universal Design into our developments, but also the four accessibility principles included in EU Directive 2016/2012

of the European Parliament when developing any products or services, based on the recommendations of the W3C/Web Accessibility Initiative:

Perceivable, so that users can clearly distinguish the information.

Understandable, so that how to use it and the actions it requires are clear.

Operable, so that anyone can use it.

Robust, so that the content can be interpreted by different technologies.

In addition to accessibility, design sustainability seeks to reduce as far as possible any negative consequences of our activities and products and services on the environment. That is why we apply ideas linked to **eco-design**, waste management and the circular economy.

Through eco-design, we are not only pursuing a reduction in any potentially negative environmental impacts from our products and services, but also seeking to enhance the benefits that may be generated for the environment through their functionalities.

Our work is based on three basic pillars throughout the life cycle of our products and services:

Design: when our products have any type of hardware, we prioritise manufacturing them with sustainable materials, include energy-saving modes, and opt for long-lasting designs, with a timeless aesthetic and updateable software, making them repairable.

Use: connectivity and digital solutions have great potential for helping our customers perform their activities in a more efficient and sustainable way. In this way, many of our IoT services make it possible to consume fewer resources (electricity, water or materials). Similarly, by repurchasing terminals, we foster the circular economy.

End of life: if our products or services may end up as waste, we put in place the necessary measures to manage them properly, informing our customers where to repair or recycle their devices.

Progress in 2021

In 2021 we made great progress in implementing the Responsible Design model in internal processes for developing products and services.

Specifically, the new framework was fully integrated into Telefónica España and corporate units responsible for artificial intelligence and big data developments. This has allowed the evaluation and analysis of more than 30 solutions in the commercial development phase.

In addition, we updated the internal product rating model, creating a rating scale for each solution based on its level of compliance with **ethical and sustainable principles** applied in the model. This allows us to analyse each of our business solutions in depth and assess areas for improvement, as well as increase our value and positive impact on both society and the environment.

In particular, on environmental issues, we should highlight the relaunch of the **Eco Rating** label, an indicator that helps end users understand how environmentally friendly the mobile handset they have, or are thinking of purchasing, is, thus making our customers aware of the importance of caring for the environment.



[Go to chapter 2.3. Circular economy](#)

Targets

As main objectives for 2022, we will continue to integrate the Responsible Design framework in other Telefónica business units, and also carry out a detailed assessment of the state of our services already being marketed which have not been through this development framework, in order to define improvement plans for those that do not meet the minimum requirements.



MILESTONES

We made great progress in implementing the Responsible Design model within the development of products and services.

The new framework was integrated into Telefónica España and the corporate units responsible for artificial intelligence and big data development.

2.9.7. Responsible use of technology

> Governance

The Sustainability and Quality Committee of the Board of Directors of Telefónica is responsible for the development of the Global Responsible Business Plan, which includes the **responsible use of technology** and a special focus on one of the most vulnerable groups: children.

The reflection of the Company's firm commitment to this group, the protection of children and teenagers, is set out in the Responsible Business Principles and various corporate policies, such as the Diversity Policy, Responsible Communication Policy and Sustainability Policy in the Supply Chain.

> Strategy and commitments

We live surrounded by screens, ultra-connected, a connectivity that has entered our homes to stay and become an important part of our family, professional and social life. Technology has changed the way in which we relate to each other, entertain ourselves, consume, find information... in short, it has revolutionised the rules of the game to which older people were already accustomed. However, while many of us have been assimilating these transformations as they have occurred, children and young people have been incorporating them into their lives as a matter of course.

And precisely because at Telefónica we are convinced that it is people who give meaning to technology and not the other way around, we are firmly committed to **promoting the responsible use of technology** and the protection of minors on the Internet, which can be summarised in **six work lines**

> Alliances with stakeholders

Ensuring a more secure Internet is a task we cannot tackle alone. At Telefónica, we work together with sectoral and civil society partners to ensure all of us, children, young people and adults, remain aware that, although the Internet is an open window to the world, it depends on us, and our behaviour on the Internet, to ensure that the experience is healthy, safe and enriching.

In this regard, we emphasise our collaboration with:

State Law Enforcement Forces, as well as support for the different national hotlines: equipo Niños, Alianza por la Seguridad en Internet, Safernet, Te Protejo (Colombia and Mexico), Centre for Child Protection on the Internet, Alerta Amber, Secretaría Nacional de Niñez, Adolescencia y Familia (SENAF), INADI, etc.

NGOs and national associations: UNICEF, Faro Digital, NSPCC, RedPapaz, Argentina Cibersegura, Nativo Digital, Brave Up, Colegium, Fundación Tecnología Responsable, Mamá Digital, Asociación de Padres de Familia, Fundación Ideas para la Infancia, Comisión Unidos vs la Trata, Fundación Sonrisa, Aldeas SOS Ecuador, ChildFund Ecuador, Puntos México Conectado, El Consejo Ciudadano, Luchadoras AC, Moders, Sin Trata A.C. and FEISS (Fundación Ecuatoriana por un Internet Sano y Seguro), Fundación Habla, El Abrojo, Gurises Unidos, Obra Social San Martín, Rescatando Sonrisas, Aldeas Infantiles, Obra Banneaux, Fundación Sophia, etc.).

Actions with key stakeholders in the online protection of children and adolescents: Inhope, Insafe, ANATEL, CONNA, UNODC, Red de Aliados por la Niñez, Zentrum für Kinderschutz im Internet, INAI, ITAIPUE, Red Contra la Pornografía Infantil, Capital Humano Social Alternativo (CHS), End Violence Against Children (EVAC), Comunidad de Divulgadores de Conocimiento Científico KUNA, Fundación Habla, Circuito radial 'FM Center', Construyendo Futuros, Te Contamos, Gobiernos, etc.

Telefónica is also present in the following alliances with the aim of promoting, at a global level, the **exchange of good practices and the promotion of specific actions** around the good use of the Internet and technology: the ICT Coalition, and the Alliance to Better Protect Minors Online.

We continue to promote, globally and locally, the acquisition of digital skills and encourage the healthy and safe use of technology through our participation in the following working groups: DigitalES (Spain), TIC e Infancia Working Group (Colombia), Generación Única UNICEF (Argentina), Accesibilidad y Uso de las TIC Working Group – Ministerio de Educación (Ecuador), Internet Seguro para Todos Working Group of the Vicepresidency de Ciberseguridad of the Asociación de Internet MX (Mexico), Working Groups from the

Ministry of Education and Culture, National Youth Institute and Ministry of Social Development (Uruguay).

> Blocking of content

In the proactive fight against content with images of sexual abuse of minors on the Internet, Telefónica blocks these materials following the guidelines and lists provided by the Internet Watch Foundation in the following countries: Ecuador, Spain, Mexico, United Kingdom Uruguay and Venezuela. Telefónica Colombia does the same through the URL lists provided by MINTIC, DIJIN, Coljuegos and legal authorities. The procedure complies with **network neutrality**, the right to freedom of expression and, above all, current regulations at all times, and the blocking of content is also coordinated with the corresponding police forces and other public bodies.

> Audiovisual environment

The way we consume television has changed. However, it is no secret that children and adolescents are making **increasingly intensive use of audiovisual content**. Screens also play a fundamental part in their personal, social and civic development, which is why we believe it is vital to:

Ensure our programming protects minors from potentially inappropriate content;

Establish the necessary tools to make good use of television, making sure parents have effective technical resources to exercise their responsibility over the audiovisual content their children watch.

Promote digital literacy among minors and their families in order to leverage the potential of audiovisual media, making them aware of the need for responsible and intelligent use of screens.

That is why we have included the following initiatives in our operations:

Labelling and cataloguing of content by age and type of content.

Parental controls, parental PINs and PINs in bought devices, so customers can block channels and content on demand for minors.

Specific adult content is presented in a separate section and a special PIN has to be used to access it.

Information on responsible TV use on the device itself and on the commercial website, as well as other awareness-raising activities on the proper use of screens.

The M+ **mobile application** for smartphone and tablet.

> Products and services

Although Telefónica believes that nothing can replace the role of an adult when it comes to educating children and young people in the **healthy and safe use of screens**, when this is not possible we can always count on the support of technology. To this end, we are committed to promoting and developing products and services that help us to face successfully the challenge of the digital world:

Parental controls: Qustodio (Chile), Control Parental Movistar TV (Venezuela, Colombia).

Security solutions with parental control functionality Smart WiFi (Spain), Vivo Play TV and Vivo Play App (Brazil).

Other services (anti-virus, personalised packs) Conexión Segura (Spain, Argentina, Chile), O2 Protect (Germany), Localizador Familiar (Argentina), Seguridad Dispositivo (Spain), Seguridad Total and Premium (Chile), Seguridad Total (Colombia), Seguridad Total + Conexión Privada Móvil (Argentina), McAfee Seguridad Digital and Safe Connect (Brazil) and McAfee Mobile Security Plus (UK).

> Working together with our suppliers

Together with our suppliers, we evaluate the implementation of the basic parameters for the protection of minors, especially in the field of security, from the design of terminals to the operating systems.

We ask device manufacturers and operating system providers to ensure the following:

Inclusion of mechanisms that protect children and teenagers (parental control, age restrictions, approval systems for the installation of applications, protection systems for purchases, limits on the use of applications and devices, etc.).

Incorporation of self-monitoring mechanisms, known as 'digital well-being', to enable better use of devices and offer user options to reduce dependence;

Provision of regular security **updates** to protect customers from new risks and threats that are constantly emerging and endangering users' data and privacy, while extending device lifetime.

Inclusion of **functionalities** that help the user to reduce distractions due to misuse of the mobile phone at the wheel (voice operation, muting of notifications, etc.).

> Education and awareness-raising initiatives

We continually talk about the challenge of keeping up to date with technological developments and having the necessary knowledge to be able to live in an increasingly digitalised society in a conscious, responsible and safe manner. Every technological breakthrough places a new educational challenge for all of us, adults and children, to address, a situation that we must know how to take advantage of.

Being fully aware of the situation, Telefónica is committed to the development of training and awareness-raising initiatives for the public in general.

The **Dialogando** portal is an example of this. The initiative has been implemented in 10 countries in which the Company operates and helps society at large to reflect on how we use technology in our daily lives thanks to the resources prepared by a committee of experts on different issues related to digital life.

Progress in 2021

In 2021, in order to reinforce the safety of minors on our TV platform, we launched the new version of the M+ mobile app for smartphone and tablet (available on iOS 12 or higher and Android 8 or higher). A version that allows parents to set up a specific profile for children so that minors can enjoy all Movistar+ children's content in a controlled and safe environment.

Throughout the year, numerous awareness-raising initiatives have been carried out on the following topics: grooming, sexting, cyberbullying, digital divide, digital violence, tolerance on the Internet, digital well-being, responsible driving, online fraud, data privacy, digital identity, fake news, eSports and gaming, digital leisure, etc., with more than 1,951,222 million people impacted through these actions and through collaborators such as Club de Malasmadres, FAD, iWomanish, Gonvarri, Faro Digital, RedPapaz, Sin Trata A.C., Fundación Habla, Construyendo Futuros, Te Contamos, Circuito radial 'FM Center', CHS Alternativo, NSPCC, among many others.

2.10. Contribution and impact on communities

GRI 103

KEY POINTS

- Telefónica has contributed over €100 billion to communities, according to innovative ESG impact assessment model that we have developed.
- We published the "A connected world, a sustainable world" report, analysing our direct and indirect contributions to the targets defined in the UN's 2030 Agenda.
- Our work agenda revolves around SDG 9, deploying sustainable, resilient infrastructure and driving innovation and development.

2.10.1. Vision

Global economic development demands greater social and environmental responsibility to ensure more inclusion, more ecosystem and biodiversity protection, and more shared wealth for the benefit of present and future generations.

The greater awareness of social actors has also permeated the business world, including the way business is carried out and how employees work from day to day.

In this context, we need to go a step further and assess and measure the social and environmental impact generated by companies, in order to quantify their value and integrate this into organisational management as an indicator for consideration in decision-making processes.

At Telefónica, we use the Sustainable Development Goals (SDGs) defined in the UN's 2030 Agenda as a strategic framework for our commitment to society and environmental protection, and as a base for analysing and evaluating our contribution to socio-economic development.

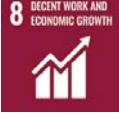
2.10.2. Strategy and commitments

Over the last few years, we have been assessing and identifying the main goals and targets of the 2030 Agenda, and where we are generating the greatest value based on our technical and commercial capabilities and the geographical regions in which we operate.

Accordingly, we focus on three main lines of action in keeping with our strategic pillars, and we have identified **SDG 9 (Industry, Innovation and Infrastructure)** as the main goal where we are generating the greatest value, thanks to our deployment of communications infrastructures and our ongoing commitment to innovation and the promotion of entrepreneurship.

We have a work agenda based on SDG 9, to which we contribute by deploying sustainable, resilient, quality infrastructure and innovation.

Aligning our lines of action with the Sustainable Development Goals

Helping society thrive	Building a greener future	Leading by example
Promote more inclusive connectivity, where we bring digitalisation to all people and boost the social and economic development of the communities where we are present.	Increase our contribution to society and the environment for more sustainable and planet-friendly development.	Build trust through our actions and commitments, promoting and fostering inclusion and equality for all, ensuring confidence in digitalisation and driving sustainability among all our stakeholders.
 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE Provide faster and better Internet for people and businesses.	 13 CLIMATE ACTION  7 AFFORDABLE AND CLEAN ENERGY Implement a more efficient telecommunications network (fibre and 5G) powered by 100% renewable electricity.	 5 GENDER EQUALITY Be a leader in inclusion to drive equality and equity.
 8 DECENT WORK AND ECONOMIC GROWTH Drive digitalisation for a more sustainable society and economy.	 11 SUSTAINABLE CITIES AND COMMUNITIES Become a leading provider of solutions that help our customers reduce their CO ₂ emissions.	 16 PEACE, JUSTICE AND STRONG INSTITUTIONS Improve trust through the ethical and responsible use of technology, ensuring the security and privacy of our customers' data.
 4 QUALITY EDUCATION Tackle inequalities by investing in digital skills.	 12 RESPONSIBLE CONSUMPTION AND PRODUCTION Promote the circular economy in the use of electronic devices through eco-design, re-use and recycling.	 17 PARTNERSHIPS FOR THE GOALS Commit to the highest standards of business principles and ethics, promoting sustainability in our supply chain.



> Evaluation of our contribution and impact GRI 102-29

We define social and environmental impact as the changes experienced by people and the planet as a result of a particular activity, project, program or policy that affects human conditions in the long term.

Impact measurement and management²² is also defined as the identification and quantification of metrics agreed with stakeholders to measure the changes experienced by people and the planet as a result of a particular activity, project, program or policy and the extent to which the agent of change contributes to such changes. This results in a learning process that is to guide the organization's actions and determine the management of the intervention. These changes can be measurable, positive or negative, intended or unintended, tangible or intangible.

Based on these premises and bearing in mind that our contribution goes beyond financial results, at Telefónica we **assess our overall contribution and the impact of our strategic objective in different areas**. In this regard, in 2021, for the third consecutive year, we have carried out a comprehensive study of Telefónica's contribution to the most material issues, and where it can generate the greatest value or impact for the company's future:

²² Report of the Social Impact Chair - ICADE

Maximising our contribution to the socio-economic development of the regions in which we are present, and

Minimising the negative impact our activity and products and services can have on the environment and society.

We have developed a **comprehensive impact analysis model** that allows us to:

Monitor the evolution of the company's main contribution and impact indicators

Evaluate our contribution to the 2030 Agenda

Detect and monitor risks that may affect our activity, and

Facilitate decision-making to improve our business and increase our contribution to society.

To this end, we have adapted different methodologies and evaluation frameworks to the particularities of our sector and the characteristics of Telefónica. The main methodologies we have applied are based on the following international frameworks:

The Impact Management Program (IMP) evaluation model

Calculation methodologies defined in Harvard University's Impact Weighted Account Initiative (IWA)

True Value methodology developed by the consultancy firm KPMG.

We have also taken into account new impact assessment guidelines and frameworks published by international organisations and academia.

Our integrated model adopts a two-pronged approach, depending on the type of evaluation we are looking for:

1. The Value Analysis Model: an assessment model that identifies the overall impact of our company, and
2. The Product and Service Assessment Model: in this case, we perform specific evaluations of the main projects or commercial solutions to analyse their impact on society or the environment.

Value analysis model

Measurement and quantification
(monetisation) of the impact of Telefónica on 25 external issues classified into three areas:



SOCIAL



ENVIRONMENTAL



CORPORATE GOVERNANCE

Model for assessing products and services

Metodología de medición del IMP (Impact Management Project)



WHAT



WHO



HOW MUCH



CONTRIBUTION



RISK



> Value analysis model

Based on our materiality matrix and Telefónica's three strategic pillars, we have evaluated a set of impact variables, presenting the environmental, social and governance value we generate, with a series of indicator groupings according to the relationship between them.



[Go to chapter 1.4. on Materiality](#)

The material topics analysed are distributed across the three strategic pillars and aligned with the Sustainable Development Goals (SDGs) on which a potential positive or negative impact is generated.

The following chart shows the distribution of the indicators assessed and the associated SDGs. The model shows that Telefónica has contributed more than 100 billion euros to socio-economic development globally during the year 2020.

Assessment of our contribution and impact on socio-economic development and the environment

Helping society thrive	Build a greener future	Lead by example
  	   	  
Economic development Direct Contributions to local treasures Regional contributions to job creation	Impact on natural resources Waste management Water consumption Impact on biodiversity	Ensuring inclusion and equality Quality wages - pay gap Diversity
Entrepreneurship and education R&D Entrepreneurship Digital skills and employability	Impacts on the environment Emissions emitted Emissions offset	Well-being of employees and workers Training and talent management Employee health and safety
Digital inclusion and social contribution of products and services Deployment of connectivity Affordability and accessibility Security and responsible use of technology Impacts of fraudulent use of technology Security services	Digitalisation Use of renewable energies Energy efficiency Innovative services Re-use of equipment	Inclusive and strong partnerships Corporate volunteers Cultural programmes
Total contribution (€) €94.842 billion	Total contribution (€) €943 million	Total contribution (€) €4.962 billion

Important Note

The result of the assessment of the contribution and impact on socio-economic development and the environment corresponds to information and indicators from the Telefónica Group, including Fundación Telefónica, in 2020.

2.10.2.1. Helping society thrive

GRI 203-1, 203-2, 204-1

Telefónica wants to bring the best connectivity and the latest technology to everyone. We advocate people-centred digitalisation to tackle unequal opportunities.

Impact assessment is the first step in understanding how value is actually generated. Accordingly, we have structured this pillar in three sub-categories to show the socio-economic contribution resulting from our investments in our business, as well as all the extra-financial impacts derived from the main telecommunications business:

Economic contribution

Entrepreneurship and training

Contribution of our products and services

Telefónica's largest contribution to society—quantified at almost 95 billion euros—comes from our products and services.

In addition to the monetised calculation of impact, we also monitor specific SDG indicators linked to our company strategy. Accordingly, for the strategic pillar 'Helping society thrive' we have:

SDG 9 - Build inclusive and sustainable connectivity	
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	

> Lines of action for SDG 9

Inclusive digitalisation (TARGET 9.1) - Strengthen and invest in very high-capacity networks that have proven to be critical for future competitiveness:

Increase high-speed mobile network coverage (LTE) and drive the deployment of new 5G networks.

Increase coverage of ultra-broadband (fibre) networks in all regions.

State-of-the-art (TARGET 9.5) - Foster innovation and technological entrepreneurship through our open innovation programs.

Accessible (TARGET 9.c - UNSTATS indicator 9.c.1) - Bring connectivity to where it is missing, connecting millions of people in rural or remote areas who have no, or very limited, access to the Internet.

We are deploying state-of-the-art networks not only to lead the markets where we operate and ensure a reliable

and resilient service, but also to connect the greatest number of people possible.

We have digital services based on the latest technology, and we add a social component to our innovation, because we refuse to understand progress without people.

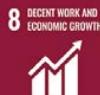
Over the past year, we have maintained our broadband network coverage roll-out efforts in both Europe and Latin America. Our LTE networks reach virtually the entire population in the European regions where we operate and we are driving the roll-out of 5G and fibre to all areas, including rural and remote areas.

However, beyond infrastructure, the promotion of innovation and entrepreneurship, through programs such as **Open Future**, **Telefónica Venture Capital** or **Wayra**, is proving to be a catalyst that prevents the flight of young talent to other parts of the world, driving innovation and economic development in many regions.

More specifically, over the last 10 years, Telefónica's open innovation area has invested more than €190M in 1,032 start-ups around the world, around 500 of which are currently part of our portfolio.

[Go to chapter 2.7 on Digital Inclusion](#)

Contribution to SDG 9			
Target	Indicator	2020	2021
9.1			
	Investment in research, development and innovation	4,626	4,426
	Prepaid customers (thousands)	131,542	129,676
	Universal service (million euros)	174	169
9.5			
	R&D investment (million euros)	959	835
	Industrial property Rights portfolio (includes patents)	440	421
9.c			
	4G/LTE Mobile coverage	83	87
	UBB - Ultra Broadband (real estate units passed)	61,797,906	68,853,722



SDG 8 - Drive digitalisation for a more sustainable society and economy

The impact of telecommunications and broadband on development has been well documented in various international studies which conclude that we are a **strategic player in the economic growth** of the countries in which we are present. This is both directly through our commercial and technological activity and our capacity to multiply our reach to other industries, allowing Telefónica to move forward and adapt to the new needs and demands of an increasingly globalised and interconnected market.

We encourage the creation of quality employment and, mainly through the Telefónica Foundation, promote the development of employability programmes, in many cases aimed at young people, which facilitate access to the new jobs of the future and activate local entrepreneurship.

These programmes include *Conecta Empleo* and *Lanzaderas de Empleo* and are helping the training and development of people in places that often suffer structural problems of unemployment and talent relocation.

> Lines of action for SDG 8

TARGET 8.1 (UNSTATS indicator 8.1.1) – Support and contribute to the economic growth of the countries in which we provide our services.

TARGET 8.3 - Support key sectors and develop policies for productive activities and innovation to boost economic growth:

Encourage investment in local businesses.

Collaborate with national and international organisations that promote economic development and digitalisation.

TARGET 8.5 (UNSTATS indicator 8.5.2) – Promote employment and quality work for all women and men, including youth and persons with disabilities, and equal pay for work of equal value.

TARGET 8.6 (UNSTATS indicator 8.6.1) - Develop, mainly through *Fundación Telefónica*, initiatives to reduce the proportion of young people who are not employed, in education or training. The indicators associated with this target are published annually in the *Fundación Telefónica* Report.

TARGET 8.8 - Guarantee and protect labour rights, providing a safe working environment for all workers and promoting a sustainable supply chain that incorporates ethical, social and environmental criteria in procurement processes.

Contribution to SDG 8			
Target	Indicator	2020	2021
8.1			
	Impact on GDP (million euros)	44,692	48,904
	Total tax contribution (million euros)	8,160	9,134
8.3			
	% Purchases from local suppliers	77	81
8.5.			
	Total number of employees	112,349	103,934
	Indirect employment generated (employees)	637,990	656,662
	Employees with disabilities	1,118	1,347
8.8.			
	Supplier audits	16,105	17,960
	Suppliers with improvement plans	560	610

Impact on Gross Domestic Product (Target 8.1)

Our overall contribution to the Gross Domestic Product (GDP) of the main countries in which we operate includes both the direct impact of our economic activity, expenditure and investments (indirect impact) and the impact caused by the increase in consumption as a consequence of the rise in labour income generated by the jobs created.

For every euro generated in direct impact, in the nine main countries where we are present, we have generated an additional 2.3 euros indirectly through expenditure and investment.

Impact on GDP (main operations)

	Millions of euros	% of total impact
Total impact	48,904	
Direct impact	14,774	30 %
Indirect impact	22,084	45 %
Induced impact	12,047	25 %

Definitions

- **Total impact:** total impacts generated by corporate activity and the expenses and investments we make in the countries where we operate;
- **Direct impact:** impact generated directly by our operations.
- **Indirect impact:** impact generated by the expenses and investments of our supply chain.
- **Induced impact:** impact generated by an increase in consumption resulting from the rise in labour income generated by direct and indirect employment.

Countries included in the analysis: Argentina, Brazil, Chile, Colombia, Germany, Mexico, Peru, Spain and the United Kingdom.

Impact on GDP

	Millions of euros	% of total impact
Germany	6,299	0.2%
Argentina	1,829	0.1%
Brazil	12,608	1.0%
Chile	2,865	0.2%
Colombia	1,540	0.1%
Spain	16,736	1.3%
Mexico	835	0.1%
Peru	1,609	0.1%
United Kingdom	4,582	0.4%

For every euro of gross operating margin we obtained, we generated 2.2 euros which contributed to the GDP of the main countries in which we operate.

Contribution to the creation of quality employment

In addition to the direct jobs created by the company, our activity stands us in good stead as a driving force for progress and the creation of indirect and induced additional jobs.

The activities we undertake mean that, for every person we contract to the workforce, we generate an additional 10.4 jobs in the countries we operate.

Impact on employment (main operations)

	Impact on employment in the main countries (no. of persons)	% of total impact
Total impact (1)	1,212,163	
Direct impact (2)	106,034	9 %
Indirect impact (3)	656,662	54 %
Induced impact (4)	449,467	37 %

Definitions

- **Total impact:** Total impacts generated by our corporate activity and the expenditure and investments we make in the countries where we operate.
- **Direct impact:** Employees hired directly.
- **Indirect impact:** Jobs generated in companies and sectors that receive our expenditure and investments and by their respective suppliers.
- **Induced impact:** Jobs created in all economic sectors thanks to the economic activity generated in an induced way in the market as a whole.

Countries included in the analysis: Argentina, Brazil, Chile, Colombia, Germany, Mexico, Peru, Spain and the United Kingdom.

Impact on employment

	Impact on employment (no. of persons)	% of total local employment
Germany	45,348	0.1%
Argentina	36,698	0.24%
Brazil	562,250	0.62%
Chile	56,458	0.68%
Colombia	91,145	0.42%
Spain	227,585	1.18%
Mexico	36,520	0.07%
Peru	105,109	0.63%
United Kingdom	51,051	0.16%



SDG 4 - Address inequalities by investing in digital skills.

Education is a key tool for ensuring inclusion and fostering growth and progress. In this context, the rapid digitalisation of the economy requires an increasing number of professionals to manage and drive its development. Education also plays a key part in **bridging the digital divide**.

Through various programmes, Fundación Telefónica and Telefónica Educación Digital promote educational innovation and work to bring quality digital education to every corner of the globe.

More specifically, programmes such as Profuturo, developed jointly by Fundación Telefónica and Fundación 'la Caixa'. Profuturo was launched in 2016 and has reduced the education gap, providing quality digital education to more than 19.7 million children and training more than 914,000 teachers in 40 countries in Latin America, Africa, Asia and the Caribbean.

The promotion of training through online courses available on the MiriadaX platform has also improved the skills of millions of students enrolled in MOOCs.

Other programmes developed by Fundación Telefónica include Conecta Educación, Code.org, Conecta Empleo and 42, and they contribute to the development and training of young people to improve their digital skills and open the doors to a labour market that is increasingly demanding this type of profile.

> Lines of action for SDG 4

TARGET 4.1 (UNSTATS indicator 4.1.1) - Implement education programmes so that all children can complete primary and secondary education.

TARGET 4.4 (UNSTATS indicator 4.4.1) - Improve and empower people for the new digital environment:

Enable access to training courses in the skills needed to access employment and entrepreneurship.

Ensure that all our employees have access to personalised digital skills retraining programmes.

TARGET 4.c (UNSTATS indicator 4.c.1) - Increase the supply of qualified teachers through specific training programmes and by promoting the modernisation and digitalisation of education.

Targets 4.1 and 4.c are mainly addressed through our Foundation and contribution indicators are published annually in the Fundación Telefónica Report.

Contribution to SDG 4			
Target	KPI	2020	2021
4.4.	Beneficiaries of the digital skills training programme	2,321,189	782,948
	Internal employee training hours	32	39

2.10.2.2. Building a greener digital future

At Telefónica, our commitment to the planet focuses mainly on the environmental SDGs, as digitalisation is a key tool for addressing atmospheric pollution and climate change.

For this reason, we work on the basis of efficiency and innovation, seeking improvements and solutions designed not only to reduce our environmental impact but also that of our partners and customers through the products and services we offer.



[Go to chapter 2.1 Responsibility with the environment](#)

Build a greener digital future, increase our contribution to society and the environment for sustainable development.

In order to achieve our climate commitments and contribute to the 2030 Agenda, our main lines of action are to **promote energy efficiency and renewable energy consumption** in our operations, **reduce our carbon footprint** and **develop digital solutions** that help our customers reduce their emissions.

This working approach also allows us to leverage **de-carbonisation opportunities**, be more competitive and offer our customers low-emission connectivity.

In this regard, the impact assessment we have developed analyses both the negative impact generated by our business activity and the positive contribution to the de-carbonisation of the economy and the effects of climate change. This calculation shows that **Telefónica's total contribution to the environment is positive, amounting to more than 943 million euros. This is mainly due** to the contribution of new digital services, the reduction of our environmental impact and our efforts to modernise and control our energy consumption.

The targets and indicators associated with the environmental Sustainable Development Goals we have analysed are as follows:



SDG 7 - Develop the most efficient telecommunications network, powered by renewable energies

We reduce our impact on climate change through the decarbonisation of our business, working to disconnect the growth of traffic through our networks from greenhouse gas emissions.

The aim is to align our efforts with the level of decarbonisation required to limit global warming to below 1.5°C.

Our carbon footprint comes mainly from electricity consumption, so **from 2019 our consumption has been 100% renewable in Europe and Brazil** and we are committed to **extending this to all our operations by 2030**. Coupled with an ambitious energy efficiency programme, this has meant that our carbon emissions have been reduced significantly in recent years.

> Lines of action for SDG 7

TARGET 7.2 - Promote the use of renewable and clean energies in all our activities.

TARGET 7.3 - Encourage the development of projects that increase energy efficiency and improve the technology needed to provide modern, sustainable energy services.

Contribution to SDG 7			
Target	KPI	2020	2021
7.2	Electricity from renewable sources in own facilities (%)	78.8 %	79.4 %
7.3	Emissions avoided thanks to renewable energy consumption (tCO2e)	782,868	902,019
	Emissions avoided by energy management (tCO2e)	43,536	68,833



Our greatest contribution to climate change mitigation and adaptation undoubtedly comes from greater digitalisation, supported by a renewed network and solutions that address environmental challenges.

In this line of work, we have avoided the emission of millions of tonnes of CO₂ thanks to services such as connectivity, the Internet of Things (IoT) and the Cloud. The aim was to promote a more efficient use of resources, improve the energy efficiency of our customers and avoid greenhouse gas emissions.

The targets we address for SDG 11 are therefore aligned with our strategic goal of avoiding 12 million tonnes of CO₂ per year in our main markets by 2025 through our products and services.

> Lines of action for SDG 11

TARGET 11.6 - Promote the development of digital services and solutions that have a positive impact on the environment and help create more sustainable and resilient cities.

Contribution to SDG 11			
Target	KPI	2020	2021
11.6	Emissions avoided through Eco Smart services (million tCO2)	9,543	8,684



The responsible design of the products and services we offer, incorporating eco-design criteria, is one of the strategic pillars we have at our disposal to help reduce our impact on the environment and ensure a greener future.

We are also aware that electronic waste has become a challenge in recent years and needs to be addressed at all levels; for this reason, we promote initiatives to evolve and define our internal processes in order to adapt them so that we can maximise the reuse and recycling of this waste.

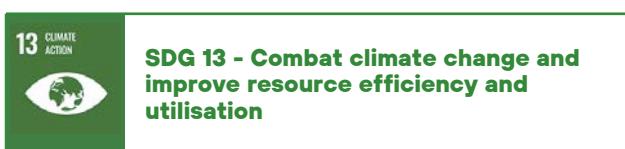
> Lines of action for SDG 12

TARGET 12.2 (UNSTATS indicator 12.2.1) - Achieve sustainable management and efficient use of natural resources.

TARGET 12.5 (UNSTATS indicator 12.5.1) - Minimise waste generation through prevention, reduction, recycling and reuse activities, promoting programmes that foster the circular economy and waste recycling.

TARGET 12.6 - Transform our internal processes to ensure that all our solutions are designed and developed according to ethical and sustainable criteria.

Contribution to SDG 12			
Target	KPI	2020	2021
	Total energy consumption (MWh)	6,269,962	
	Generation of waste (tonnes)	46,912	
	Waste recycling (%)	98	
	Responsible Design Process		



At Telefónica, we want to help reduce the impact of climate change by increasing efforts in our own operations, but also throughout the value chain and by committing to a horizon of zero net emissions. For this reason, we are working towards SDG 13 with a commitment to achieve zero net emissions in our main markets by 2025.

[Go to chapter 2.2 Energy and climate change](#)

> Lines of action for SDG 13

TARGET 13.2 - Incorporate climate change measures into the company's policies and strategies through emission reduction programmes.

Contribution to SDG 13			
Target	KPI	2020	2021
13.2			
	Direct emissions (Scope 1) (tCO2)	207,872	183,231
	Indirect emissions (based on market method) (Scope 2) (tCO2)	467,587	353,506
	Other indirect emissions (Scope 3) (tCO2)	2,146,226	2,072,159

2.10.2.3. Leading by example

Human-centred digitalisation must focus on **building trust**, basing actions on values and using technology in a responsible way so that no one is left behind due to lack of access or knowledge. That is why we want to put the great opportunities brought about by the technological revolution at the service of the majority. We are committed to ensuring that schooling does not stand still and moves forward in all contexts, and we are particularly focused on extending digital skills so that the transformation the labour market is undergoing benefits as many people as possible.

Build trust through our actions and commitments, promote education and favour inclusion and equality.

The evaluation of our contribution amounts to 3.5 billion euros, which highlights the impact of salaries and the investment made in employee health and safety programmes.



Equal opportunities are a source of talent for us and we are firmly committed to their promotion.

We are working hard to achieve gender equality and promote the use of technology for the empowerment of women.

We also promote and collaborate with programmes that promote women's access to technological careers (STEM), such as *Technovation*, because equal opportunities and digitalisation must be based on diversity in all areas.



[Go to chapter 2.6 Human Capital](#)

> Lines of action for SDG 5

The targets are to reach 33% of women in managerial positions and to achieve equal pay, reducing the gender-adjusted pay gap to +/-1% by 2025 and the gross gap to zero by 2050.

TARGET 5.2 - Work towards the elimination of all forms of violence against women.

TARGET 5.5 (UNSTATS indicator 5.5.2) - Commitment to fostering women's leadership, increasing the proportion of women in leadership positions and eliminating all forms of unequal pay.

TARGET 5.b - Improve the use of instrumental technology, in particular information technology, to promote women's empowerment by fostering actions and programmes that help reduce the digital gender gap and promote STEM careers among young women.

Contribution to SDG 5			
Target	KPI	2020	2021
5.2	Cases of discrimination detected/measures taken	3/2	0
5.5	% Women on the Board of Directors	29	33
	Women in management positions	27	30
	% Women in workforce	38	38
5.b	Programmes to promote STEM careers	27	52



SDG 16 - Improving trust through the ethical and responsible use of technology

A key part of guaranteeing justice and strong institutions is **ensuring personal privacy and security** in digital services.

For this reason, we work with integrity in all areas of business and hold ourselves to strict ethical principles of responsible business, while making it a top priority to ensure the privacy and security of our customers' information and the products and services we offer.



[Go to chapter 2.15 Privacy and security](#)

In addition to our internal work, we collaborate with different organisations, social entities and public administrations to support the most vulnerable groups

and promote the responsible and ethical use of new technologies.

> Lines of action for SDG 16

TARGET 16.5 - Combat all forms of corruption and bribery through our internal Responsible Business programmes and ensure the highest standards at all levels of the company to promote trust.

TARGET 16.10 - Ensure public access to information, while protecting fundamental rights and freedoms:

Improve citizens' trust through the ethical and responsible use of technology, respect and protect fundamental freedoms, privacy, security and other digital rights.

Promote digital trust and use of data.

TARGET 16.a - Strengthen institutions and cooperation at all levels with employee-led activities that create value and help the most vulnerable people.

Contribution to SDG 16			
Target	KPI	2020	2021
16.5	Percentage of employees who have taken the Responsible Business course	93	85
16.10	Privacy of information	SASB TC-TL-220a	SASB TC-TL-220a
	Information security	SASB TC-TL-230a	SASB TC-TL-230a
16.a	Corporate volunteering (people)	56,472	59,054



SDG 17 - Develop strong global alliances for sustainable development

The United Nations has identified our sector as strategic to achieving more than half of the targets defined in the 2030 Agenda, including two specific targets related to our ability to take broadband and digitalisation everywhere.

According to internal analyses, we estimate that the deployment of fibre optics, for example, together with the development of digital services in rural areas, can **increase average annual income by up to 3.9%, and reduce the unemployment rate by approximately 1%**, through the promotion and creation of service companies. Similarly, digitalisation could help **increase the productivity of SMEs by 15-25%**.

Thanks to our transformative capacity, we also work to foster national and international collaboration with other organisations also committed to sustainable development.

> Main lines of action for SDG 17

Foster global partnerships and increase Internet use and broadband access to ensure the benefits of digital transformation.

TARGET 17.6 (UNSTATS indicator 17.6.2) - Increase the number of fixed broadband Internet subscribers in all regions where we operate.

TARGET 17.8 (UNSTATS indicator 17.8.1) - Foster collaboration with other organisations to innovate and increase access to, and the use of, technology and digitalisation in all areas of society.

Contribution to SDG 17			
Target	KPI	2020	2021
17.6	Number of fixed broadband subscribers	20,077	25,833
17.8	Penetration of LTE service in the customer base	85	90



Leading by example

2.11. Governance and sustainability culture

GRI 102-29, 102-30, 102-31, 102-32, 102-33

KEY POINTS

- Our code of ethics, also known as Responsible Business Principles, governs everything we do and say. It serves as our compass for conduct and decision-making based on integrity, transparency and commitment.
- Our Responsible Business Plan is approved and overseen at the highest level. It translates our code of ethics into concrete objectives and KPIs, which are then incorporated into the company's Strategic Plan.
- Sustainability forms a steadfast part of our organisational culture and is substantiated via the integration of ESG in key areas related to our employees: business objectives, variable remuneration, training and awareness campaigns.

2.11.1. Governance

GRI 103, 102-16, 102-20, 102-26, 102-30, 102-31, 102-32, 102-33

At the Telefónica Group, we have a code of ethics and conduct—our Responsible Business Principles—and a Sustainability Policy, which govern what we say and do in our daily activities in order to act with integrity, commitment and transparency.

This code of ethics was reviewed and updated in 2021 to ensure that it continues to meet the new demands of the market and society with the utmost rigour. This update highlighted issues such as respect for, and promotion of, human and digital rights; as well as innovation, development and responsible use of technology, emphasising the importance to the company of both these areas. Further issues have also been included (climate change, the circular economy, new ways of working and elimination of barriers, etc.) as necessary in the current working and social environment.

To ensure that our Responsible Business Principles are the common thread running through everything we do, we have a **Responsible Business Plan** that includes targets and projects in every key area of the Principles and the three pillars of our strategy: leading by example; helping society thrive; and building a greener future.

We incorporate the objectives of the Responsible Business Plan into the **company's Strategic Plan**, which reflects the non-financial indicators reported in this document. Some of the major objectives of the Responsible Business Plan are also included in the variable remuneration of all employees, including members of the Executive Committee.

Main sustainability governing bodies

Approval	Board of Directors
Supervision	Sustainability and Quality Committee Audit and Control Committee
Follow-Up	Responsible Business Office
Implementation	Corporate Business and Support Areas Country Operators

The **Board of Directors** approves the Responsible Business Principles, the Responsible Business Plan and the most important associated policies on anti-corruption, environmental management, privacy and sustainable management of the supply chain. This forms our ethical and responsible business framework and the roadmap for all employees.

The **Board's Sustainability and Quality Committee** oversees the implementation of the Responsible Business Plan at its monthly meetings. In addition, the **Audit and Control Committee** plays an important oversight role in ethics and sustainability as it supervises the compliance function, the risk analysis and management process and the company's reporting processes.

The Responsible Business Plan is monitored by the **Responsible Business Office**. The heads of Compliance and DPO, Audit, General Secretariat, People, Sustainability, Communication, Security, Purchasing, Technology and Operations, Global Consumer and Telefónica Tech meet four times a year. The Responsible Business Office reports to the Sustainability and Quality Committee through the Global Sustainability Officer.

The **Corporate Business and Support Areas**, on the one hand, and the **Country Operators' executive committees**, on the other, are responsible for implementing the objectives of the Responsible Business Plan.

To put the Responsible Business Plan and Principles into practice, we have a specific training course for employees, as well as global policies and regulations approved at the highest level and mandatory for all Group companies/employees. The following are our main policies:

Main Telefónica Group sustainability policies and regulations



Ethics

- Global Anti-Corruption Policy
- Compliance Function Policy
- Crime Prevention Policy
- Internal Rules of Conduct
- Compliance Function Policy
- Regulation on the Prevention and Management of Fraud in Telecommunications
- Regulations on Relations with Public Entities
- Complaints Channel Management Policy
- Corporate Policy on the Comprehensive Discipline Programme
- Fiscal Control Policy
- Risk Management Policy
- Consolidation Reporting Compliance Manual
- Conflict of Interest Regulations



Supply chain

- Supply Chain Sustainability Policy
- Supply Chain Sustainability Regulations
- Low Carbon Procurement Instruction
- Procurement of Goods and Services Regulations
- Supply Chain Security Regulations



Privacy and freedom of expression

- Global Privacy Policy
- Personal Data Protection Governance Model Regulations
- Regulations on Requests from Competent Authorities in Security
- Global Security Policy



Human capital

- Protocol for Action in Situations of Workplace or Moral Harassment, Sexual Harassment and Discrimination
- Occupational Health, Safety and Well-being Regulations
- Diversity and Inclusion Policy
- Diversity Policy in relation to the Board of Directors and Selection of Directors
- Remuneration Policy for Telefónica, S.A. directors
- Policy on Appointments and Removals of Directors
- Regulations of the Appointments, Compensation and Corporate Governance Committee



Human rights

- Global Human Rights Policy
- Principles of Artificial Intelligence



Responsible communication

- Market Disclosure Regulations
- Shareholder Communication Policy
- Responsible Communication Regulations
- Social Media Regulations



Environmental management and climate change

- Global Environmental Policy
- Energy Management Policy

2.11.2. Culture aligned with ethical and sustainable management

GRI 102-27

Besides ensuring ethical behaviour and the responsible management of our business, our ultimate goal is to incorporate corporate sustainability activities and strategies as a **key part of our organisational culture**, bringing internal conduct, processes and objectives in line with the company's purpose and values.

In doing so, we are guided by our Responsible Business Principles, which are developed across 10 thematic areas:

1. **Ethical and responsible management.**
2. **Corporate governance and internal control.**
3. **Respect for and promotion of human and digital rights.**
4. **Our commitment to the environment.**
5. **Innovation, development and responsible use of technology.**
6. **Responsible communication.**
7. **Our commitment to customers.**
8. **Our commitment to employees.**
9. **Our commitment to the societies in which we operate.**
10. **Responsible supply chain management.**

To further align internal culture with ESG (environmental, social and governance) factors, we systematically link all aspects of sustainability to long-term business value, ensuring that **every internal process and activity is consistent with our purpose**. Moving the organisational culture forward, and including commitment to sustainability, is a long-term task that requires shared vision and commitment at every level of the organisation.

We highlight several work streams that offer a practical view of how we work to help the organisation progress towards sustainability:

Training and awareness: first and foremost, building an organisational culture in the field of sustainability requires the provision of training for all our employees. For this reason, we continuously train our entire workforce in Responsible Business Principles and Human Rights (for more information see chapter 2.12. Ethics and compliance). In addition, specific strategic training is given annually on key issues such as privacy, digital security, ethics and artificial intelligence, accessibility and diversity. Training is accompanied by intensive internal communication campaigns and awareness-raising events.



[Go to chapter 2.12. Ethics and compliance](#)

Internal processes and activities: our aim is for every employee to understand that sustainability is part of our daily activities. Sustainability is an element that brings value and differentiation to the different areas of the business. For example, in 2021, we systematically incorporated ethical and sustainability aspects into product and service development processes. In this framework, we trained employees in specific ethical and sustainability issues related to the design of our products and services, such as impact on human rights, eco-design, accessible products and services, social impact and data ethics (for more information, see chapter 2.9. Responsibility in our products and services).



[For more information, see chapter 2.9. Responsibility in our products and services](#)

Alignment with business priorities: in addition, it is necessary to present a business case to demonstrate alignment with ESG factors. This means systematically linking all aspects of sustainability to business value. Sustainable businesses must be measurable. One example would be the Eco Smart services, in which we offer our customers digital solutions designed to help reduce their impact on the environment.



[Go to chapter 2.4. Digitalisation and Eco Smart services](#)

Control processes and indicators: we have a robust non-financial indicator control processes to align the organisation.

Remuneration scheme: employee performance appraisals must include sustainability. Therefore, as mentioned above, we have incorporated sustainability objectives into the variable remuneration scheme offered to our employees.

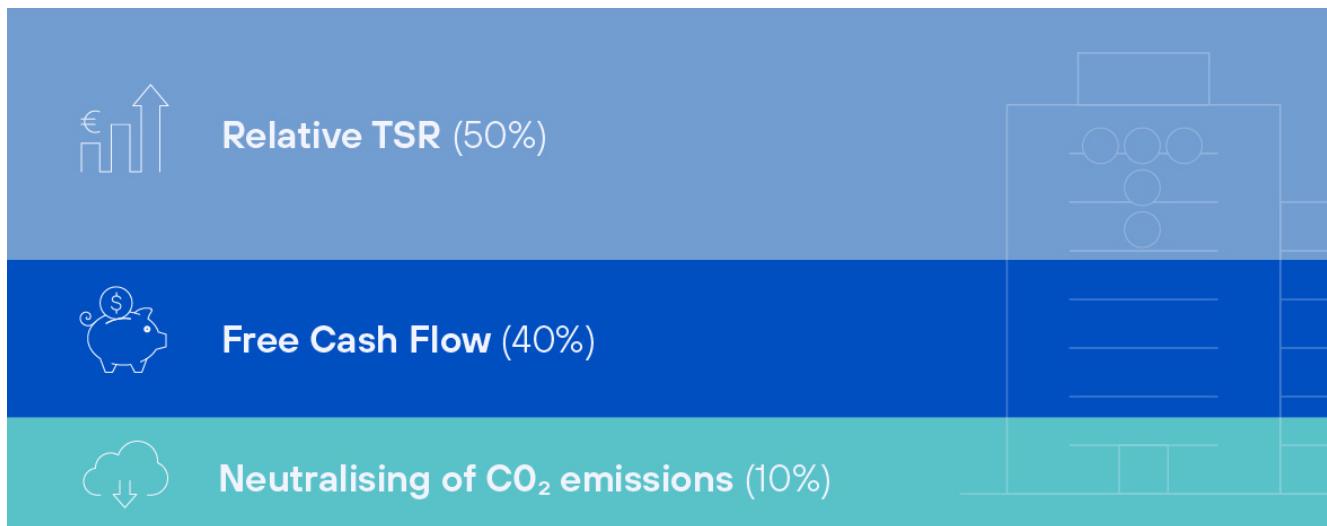


[Go to chapter 5.1. Annual Report on Remuneration](#)

Annual variable remuneration



Long term incentive (2021-2026)



2.12. Ethics and compliance

GRI 102-16

KEY POINTS

- We foster a culture of ethics and compliance driven by our Board of Directors and top management. Our employees are trained in our Responsible Business Principles via a mandatory course.
- We have a zero tolerance of corruption and bribery.
- Our "Concern and Whistleblowing Channel" ensures that our stakeholders have the opportunity to transmit their concerns, complaints and claims in an anonymous or personal manner.

2.12.1. Vision

Ethical and responsible conduct is key to gaining the trust of our stakeholders, thereby ensuring the sustainability of our business. For this reason, the Responsible Business Principles, our code of ethics, are a **core pillar of Telefónica's strategy and culture** which must be complied with by all employees, including, in particular, senior management.

Any breach of these Principles by employees will be considered an infraction in labour terms, punishable in accordance with the specific provisions of applicable law.

Main ethical issues regarding our stakeholders

Customers	Simplicity, transparency and integrity in our products and services. Responsible communication. Data transparency.
Employees	Course on Responsible Business Principles and Human Rights. Clear guidelines for ethical and non-discriminatory behaviour. Promoting diversity and talent management.
Suppliers	Requirement for our suppliers to comply with ethical standards and respect human rights in our supply chain. Identification and prevention of conflicts of interest.
Investors	Transparency, integrity and materiality with regard to reports and information. Proactive commitment to ethical issues.
Company	Protection and promotion of human rights. Zero tolerance of corruption. Political neutrality. Responsible fiscal behaviour and fiscal transparency. Ethical commitment through the Concern and Whistleblowing Channel.

2.12.2. Governance

To meet our stakeholders' expectations (see table above), we need a culture of ethics and compliance originating at the Company's top management, with clear lines of responsibility and a firm commitment to best business and ethical practices. The Board of Directors therefore approves the Responsible Business Principles, the Responsible Business Plan and associated policies.

There are also several Board committees, which **specifically monitor ethics and compliance issues** through heads of the Sustainability, Compliance and Internal Audit areas.

Governance of ethics and compliance



2.12.3. Policies

Our main internal performance standards and policies on the culture of ethics and compliance are as follows:

- Responsible Business Principles
- Anti-Corruption Policy
- Compliance Policy

Local crime prevention policies and regulations

Internal Rules of Conduct

Telecommunications Fraud Prevention and Management Regulations

Regulations on Relations with Public Bodies

Complaints Channel Management Policy

Corporate Policy on the Comprehensive Discipline Programme

Conflict of Interest Regulations

Regulations on Anti-Corruption Certifications for Management

Regulations on Procurement Related to Public Bodies

2.12.4. Risks and opportunities

Implementing a solid culture of ethics and compliance is essential to ensure the Company's future and sustainability. It also contributes to guaranteeing the trust of our customers, shareholders, employees, suppliers and society in general.

The nature of our business and our presence in many jurisdictions, which involves **necessary compliance with various national and extraterritorial regulations**, as well as the progressive demand for specific compliance programmes, represent a challenge to implementing this culture and we must constantly adapt our compliance activity to the prevailing needs of each company or business unit.

There is also the challenge and need to continue fostering and consolidating this culture internally, so that our employees can adopt ethical and responsible decisions in the face of the dilemmas and conflicts they face during their daily activities.

2.12.5. Strategy and commitments

GRI 103, 102-16

To ensure ethical behaviour throughout our Company, we have several lines of action: **zero tolerance of corruption and bribery**, compliance with the law and regulations, employee training, internal mechanisms (for reporting potential non-compliance), fair competition, prevention of money laundering, political neutrality, responsible communication and monitoring through internal control.

Targets

Update the courses on Criminal Responsibility and Competition Law, available for Telefónica S.A., our corporate Spanish entities and their subsidiaries.

Update the Responsible Business Principles course and have 100% of employees trained in this subject every three years.

2.12.5.1. Compliance

GRI 205-2

The Global Compliance area, more specifically, the Chief Compliance Officer of the Telefónica Group, reports directly to the Board of Directors through the Audit and Control Committee. The starting point for compliance management is risk assessment and the protection of integrity.

The Compliance Charter is approved by the Board of Directors and defines the main lines of the Telefónica Group's Compliance Programme, its interaction with the Company's business processes and other areas, and the matters identified as particularly relevant in compliance, which comprise:

Compliance Programme subjects*

 Integrity and sanctions	 Privacy and personal data protection	 Relations with competitors	 Security
	 Labour	 Sustainability, supply chain and human rights	 Compliance with sector-specific regulations and customer promise
	 Tax	 Compliance with specific financial regulations - Money Laundering and Tax Fraud	 Regulated areas**

*This chapter features the following topics: a) anti-corruption (integrity), b) competition (relations with competitors) and c) money laundering.

**Regulated areas: this refers to compliance with legislation applicable to insurance and reinsurance companies and pension fund and investment fund management companies.

According to the current Compliance Function Charter, the compliance function is deployed on two levels

Preventive control: this activity is aimed at fostering a culture of compliance, and involves, on the one hand, delivering training and awareness-raising actions on matters such as anti-corruption, criminal prevention and sanctions, as well as supporting other training that may be developed on the other matters described in coordination with the internal areas responsible for them. Furthermore, one of the key elements on which preventive control is based is the **continuous assessment** of compliance risk.

Likewise, within this preventive function of Telefónica Group's Compliance Programme, it is worth highlighting the consultative activity conducted through channels available to employees to make queries related to compliance issues (mainly related to the application of the Anti-Corruption Policy and other related internal regulations). It is also worth highlighting our Compliance-based **protocols for assessing suppliers and business partners** which are put into practice in the context of the continuous and gradual improvement of our Compliance Programme. In this respect, of the assessment protocols applied to corporate transactions (mergers and acquisitions) are particularly noteworthy, especially regarding anti-corruption and, where appropriate, the risk of money laundering and terrorist financing.

Finally, it is worth mentioning other activities within this preventive control function, such as internal regulatory monitoring, the preventive control model, management of conflicts of interest and criminal prevention.

Reaction and response: reaction refers to the action protocols to be followed in situations in which there is sufficient evidence of non-compliance, while response refers to the correction of the consequences of a possible non-compliance by acting on two fronts: (i) **mitigating all the consequences** associated with a possible breach or a breach already evidenced, and (ii) **ensuring consistent application** of consequences for

said breaches, as well as promoting the recognition of employees with outstanding conduct in terms of their commitment to compliance.

> Anti-corruption compliance

The Compliance area oversees and bases a large part of its policies, procedures and controls on **integrity**, a concept that specifically captures, among other initiatives, those that implement our fight against corruption and bribery.

With regard to the policies and procedures in place in the Telefónica Group to combat corruption and bribery, it is worth highlighting, as a basis for the activities described above, the specific internal regulations in this area. The most significant include the Anti-Corruption Policy, together with Regulations on Relations with Public Bodies, Regulations on Conflicts of Interest and the Corporate Policy on the Integral Discipline Programme, among others.

Corruption risk analysis is another of Telefónica's Compliance Programme's focus areas.

As the parties responsible for establishing adequate controls and procedures to ensure compliance with the Anti-Corruption Policy, the Company's directors and executives certify, on an annual basis, their knowledge of and commitment to comply with said Policy and, in general, with the Responsible Business Principles and associated policies, practices and regulations.

> Competition compliance

Fair competition is one of our Responsible Business Principles, and is integrated transversally in several policies and processes within the Company.

We have online training on Competition Law which was launched in 2019, and which consists of the prevention of anti-competitive practices. Designed for all areas of the Company, this course is given in the main countries where we are present, except in Germany and the United

Kingdom, where they have specific or related training courses.

In addition, the Group has certain guidelines for participation in industry organisations and meetings with competitors where clear rules are laid down to **ensure compliance with competition law regarding the exchange and assurance of confidentiality of information**. This is complemented in some countries by specific competition compliance programmes under local legislation (e.g., Chile).



[Go to chapter Annual Accounts Report](#)

> Money laundering compliance

With regards to money laundering, the Company has **payment controls** in place that include due diligence procedures for suppliers and business partners, defined from a compliance viewpoint, and controls on payments to certain high-risk countries. This is then complemented by activities specifically aimed at complying with requirements in the legislation of each country and/or, where applicable, with certain regulations in this area applicable to the type of company or entity in question (in cases in which said local legislation considers it a regulated entity in said area).

In this regard, in accordance with the Telefónica Group's internal regulations on payment control, the Company monitors the definition of minimum controls on payments to prevent the risk of **money laundering**. This includes both general controls at Group level and specific controls by jurisdiction and/or type of entity or activity.

In particular, in 2021, as part of its strategy of continuous improvement, Telefónica continued to analyse the need to strengthen the corresponding controls and launched a number of new controls with a view to their definitive implementation at Telefónica Group level.

2.12.5.2. Training

[GRI 205-2, 412-2](#)

A key element in promoting a culture of ethics within the Company, and ensuring compliance with our Responsible Business Principles, is training.

Responsible Business Principles and Human

Rights course: Training in the Responsible Business Principles and Human Rights is aimed at all Telefónica Group employees and is mandatory. It is specifically monitored by the Responsible Business Office. The training includes matters on anti-corruption and bribery in the specific section of the course entitled 'Ethical and Responsible Management'.

Along with the course described above, there are also other courses that complete the training on anti-corruption at Telefónica Group:

Foreign Corrupt Practices Act (FCPA) course held worldwide in online and in-person format, on the law against corrupt practices abroad. This training is aimed at certain areas of the Company that present a higher potential risk due to their greater exposure to officials and authorities. Since 2017, the year it was launched, this course has been progressively implemented in the Telefónica Group on a global scale. So far, in addition to Telefónica S.A. and other global units, it has been taught as part of operations and businesses in Spain, Brazil, Mexico and Telxius (2017); Uruguay, Argentina, Nicaragua, Panama, Costa Rica, El Salvador, Guatemala, Colombia, Peru, Chile and Ecuador (2018) Venezuela and the United Kingdom (2019).

Other **local courses** on anti-corruption and crime prevention. In addition to the global anti-corruption training mentioned above, other specific training courses (including aspects relating to criminal prevention) are given in most of the countries in which the Telefónica Group operates. In some cases, this training is in-person and/or targeted at certain groups of employees whose activity may present a higher potential risk. Here, we highlight the training in criminal liability in Peru, Argentina, Chile, Ecuador and Spain.

Training is also reinforced by **internal communication, awareness and sensitisation campaigns**, addressing different issues such as conflicts of interest, gifts and invitations, responsible purchasing, environment, privacy, customer promise, etc.

There are also a number of global initiatives aimed at raising employee awareness, including the following:

- a. **Compliance Day**, an awareness day designed to bring the compliance function closer to the business and raise awareness among employees about the main issues addressed in the area.
- b. The **first compliance micro-story competition**, involving employees from Telefónica S.A., Telefónica España, Telefónica Argentina, Telefónica Chile, Telefónica Colombia, Telefónica del Perú, Telefónica Tech, Telefónica Uruguay and Telefónica Ecuador.
- c. The **'Five Stars' Recognition Programme**, an awareness-raising initiative developed to promote and recognise behaviour that stands out for its commitment to Integrity, Privacy and Security.

2.12.5.3. Complaint and remedy mechanisms: Channel for queries and complaints

GRI 103, 102-17, 205-3, 403-2, 406-1

> Complaints

At Telefónica, we have a **Whistleblowing Channel available to employees and stakeholders** (suppliers, shareholders, customers, investors and society in general), where they can make anonymous or personal complaints to report any alleged irregularity or act contrary to the law or internal regulations.

This channel has been available since the end of 2020 via a form on our website. It provides access for all our stakeholders, ensuring compliance with the **European Directive on the protection of persons reporting breaches of EU law** and also with the updated version of the Good Governance Code for listed companies.

When processing complaints, the **principles of data confidentiality**, i.e. respect, substantiation and completeness, apply. In cases where a significant or relevant irregularity is identified, the Audit and Control Committee, which reports to the Board of Directors, is informed.

The complaint may fall into the following categories:

Labour dispute

Labour conditions

Information security/privacy

Acts contrary to the integrity of the company

Asset fraud

Favourable treatment

Financial reporting

Regulatory/contractual/legal non-compliance

The above categories also include any irregularities relating to accounting matters, auditing matters and/or internal control over financial reporting in compliance with section 301 of the US Sarbanes-Oxley Act and other requirements in this regard.

After sending the complaint, the system will provide a username and password that will allow the status of the complaint to be consulted at any time, using the **anonymous communication channel**. New information can then be added and the auditor responsible for the analysis can be contacted.

In accordance with our zero tolerance policy on corruption, bribery and discrimination, Telefónica has **specific controls in place to detect and remedy possible cases**. This takes the form of disciplinary action and/or termination of contract.

> Queries

We also have a Queries Channel through which all our stakeholders can make anonymous or personal queries, communications or reports, requests or complaints on any aspect related to the Responsible Business Principles.

2.12.5.4. Political neutrality

Telefónica is politically neutral. **Under no circumstances do we take a direct or indirect position for or against** any political party and, therefore, we do not make donations to any of them. This does not prevent us from making our views known on matters that may affect the management and sustainability of the Company.

We are registered as a lobbyist in the voluntary transparency register of the European Union and in the register of interest groups of the CNMC (Spain's National Commission on Markets and Competition).

Our total expenses in relation to contributions to sectoral organisations are widely distributed because: (a) Telefónica is present in many countries and each country has its own local sectoral organisations; and (b) Telefónica provides many types of services affected by different business sectors (fixed and mobile connections, television and digital services).

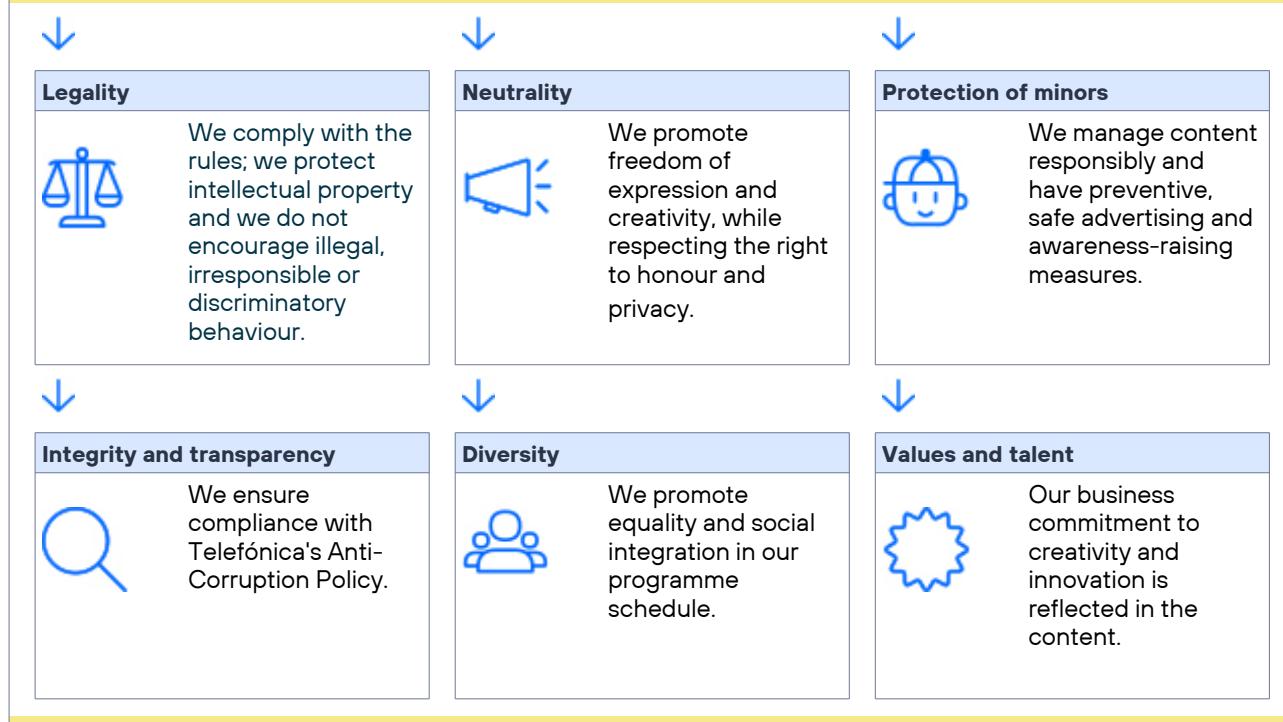
2.12.5.5. Responsible communication

Following our Responsible Business Principles and as a technology, information and communication company, we promote freedom of expression, pluralism and diversity and we assume a commitment to truthful information, education and inclusion.

As a company that provides not only communication, but also entertainment, cultural, sporting, advertising and other content that can have an impact and influence on society, we assume our responsibility to promote responsible, ethical and quality communication through our **Responsible Communication Policy**. This policy sets out general guidelines for when we communicate with our customers; when we communicate with other stakeholders; when we use our social media; when we generate and disseminate content; when we generate our own advertising; and when we broadcast third-party advertising.

Movistar+ Responsible Communications Code

We are a television platform with ethical editorial criteria for all our productions, whether own, purchased or outsourced. We promote these principles:



We have pre-broadcast controls, a Content or Production Officer and anti-piracy mechanisms in place. All our activities are based on Telefónica's Responsible Business Principles and our Responsible Communications Regulation.

We also have a **specific Responsible Communication Code for Movistar+**, approved by the Executive Committee of Telefónica España with the following lines of action:

Publication in different public media for consultation by any user.

Implementation. It has been shared with all Movistar+ stakeholders to ensure that it is accepted and respected on a daily basis by employees, suppliers and external collaborators, analysts, customers and society in general.

Possible complaints/enquiries are channelled through the Responsible Business Enquiry Channel.

2.12.5.6. Internal control

GRI 102-17, 205-1

The Company's internal control is based on its internal audits and risk management systems. It is regulated in the Telefónica Group's Internal Audit Charter, which states that Internal Audit is the area in Telefónica responsible for confirming, through timely evidence, the proper functioning of the internal control and risk management structures and, where appropriate, detecting possible inefficiencies or non-compliance with the control system established by the Group through its processes.

The main areas of action covered by the Internal Audit Unit include **coordinating the** Telefónica Group's **Regulatory Framework** by supervising the process for defining internal regulations. In turn, the Regulatory Framework promotes **actions that favour the updating and communication of said standards**. We also detect the needs and opportunities for improvement, modification or updating of existing internal regulations, proposing lines of action to those responsible. And we provide support and advice to the internal standards manager in relation to the drafting and implementation of the standard.

No. of material legal proceedings in progress in relation to anti-competitive violations

	O2 UK (mobile operations)	Virgin Media UK (fixed operation)
No. of material legal proceedings in progress in relation to anti-competitive violations	0	0
Material penalties paid for anti-competitive practices	0	0

> Training

During 2021, we continued our campaigns for employee training in the Code of Ethics (our Principles) and anti-corruption. All the courses returned high completion rates:

Course on Responsible Business Principles and Human Rights. Completed by 88,815 employees since its launch in 2018, representing 85% of the workforce. A total of 168,914 hours of this course have been taught since it was launched⁽²⁴⁾. During the reporting period, training was given to 16,382 employees, which accounts for 15% of the average workforce during the period⁽²⁵⁾. We had a total of 24,945 training hours in 2021.

Other courses on anti-corruption. During 2021, online training continued in this area of the Foreign Corrupt Practices Act (FCPA) and reinforcement sessions were given to management and pre-management staff at Telefónica, S.A., Telefónica España and Telefónica Tech. As for other local training

2.12.6. Progress in 2021

GRI 205-2

In 2021, we updated our Responsible Business Principles to ensure that our Code of Ethics continues to respond with the utmost rigour to the **new demands of the market and society**.

> Compliance

In 2021, Telefónica S.A. obtained the UNE 19601 Certification for Criminal Compliance management systems.

In 2021, one (1) material legal proceedings have been identified in progress for violation of competition law and no (0) fines have been paid for ongoing anti-competitive practices⁽²³⁾ in violation of said law.

The details of VMED O2 UK's material legal proceedings and penalties from June to December 2021 are as follows:

courses, operators in Spain and Mexico launched new ones on crime prevention.

Since 2017, 89,296 employees have received training in anti-corruption, representing 86% of the workforce at 31 December 2021. During 2021, training was given to 36,827 employees, which accounts for 34% of the average workforce during the period⁽²³⁾.

All members of the Board of Directors (15) have received training in anti-corruption, with the latest addition to the Board (100%) completing the training in 2021.

²³ Taking into account issues whose materiality complies with the reporting rules for CCAA (greater than €40 billion and rated as probable, or €100 billion with the risk rated as possible).

²⁴ Since its launch in 2018. Data takes into account the number of employees at 31 December 2021 (update of the calculation methodology compared to 2020 to improve data quality).

²⁵ Data takes into account the average workforce during 2021 (update of the calculation methodology compared to 2020 to improve data quality).

Training in Responsible Business and Human Rights through the Principles course*

Number of employees trained in Responsible Business and Human Rights through the Principles course	88,815
Percentage of employees trained in Responsible Business and Human Rights through the Principles course	85%
Hours of training in Responsible Business and Human Rights through the Principles course	168,914

Anti-corruption training for employees

Number of employees trained in anti-corruption matters	89,296
Percentage of employees trained in anti-corruption matters	86 %

N.B.

⁽¹⁾Since its launch in 2018. Data takes into account the number of active employees at 31 December 2021 (update of the calculation methodology compared to 2020 to improve data quality).

⁽²⁾Includes the Course on Responsible Business Principles (since 2018), Foreign Corrupt Practices Act (since 2017) and local courses on anti-corruption (since 2019). Data takes into account the number of employees at 31 December 2021.

Specific training has also been given in subjects other than integrity, which, for the purposes of the Telefónica Group's Compliance Programme, are relevant from the Compliance perspective; examples include **training in digital security, competition law and privacy**.

Mention must also be made of the launch of training in international sanctions programmes for certain areas and relevant Company management personnel.



MILESTONES

We updated the Responsible Business Principles.

We obtained the UNE 19601 certification for Telefónica, S.A. as part of activities to improve the Company's criminal compliance management systems.

We unified the Responsible Business and Whistleblowing Channels into a single channel: the Concern and Whistleblowing Channel.

Employees trained in anti-corruption in 2021 by professional category and region

Country	Executives	Middle Management	Other professionals	Total
Germany	84	226	2,479	2,789
Brazil	687	837	19,684	21,208
Spain	76	54	1,875	2,005
Latin America	305	867	8578	9750
United Kingdom	11	150	893	1,054
Others	0	6	15	21
Total	1,163	2,140	33,524	36,827

% of employees trained in anti-corruption in 2021 by professional category and region

Country	Executives	Middle Management	Other professionals	Total
Germany	37 %	32 %	37 %	37 %
Brazil	43 %	40 %	64 %	61 %
Spain	5 %	3 %	7 %	7 %
Latin America	39 %	26 %	30 %	29 %
United Kingdom	4 %	15 %	20 %	18 %
Others	0 %	13 %	3 %	3 %
Total	27 %	25 %	35 %	34 %

> Concern and Whistleblowing Channel

In addition, as part of our performance in 2021, we combined our former Responsible Business and Whistleblowing channels into a **single channel: the Concern and Whistleblowing Channel**. The aim is to make it a more accessible communication channel for employees and stakeholders.

> Complaints

A total of 955 complaints were received through the Whistleblowing Channel in 2021. As a result of the investigations, 389 complaints were substantiated during the year. The measures taken as a result of substantiated complaints included 152 terminations of employment contracts.

Complaints

Nature of substantiated complaints	2020	2021
	% of total substantiated complaints	% of total substantiated complaints
Failure to comply with regulations	14%	12%
Fraud	23%	23%
Workplace/sexual harassment and/or discrimination	5%	1%
Conflict of interest	5%	4%
Information security/privacy	2%	2%
Inappropriate behaviour and other workplace disputes	37%	38%
Others	14%	20%
Total	385	389

Main indicators on complaints

	2020	2021
Complaints received	882	955
Substantiated complaints	385	389
Termination of employment measures taken as a result of substantiated complaints	126	152
Confirmed cases of corruption	1	0
Disciplinary measures taken or terminations of contract carried out in connection with confirmed cases of corruption	3	0
Cases of discrimination detected	3	0
Disciplinary measures or terminations of contract taken in relation to confirmed discrimination cases	2	0

VMED O2 UK from June to December 2021

	O2 UK (mobile operation)	Virgin Media UK (fixed operation)
Confirmed cases of corruption	0	0

> Queries

In 2021, we received 207 queries, 196 of which were resolved as queries related to matters corresponding to this channel. The matters into which the queries have been divided are shown in the table below:

Queries

	2020	2021
Responsible Communication	1	5
Integrity	1	5
Environment	26	11
Supply chain	13	1
Privacy	15	9
Accessibility	7	3
Sustainable Innovation	2	2
Human Rights	3	2
Other Human Rights	0	0
Children's Rights	3	1
Freedom of expression	0	2
Diversity and talent management	0	2
Others (e.g. Responsibility towards the customer, infrastructures*)	155	153

*The 'Others' category currently includes queries related to 'Responsibility towards the customer' and 'Infrastructures', which we redirect internally for resolution by the appropriate channels.

> Internal control

Internal Audit has an annual audit schedule and issued 451 reports globally in 2021, divided into the following categories:

No. of reports

	2020	2021
Total or partial analysis of processes related to the expenditure and investment cycle	82	69
Financial or information system audits mainly to review internal control over financial processes	129	133
Reports aiming to verify correct compliance with other legal obligations	47	61
Other work	5	6
Fraud/corruption prevention, review of personal actions	27	17
Review of the revenue cycle	126	79
Monitoring of the main technological and legal compliance risks affecting service networks and information systems	87	86

> Political neutrality

Our expenditure on contributions to industry bodies and organisations, or individuals carrying out representative activities for Telefónica, amounted to €5.4 million in 2021, 87% of which was spent on industry bodies, including GSMA, SindiTelebrasil, ETNO and Bitkom, among others.

2.13. Fiscal transparency

GRI 207-1, 207-2, 207-3, 207-4

KEY POINTS

- Telefónica's tax contribution in 2021 amounted to €9,134 million globally: €23.3 per every €100 of turnover.
- Taxes paid during the year amounted to €3,206 million and taxes collected amounted to €5,927 million.
- Each year we publish the fiscal contribution per country: we highlight the €3,480 million contributed in Spain and the €2,175 million paid in Brazil.

2.13.1. Vision

Telefónica's taxation is based on our Responsible Business Principles, the guidelines that lead us in our daily activity and define how we conduct our business. In accordance with said guidelines, we are committed to honesty, respect for the law and transparency in the conduct of our fiscal affairs.

At Telefónica, we are committed to the OECD guidelines for multinational companies to ensure strict compliance with our **tax obligations**. We strive to be a best practice benchmark, ensuring that we contribute faithfully and loyally to the public finances of the countries and territories in which we operate. Accordingly, in line with our commitment to fiscal transparency and our contribution to the UN Sustainable Development Goals (SDGs), we publish our total economic and social tax contribution on our corporate website in Sustainability-Innovation/How-we-work/Sustainability-Strategy.

In this sense, the statements contained in this GRI 207 standard enable Telefónica to achieve some of the SDG targets it has set itself.

2.13.2. Governance

The **bodies responsible for the fiscal control framework at Telefónica** are as follows:

The **Group's Tax Department** reviews the tax strategy and reports annually to the Audit and Compliance Committee and, where appropriate, the Board of Directors on the Group's tax policies in order to facilitate supervision of the tax risk management system given to the Audit and Compliance Committee by the Spanish Corporations Act and in accordance with the provisions of the Code of Best Tax Practices.

The **Group Tax Department and the Regional Divisions** inform the Audit and Control Committee and, where appropriate, the Board of Directors of Telefónica about the tax policies and criteria followed by the Company, as well as the tax impacts of all relevant transactions submitted for approval in accordance with Section 529 Ter of the Spanish Corporations Act.

They also report on the status and development of tax risks to the Group's Risk function managers (Internal Audit) and, ultimately, to the Audit and Control Committee.

They detect and report on mechanisms subject to notification under Council Directive (EU) 2018/822 of 25 May 2018 (DAC 6) and coordinate with the Group's internal audit function on the **review and analysis procedures** necessary to achieve the control objectives of the Fiscal Strategy and Fiscal Control Framework.

Those **responsible for the fiscal function** in each subsidiary put in place the necessary management procedures to ensure that the fiscal control function is performed in accordance with the defined principles and operating regulations.

> Assessment of compliance with the fiscal governance and control framework

The Internal Audit Department, the Group's Tax Department and the Regional Tax Departments perform the analyses and verifications they deem appropriate to verify the correct application of the aspects contained in the regulations, tax strategy and tax control policy, and to guarantee control targets set by the Group.

The Internal Audit Department carries out such checks on a regular basis and may request as much information as necessary from the various subsidiaries' tax managers.

In addition, as indicated in the Annual Corporate Governance Report, Telefónica annually validates compliance with the content and commitments contained in the Code of Good Practices and, therefore, that it is complying with its governance framework.

> Integration of the focus on taxes in the Telefónica Group

Telefónica will ensure that the departments involved in the tax function have the necessary means to guarantee compliance with tax obligations in all the countries in which it operates.

Those responsible for the tax function at each company participate in the analysis of all transactions that may have tax implications and for the aforesaid purpose:

- have the necessary financial, human and material resources;
- can and should, where necessary, establish permanent computer links with the information systems of Group companies;
- receive maximum support and assistance from the Group companies, and;
- may require the participation and collaboration of such companies' employees.

For more information in this regard, Telefónica develops the fundamental principles of the fiscal control function within the Fiscal Control Policy (available on the corporate website in Sustainability-Innovation / How-we-work / Sustainability-Strategy).

2.13.3. Policies

The **Fiscal Control Policy** has the following objectives:

- correct fulfilment of tax obligations in due time and form;
- effectiveness and efficiency of operations from a tax viewpoint;
- position-taking or tax strategy duly supported and documented;
- reliability of tax information;
- transparency vis-à-vis third parties, especially the tax authorities, and;
- tax risk management.

2.13.4. Risks and opportunities

As mentioned on the corporate website, in Commitment/How we work, we manage tax risks to prevent and reduce tax litigation to the extent necessary to defend tax positions legitimately taken by Telefónica.

Accordingly, we have a **Risk Management Model** in place based on COSO (Committee of Sponsoring Organizations of the Treadway Commission), which enables the identification, assessment and management of the different risks.

Under this Model, we have defined **four risk categories** **business; operational; financial and legal**, and finally; **compliance**. Accordingly, the latter category includes tax risks.

Typology of fiscal risks and associated controls

In relation to their origin, risks of a fiscal nature are classified as follows:

Compliance risk: relating to the fulfilment of obligations in taxation (filing of returns, information requirements, etc.)

Interpretative risk: the possibility of interpreting tax laws differently from the Administration;

Regulatory risk: associated with legislative activity and regulatory volatility and complexity;

Reputational risk related to the current context of demands and public scrutiny in terms of transparency and perception of fair compliance with the companies' tax obligations by the different stakeholders.

Although risk identification is a continuous process and requires the involvement of the entire organisation, in the case of tax risks the Corporate Tax Department promotes and coordinates their identification and regular updating.

The policy of control, evaluation and management of fiscal risks is developed in the Fiscal Control Policy available on the corporate website, section Sustainability-Innovation/How-we-work/Sustainability-Strategy.

> Reporting obligations

On a quarterly basis, those responsible for the tax control function at each of the Group's companies inform the Tax Department—through the Regional Tax Departments—of the main conclusions of the process of identifying and assessing tax risks, including those related to:

Litigation in court/arbitration;

Litigation in administrative proceedings prior to judicial proceedings;

Transactions with implicit risk that may be examined by the tax authorities.

They also report on external tax audits and tax administration inspection processes.

For its part, the Tax Department reports the situation and evolution of tax risks to the heads of the Group's Risk Management function (Internal Audit) (without prejudice to the specific identification of compliance risks to the heads of the Compliance function) and, ultimately, to the Audit and Control Committee.

Furthermore, as a consequence of the entry into force of DAC 6, we have developed a procedure for detecting and reporting notifiable mechanisms.

2.13.5. Strategy and commitments

Pursuant to Section 529 Ter of the Spanish Corporations Act, on 14 December 2016 the Board of Directors of Telefónica approved the Group's tax strategy as published on our corporate website.

> Regulatory compliance

At Telefónica, we are committed to complying with all national and international legislation, regulations and tax obligations, respecting both their letter and their spirit. In fact, we devote the necessary resources and take the appropriate measures to make a reasonable interpretation of the rules, taking into account the legislator's intention in accordance with the interpretative criteria established by the competent tax authorities and the legislative background. We also adopt the necessary control mechanisms to ensure compliance with these regulations as part of good business management.

Relationship between taxation, sustainable development and business

At Telefónica, we are committed to all tax positions being taken up for commercial and business reasons, paying taxes according to their true legal nature and economic substance and avoiding abusive tax planning schemes or practices. In this respect, the tax component of any transaction cannot be justified separate from the commercial and business reasons for the transaction in question.

Telefónica also applies the arm's length principle in its transactions with related entities, aligning taxation in each country and territory according to its business there and the generation of value, in accordance with local tax legislation and the international taxation standards established by the OECD.

> Stakeholder engagement and management of tax concerns

Relationship with tax authorities

At Telefónica, we are committed to fostering a cooperative relationship with the tax authorities inspired by the principles of collaboration, trust, good faith, loyalty, professionalism, mutual respect and dialogue.

Since 2010 and in order to apply the highest standards of tax transparency, Telefónica, S.A. has adhered—by resolution of the Board of Directors—to the Code of Good Tax Practices drawn up by Foro de Grandes Empresas (Forum for Large Enterprises) in conjunction with the Spanish Tax Administration.

And, based on the principles of transparency and mutual trust, we have voluntarily filed Transparency Reports with the Spanish tax authorities since the 2016 financial year, with the prior authorisation of the Audit and Control Committee, as part of the functions delegated by the Board of Directors. The corporate website provides more information on the subject in the section Sustainability-innovation / How-we-work / Sustainability-Strategy.

Our approach to matters relating to the Spanish Tax Administration also applies internationally. In this regard, Telefónica participates in various international fora to promote and develop the OECD's good practice recommendations.

We also participate in the cooperative compliance programme in the UK.

Contribution to legislative initiatives in the tax area

Telefónica actively participates in the Foro de Grandes Empresas. This allows us to intervene in tax legislation initiatives, highlight current problems that may arise in the application of the tax system, and propose new tax measures to increase legal certainty.

We contribute to the committees of telecommunications industry organisations such as ETNO (European Telecommunications Network Operators' Association) and GSMA.

We are active collaborators in various industries and economic forums, such as DigitalES (Spanish Association for Digitalisation) and Adigital (Spanish Association of the Digital Economy).

The Telefónica Group is also actively involved in tax policy through the respective committees of the CEOE (Spanish

Confederation of Business Organisations) and the DET3 (Digital Economy Taxation Think Tank).

Stakeholder dialogue

Telefónica's stakeholder engagement strategy is based on **increasing transparency and effective dialogue to build relationships of trust** in the countries in which we operate.

We maintain a constructive dialogue and collaborate with various key interest groups, such as non-governmental organizations, like Intermon Oxfam, the Commitment and Transparency Foundation or the Tax and Competitiveness Foundation; government agencies through the Forum of Large Companies that was created in 2009 as a cooperation body between the largest Spanish companies and the Tax Agency. Likewise, we collect from all the stakeholders their expectations and perceptions about fiscal transparency in the consultation that we carry out for our materiality analysis.



[Go to chapter 1.4. Materiality](#)

This relationship makes it possible to identify which aspects are considered most significant and which are the new trends in the field of sustainability. In this way, we set our targets, define the strategic plan and, in addition, assess our ability to meet society's expectations.

In fact, as a result of our progress, we have achieved very high scores for our tax transparency in indices such as the DJSI, MSCI, Sustainalytics and FTSE.

Reporting unethical behaviour

As described in section 2.8.5 of the Non-Financial Information Statement, Telefónica has public complaint and remedy mechanisms in place (i.e. the Responsible Business Channel and the Whistleblowing Channel) to report concerns about unethical or illegal behaviour, and the organisation's integrity in relation to taxation. For further information, please refer to said document.

2.13.6. Progress in 2021

GRI 103

> Contribution to the development of local economies and finances

In 2021, our Total Tax Contribution (TTC) amounted to €9,134 million (€3,206 million in taxes incurred and €5,927 million in taxes collected), accounting for 33% of our distributed value ((value distributed as input and output taxes levied on the total value distributed, the latter being the sum of the following items: shareholder value - profit after tax, wages and salaries net of taxes levied, net interest and input and output taxes levied)).

Total operating subsidies received by Telefónica in 2021 amounted to €16 million (17 million euros in 2020), which

includes the receipt of capital grants and subsidies as other income.

For every €100 of turnover, we pay €23 in taxes (€8 incurred and €15 collected).

It is important to note that our economic and social contribution is quantifiable not only through corporate tax revenues, but also through other specific contributions in the various countries in which we operate. These include fees (for use of the public domain and for financing the radio and television corporation, among others), local taxes and social security payments, as well as other similar contributions in other countries.

In addition to these direct taxes, we generate revenue for the public treasury as a result of our activity and on behalf of other taxpayers, other amounts that must be taken into account in the total tax contribution made by the Company, such as indirect taxes, withholding taxes on employees and other deductions



[Go to chapter 2.10. Contribution and impact on communities](#)

> Contribution in countries

The following is a breakdown of the jurisdictions in which Telefónica Group carries on its main business as a telecommunications services provider. Other jurisdictions where the Group is present, and in which its activities are not the Group's core business, are included under "Other". All amounts are given in euros and refer to the financial year 2020.

The main companies that make up Telefónica Group, together with their main activity, can be consulted in the 2021 Consolidated Financial Statements.



[Go to Appendix I: Scope of consolidation](#)

For reconciliation purposes with the figures reported in the Consolidated Financial Statements, consolidation adjustments and eliminations of inter-company transactions between Group companies in different countries are also included under "Other".

However, there are differences with the Group's Consolidated Financial Statements, which are explained below:

The Annual Accounts only include information on sales to third parties, whereas the CbCR also includes intra-group sales.

In relation to profit or loss before tax, there is an adjustment for the accrual of coupons corresponding to the subordinated perpetual debentures in the Netherlands, and to a lesser extent in Colombia.

The differences in taxes paid are due to the Annual Accounts including not only corporate tax (as in the case of the CbCR), but also telecommunication charges, local taxes, other charges, licence fees and social security, etc.

2020 country-by-country report

Tax jurisdiction	Third-party income	Related-party revenues	Total income	Profit or loss before tax (1)	Tax on profit paid (2)	Profit tax (3)	No. of employees (4)	Tangible assets
Germany	8,183	68	8,250	318	52	-175	7,980	4,073
Argentina	1,911	73	1,983	-894	57	-80	13,878	1,097
Brazil	7,964	55	8,019	1,027	37	207	34,484	5,375
Chile	1,648	5	1,653	42	18	17	4,186	1,377
Colombia	1,313	19	1,332	38	49	8	6,329	1,025
Costa Rica	240	3	242	78	8	17	209	0
Ecuador	409	5	415	-22	39	4	1,029	223
El Salvador	122	4	126	-40	0	-10	187	85
Spain	14,644	2,384	17,028	828	75	237	28,412	9,171
Guatemala	5	5	10	1	0	1	11	12
Mexico	1,156	102	1,258	-707	42	-1	1,852	297
Panama	5	7	12	-5	0	2	49	8
Peru	1,805	44	1,848	-180	14	-10	5,285	1,355
UK	6,819	281	7,100	1,438	183	263	6,509	2
Uruguay	235	142	377	94	14	11	626	304
Venezuela	227	1	228	7	1	8	1,754	40
Others	398	-1,094	-695	223	38	40	407	-675
Total	47,083	2,104	49,187	2,248	626	542	113,187	23,769

Note:

(1)(3) Contribution to consolidated result before tax and profit tax, adjusted for the allocation to the year of coupons relating to subordinated perpetual bonds. The consolidated financial statements of the Telefónica Group are drawn up in accordance with the International Financial Reporting Standards (IFRS) as adopted by the European Union. The local accounting regulations applicable in each of the countries in which the Group is present may differ from the standards set by the IFRS.

The table above groups together all companies of the Group according to the country of their registered office. This grouping does not coincide with the distribution by segment of the Telefónica Group. The results by country include, as appropriate, the effect of the allocation of the purchase price to the acquired assets and the liabilities assumed. The results by country exclude income generated by dividends of Group subsidiaries, as well as the change in the provision for write-downs of investments in Group companies, which are eliminated in the consolidation process. The withholdings paid to the various administrations have been allocated to the jurisdiction by which they are ultimately paid.

(2) Excluding refunds received from different administrations and corresponding to overpayments in previous years, specifically in 2020, tax rebates in Spain for 2018 and 2019 amounting to 89 million, plus 15 million in Peru and a further 13 million in Chile have been excluded.

(4) The number of employees refers to the average number of employees, distributed by tax jurisdiction.

> Reasons for the difference between the effective rate and the statutory rate

The group closely monitors the differences between the nominal tax expense and the effective tax expense on a monthly basis.

At year-end 2020, the differences relate to the permanent differences inherent in the preparation of corporation tax. In other words, they comprise all the expenses or income recorded on the income statement that will not be deductible or will not be taxed from a fiscal point of view and will therefore never be reversed in subsequent periods. The most relevant are the deductibility of the amortisation of goodwill in Spain and, in Brazil, the deductibility of the distribution of Juros on capital. There is also a significant difference owing to the non-activation of tax credits in countries with negative results.

In addition, during the 2020 financial year, extraordinary accounting adjustments were made to the corporate income tax expense account, representing a significant part of the differences between the statutory and effective rates. In this regard, deferred tax assets have been recorded for deductible temporary differences on Telxius assets and, in Germany, for a significant amount of tax credits for tax losses from previous years.

The verification of the contents in terms of taxation has been completed as part of the external verification process that has been carried out by PricewaterhouseCoopers Auditores, S.L.

Tax contribution by country

Millions of euros	Contribution by country to consolidated Group result before tax (1) 2021	Contribution by country to consolidated Group profit before tax (1) 2020	Total taxes paid 2021	Total taxes collected 2021	Total 2021
Germany	663	314	237	695	932
Argentina	-64	-894	104	402	505
Brazil	882	1,027	302	1,873	2,175
Central America	25	35	21	17	37
Chile	372	42	155	130	106
Colombia	-20	38	92	125	217
Ecuador	-11	-22	69	36	286
Spain	5,261	826	1,470	2,010	3,480
Mexico	-386	-707	104	85	189
Peru	-554	-180	70	138	209
United Kingdom	5,200	1,437	519	373	892
Uruguay	104	94	26	19	45
Venezuela	90	7	4	11	15
Others	195	231	34	12	46
TOTAL	11,757	2,248	3,206	5,927	9,134

The breakdown of the corporate income tax contribution is as follows:

Tax contribution by region

Millions of euros	2021		2020	
	Contribution by country to the profit before taxes of the consolidated Group⁽¹⁾	Tax on profits⁽²⁾	Contribution by country to the profit before taxes of the consolidated Group⁽¹⁾	Tax on profits⁽²⁾
Europe	11,124	244	2,577	310
Latin America	413	229	(595)	257
Central America (*)	25	13	35	8
Others	195	20	231	38
TOTAL	11,757	506	2,248	626

Notes:

1) Contribution to the consolidated pre-tax result, adjusted for the allocation to the year of coupons relating to subordinated perpetual bonds. The consolidated financial statements of the Telefónica Group are drawn up in accordance with the International Financial Reporting Standards (IFRS) as adopted by the European Union. The local accounting regulations applicable in each of the countries in which the Group is present may differ from the standards set by the IFRS.

The table above groups together all companies of the Group according to the country of their registered office. This grouping does not coincide with the distribution by segment of the Telefónica Group. The results by country include, as appropriate, the effect of the allocation of the purchase price to the acquired assets and the liabilities assumed. The results by country exclude income generated by dividends of Group subsidiaries, as well as the change in the provision for write-downs of investments in Group companies, which are eliminated in the consolidation process.

The contribution in 2021 from Germany, Spain and the United Kingdom is affected by the capital gains generated on the incorporation of VMED O2 UK and on the sale of the telecommunications towers division of Telxius (see Note 2 Notes to the Consolidated Financial Statements).

2) Rebates received from different administrations and corresponding to overpayments from previous years are excluded in 2021, specifically 30 million in Spain and 17 million in Peru and Chile.

For 2020, tax rebates in Spain for 2018 and 2019 amounting to 89 million, plus 15 million in Peru and a further 13 million in Chile have been excluded.

The withholdings paid to the various administrations have been allocated to the jurisdiction by which they are ultimately paid.

2.14. Clients

KEY POINTS

- We continued to launch measures and services that enable us to meet our customers' new needs resulting from COVID-19. This focus has led to our reputational scores increasing in all our markets.
- In 2021, our NPS score grew to 27%, up 4 points compared to 2020, reaffirming our customer-centric strategy.
- We implemented a new framework to evaluate customer satisfaction in Spain, which pursues excellence in our new products and services from the outset.

2.14.1. Vision

GRI 102-42, 103

In 2020, our mission to "**make our world more human by connecting people's lives**" became more relevant than ever before. Telefónica was aware of its responsibility to help alleviate the effects of the health, social and economic crisis triggered by COVID-19. In 2021, we continued to promote all measures to meet needs arising out of changes in people's lifestyles, both in their working and personal lives, always placing customers at the heart of our decisions and thereby making them our main priority.

During 2021, we continued to make progress in the measures we rolled out in 2020 as regards ethical and sustainability criteria involved in designing and developing our products and services.

Materiality

Our challenge has always been to meet our customers' expectations and build a relationship based on trust. Therefore, ensuring **responsible behaviour towards customers** is vitally important for us and our stakeholders: the materiality analysis highlights this as **one of the most important aspects**.

Over the course of this chapter, we explain how we addressed this challenge from different perspectives, in particular from the perspective of our customers' experience, which we measure through quality and reputation indicators, and from the perspective of our products and services, into which we incorporated the Responsible Design approach.

2.14.2. Governance

Our customers' experience, the quality plans designed to improve it and customer satisfaction measurements are strategic issues for Telefónica and are reported on regularly to the Executive Committee.

The Board of Directors also has a specific **Committee** devoted to **Sustainability and Quality**, which meets 11 times a year to monitor in detail the main initiatives in this respect at both local and global level.

2.14.3. Responsibility to customers: our approach and performance

GRI 103

At Telefónica, we aim to build a long-term relationship of trust with our customers, whether the general public, SMEs or large businesses. That is why our priority is always to act towards our customers with **integrity, transparency and simplicity** in all areas of the Company.

Values of our Customer Promise

Integrity	Transparency	Simplicity
We fulfil our promises and acknowledge our mistakes	We proactively provide all relevant information	We offer products and services that are easy to use and we are clear and direct in our communications

The yardstick, for measuring how successful our management is in these areas, goes beyond fulfilling regulatory demands. We want to empathise with our customers and build a long-lasting relationship.

In 2021, many companies continued to promote home-working policies due to the **COVID-19 crisis**, **demonstrating the great importance of our services to ensure business continuity for those companies which continued to operate remotely**. Among the general public, having an Internet connection was essential for continuing to work, shop, study or communicate with family and friends.

In addition to the commercial initiatives put in place in 2020 to adapt to our customers' needs, we launched other measures in 2021:

We increased accessibility for our customers to further facilitate their relationship with us, by adding a WhatsApp-based customer service channel and enabling customers to handle certain formalities by themselves via online channels (debt payments, arranging in-store appointments, etc.).

We introduced the **Customer Health Score (CHS)**, which pursues excellence in the products and services we provide our customers, from the initial product development stage right through to maintenance once they are on the market. This is a prerequisite for launches of new products and services.

We enabled initiatives that reinforce **transparency towards customers**, such as clearer and simpler bills, alerts in the event of increased consumption and management of promotions prior to expiry. We accompanied these measures with a new policy of upholding any customer complaints about charges which could be due to involuntary use (such as roaming or additional charges). We also redefined all debt payment processes, making them more transparent, customer-friendly, flexible and digital.

We demonstrated the **commitment** of our Company in crisis situations, in this case to those affected by the volcanic eruption on the island of La Palma, by offering unlimited data to our customers who had been evacuated or affected by breakdowns, halting the issuing of bills and/or collection notices, and doing away with equipment return penalties for customers requesting cancellations.

> Customer experience: quality indicators

All Telefónica Group operators conduct monthly satisfaction surveys of our customers to learn how our services are perceived. In these surveys, we ask about the quality of the network, the commercial offering, the customer service we provide through various channels, bills, mobile top-ups and prices, among other things. One of the indicators we extract from these surveys is the **Net Promoter Score (NPS)**. This information shows us our customers' satisfaction levels with our products and services and whether our customers recommend us.

We have been monitoring and reporting our NPS as a recommendation indicator for our products and services since 2018 and we calculate the Group's global NPS based on the results obtained from each of our operators.

In 2020, the overall calculation was performed based on the results obtained from our four main operators (Spain, Germany, UK and Brazil); in 2021, however, following the approval of the joint venture deal between Telefónica United Kingdom and Virgin Media which was closed on 1 June, the Group calculation was performed based on the results obtained from Spain, Germany, Brazil and Hispam.

The 2021-2020 comparison, including this country-based adjustment, is as follows:

NPS Telefónica Group⁽¹⁾

	2020	2021
	23	27

Note:

(1) Includes Spain, Germany, Brazil and Hispam (Argentina, Chile, Colombia, Ecuador, Mexico, Peru, Uruguay and Venezuela).

(2) 2020 data recalculated for comparability purposes.

We closed 2021 with a result of 27%, **up 4 points** on the previous year's result and thus beating our annual target thanks to the positive performance in Brazil and more significantly in Spain, while Germany ended 2021 showing signs of recovery.

The quality of our network consolidated its position as a key asset with regard to the trust and satisfaction of our customers, due both to the improvements made and the performance of our network during the pandemic.

However, the pandemic had a negative impact on customer service results.

Telefónica outperforms its competitors in every country.

When broken down by segment, the results for the year were still exceptional:

NPS Telefónica Group (by segment)⁽¹⁾

	2020	2021
B2C	17	19
B2B	42	55

Note:

(1) Only includes the three main operators (Spain, Germany and Brazil).

We improved by 2 points in the B2C segment

compared to the result for 2020, and by **13 points** in the **B2B segment**. This result was thanks in part to the exceptional measures which we took during the pandemic which enabled continued connectivity.

> Reputation

At Telefónica, reputation is key to ensure consistency with our long-term vision. Measuring reputation allows us to see how society (customers and non customers) perceives our overall performance and helps us to understand their expectations. To do this, we focus on four key features: admiration; esteem; confidence, and; good impression (the RepTrak Pulse® model). This model also enables us to identify drivers and define specific, practical reputational plans adapted to each country. This indicator has also been part of the variable remuneration of our employees since 2019.

In 2021, the **consolidated RepTrak Pulse® score** consisted of the results from Germany, Brazil and Spain, obtaining 67 points out of 100, **an improvement of almost 5 points on the previous year** (recalculated 2020 data excluding the UK: 62.3). This increase was essentially due to how positively society rated connectivity in the wake of the pandemic and how, in particular, Telefónica was able to serve customers and society. The pandemic brought home the essential role that the sector has played in addressing economic and social recovery.

Following the merger in June, Virgin Media O2 was born and began to establish its own reputation. An overall score of 62.8 (Aug-Dec 2021), based on the standard 7-driver RepTrak model, was underpinned by strength in more rational drivers such as Leadership and Products and Services, aided by the successful launch of the Company's first joint proposition, Volt and the completion of the Gig1 broadband across the entire network.

O2 scored a RepTrack Pulse of 74 for the period previous to the merger (Jan-May). This result reflected continued strong performance in the key area of Customer Responsibility and Governance and Citizenship.

> Complaints

All our operators have teams that focus exclusively on bringing down the number of dissatisfied customers and reducing complaints, regardless of the channel through which they reach us. To do so, we implement measures such as those outlined below.

We provide channels through which our customers can exercise their right to complain at any time, 24 hours a day, 365 days a year. The main channels are our call centres, online channels, social media, stores and postal mail.

We report the evolution of the number of complaints and resolution times to the competent authority, as well as other information required about the quality of the service we provide, in accordance with the guidelines and parameters set by the regulatory body in each country.

The following table provides the details of our main operations, the corresponding regulatory bodies and the websites where you can find the information we provide:

Regulatory bodies of the main countries in which we operate

Spain	Secretaría de Estado para el Avance Digital/CNMT	https://www.telefonica.es/es/acerca_de_telefonica/calidad/calidad-servicio
United Kingdom	Office of Communications (Ofcom)/ Financial Conduct Authority (FCA)	https://www.o2.co.uk/how-to-complain/complaints-figures
Germany	Bundesnetzagentur	https://www.bundesnetzagentur.de/SharedDocs/Downloads/EN/BNetzA/PressSection/ReportsPublications/2020/AnnualReport19.pdf?blob=publicationFile&v=1 (pag. 64-75)
Brazil	Agencia Nacional de Telecomunicaciones (Anatel)	https://apps.anatel.gov.br/AnatelConsumidor/DesempenhoPrestadorasHome.aspx
Argentina	Ente Nacional de Comunicaciones (ENACOM)	http://datosabiertos.enacom.gob.ar/dashboards/20003/denuncias-y-reclamos/
Chile	Servicio nacional del consumidor (SERNAC) y Subsecretaría de telecomunicaciones (SUBTEL)	https://www.sernac.cl/portal/619/w3-propertyvalue-20977.html https://www.subtel.gob.cl/estudios/indicadores-de-calidad-de-red-movil/
Colombia	Comisión de Regulación en Telecomunicaciones (CRC)	https://www.movistar.co/web/portal-col/atencion-cliente/proteccion-al-usuario/indicadores-de-gestion/noviembre-2020
Peru	Ministerio de Transportes, Comunicaciones, Vivienda y Construcción/Organismo Supervisor de Inversión Privada (OSIPTEL)	http://www.movistar.com.pe/indicadores-de-calidad
Ecuador	Agencia de Regulación y Control de las comunicaciones (ARCOTEL)	https://www.movistar.com.ec/documents/17502/201455/2020_Q2_SMA-O-QoS-5_Par%C3%A1metros_de_Calidad_General_Abr_-Jun_2020.pdf
Venezuela	Comisión Nacional de Telecomunicaciones (CONATEL)	http://sais.conatel.gob.ve/otrs/
Mexico	Instituto Federal de Telecomunicaciones (IFT)	http://www.ift.org.mx/usuarios-y-audiencias/informes-estadisticos-soy-usuario http://www.ift.org.mx/sites/default/files/contenidogeneral/usuarios-y-audiencias/soyusuario3acc_0.pdf

We have also introduced a number of programmes to **improve and encourage active listening to customers**. They consist of analysing the behaviour patterns of customers who complain more than once and analysing the root cause of complaints, seeking at all times to improve our processes so as to offer the best service to our customers.

In Spain, during 2021, we worked on **updating our system for collecting customer experience data in the General Public segment**. This means gaining a better understanding of customer opinions, which is the first step towards being able to improve their experience. The initiative is part of a project to transform our relationship with our B2C customers for the better (Venecia). Although our system for measuring customer satisfaction was sound, the new programme (in which we are supported by a leading supplier from the Voice-of-the-Customer feedback sector) offers the following advantages:

Distribution to the entire organisation of Voice-of-the-Customer (VoC) data, from senior management to those who interact with customers in the various channels and processes, not only following a numeric/quantitative evaluation approach but also having at our disposal all the customers' comments which help to change and improve, as well as making them available to the suppliers participating in providing the services.

Integration of all the information into a **single platform** with different **capacities for quantitative analysis** through multiple variables that make it possible to take a deeper look at the root causes.

Automatic analysis of customer sub-categories to gain a better understanding of our strong points, as well as opportunities for improvement, so as to guide our projects based on this information.

Having feedback from O2 customers at our disposal, alongside that from Movistar, as a benchmark for improvement given that O2 received the highest ratings from its customers in the entire market.

In the same spirit of cultural change, we introduced a new scoring system to pursue excellence in the products and services we provide customers, from the initial product development stage right through to maintenance once they are on the market. This is what we call the **Customer Health Score (CHS)**, as it aims for services to be 'healthy' for our customers. It interlinks with

Responsible Design of products and services, aiming to develop services with a customer-oriented focus to achieve the least friction possible throughout their life cycle. We are setting ourselves the target, included in the ESG plan, that all our products and services achieve a Customer Health Score of over 90%. Our main B2C products have already been assessed and included in our Customer Health Score table, and initiatives have been rolled out for those whose score fell below 90%.



You can find more information about Responsible Design in chapter 2.9. Responsibility in our products and services

Our **DNA Vivo programme**, in Brazil, focusing on pursuing excellence in customer relations, was recognised in the 2021 Customer Centricity World Series Awards, given by the prestigious AR CET Global Institute, as one of the three best customer experience strategies. The programme has evolved as follows:

DNA Thermometer: over 2,7 million customer responses collected and more than 2,700 employees at all levels of the organisation accessing them. We are able to extract new insights in a swift and easy manner through the DNA Thermometer, as well as through video surveys and a powerful, high-precision Text Analytics tool.

DNA Solve: programme designed to close the loop. Over 700,000 detractors were contacted, with a success rate of 85% as regards change in perception.

Culture: more than 4,000 employees received training in benchmarks and methodologies in order to implement over 360 customer-experience-oriented projects autonomously.

Both programmes (Spain and Brazil) use the same tool, Medallia, which has also been introduced in our operations in Germany and the UK. This means we have the same, overall, customer-experience measurement tool for our main markets, having positive repercussions on the sharing of best practices between our operations.

In Spain, the Service Quality report is published quarterly on the Telefónica website, as provided for in Order IET/1090/2014 of 16 June, regulating conditions relating to service quality in the provision of electronic communications according to the guidelines published by Spain's Secretariat of State for Digital Advancement (SEAD).

Following our review of communications with customers, we strengthened systems that deal with complaints, even launching an automated system to identify the root cause of claims in real time, based on big data and AI techniques. This will enable us to roll out projects that reduce complaints more dynamically in the short term.

> Customer Defence Service

Telefónica's Customer Defence Service has been running since 2006, reflecting the commitment to quality the Company upholds with regard to its customers. This service is the second-instance mechanism within the Company for handling complaints. It seeks not only to resolve any incidents with the Company, but also to ensure customers are heard at the level of its operational areas by identifying any points that impair the relationship between them. As a result of listening proactively and analysing the cases related to the complaints, the service identifies opportunities for improvement in the processes and actions of the business.

In 2021, some of the issues brought to the Company's attention centred on incidents related to cancellation of services and new offers associated with devices, entailing both confusion about the offers and problems arising from withdrawal rights.

Customers can escalate their complaints to the Customer Defence Service, as a higher authority for handling complaints, in the event they have not received a satisfactory answer from the front-line customer service area. The solutions delivered by the service are based on the criteria of fairness and impartiality, and are binding on the Company. It is independent from any operational areas of the business, in order to fulfil its objective of being an independent service.

With the aim of prioritising digitalisation and environmental sustainability, over the last few years the service has been encouraging customers to file complaints online, and in March 2021 it eliminated the option of filing complaints by post. Furthermore, in line with the goal of becoming even more customer friendly, customer authentication options for filing online complaints were increased by adding the option of registering complaints using scanned ID documents (user name and password for "Mi Movistar" app, plus electronic ID card). However, the option of handing in paper-based complaint documentation at the Company's headquarters remains open to elderly people and those lacking the appropriate resources, etc., who are unable to file complaints online.

In 2021, the Customer Defence Service recorded the filing of over 3,200 complaints. Of the complaints received, 69% were accepted for processing and 90% were favourable, either partially or totally. The percentage of customers who rated the usefulness of this service positively was 77%, highlighting its independence level in 76% of the cases.



MILESTONES

We reinforced transparency and increased accessibility in our channels, fulfilling our goal of social inclusion.

Our global NPS increased to 27%, up 4 points compared to 2020, driven significantly by Spain and Brazil.

We introduced the Customer Health Score (CHS) in Spain, which pursues excellence in our products and services.

The Vivo customer experience programme received an award in the Customer Centricity World Series Awards 2021.

2.15. Privacy and security

KEY POINTS

- We protect our customers' data with high standards of privacy and security, monitored at the highest levels of the Company.
- We are transparent about how, why and when our customers' data is collected, used, stored and disposed of, as well as how we protect it with a high level of security.
- We empower our customers to have access to and control of their personal data.

2.15.1. Vision

GRI 103

Technology **improves people's quality of life and generates wealth**, provided that their privacy is respected and the highest level of security is guaranteed throughout the processing of their information and personal data.

We want **our customers to feel confident about using our products and services** and to be aware that we respect their rights at all times, offering them choices about the use of their personal information.

For this reason, we work on the **privacy and security** of our customers, to generate a relationship of trust with all those with whom we are linked, and we focus on the following pillars:

Individuals must be able to manage and **have control over their personal data**. In this way, access to their data and to additional information on risks and benefits associated with their management is made possible.

The **principle of transparency** is about making simple tools available to people that can substantiate this control over data and the appropriate technological development to generate maximum respect for privacy and information security.

Data must be secure and **the privacy of individuals must be preserved**. This is the basis of our business

and our primary consideration when designing our services and collaborating with third parties.

We apply **privacy and security from the design** and active responsibility for our products and services so that data protection and security requirements are incorporated from their initial conception.

Each pillar stands for policies and processes that not only ensure compliance with growing regulation, but also increase transparency in how we manage data privacy and security.

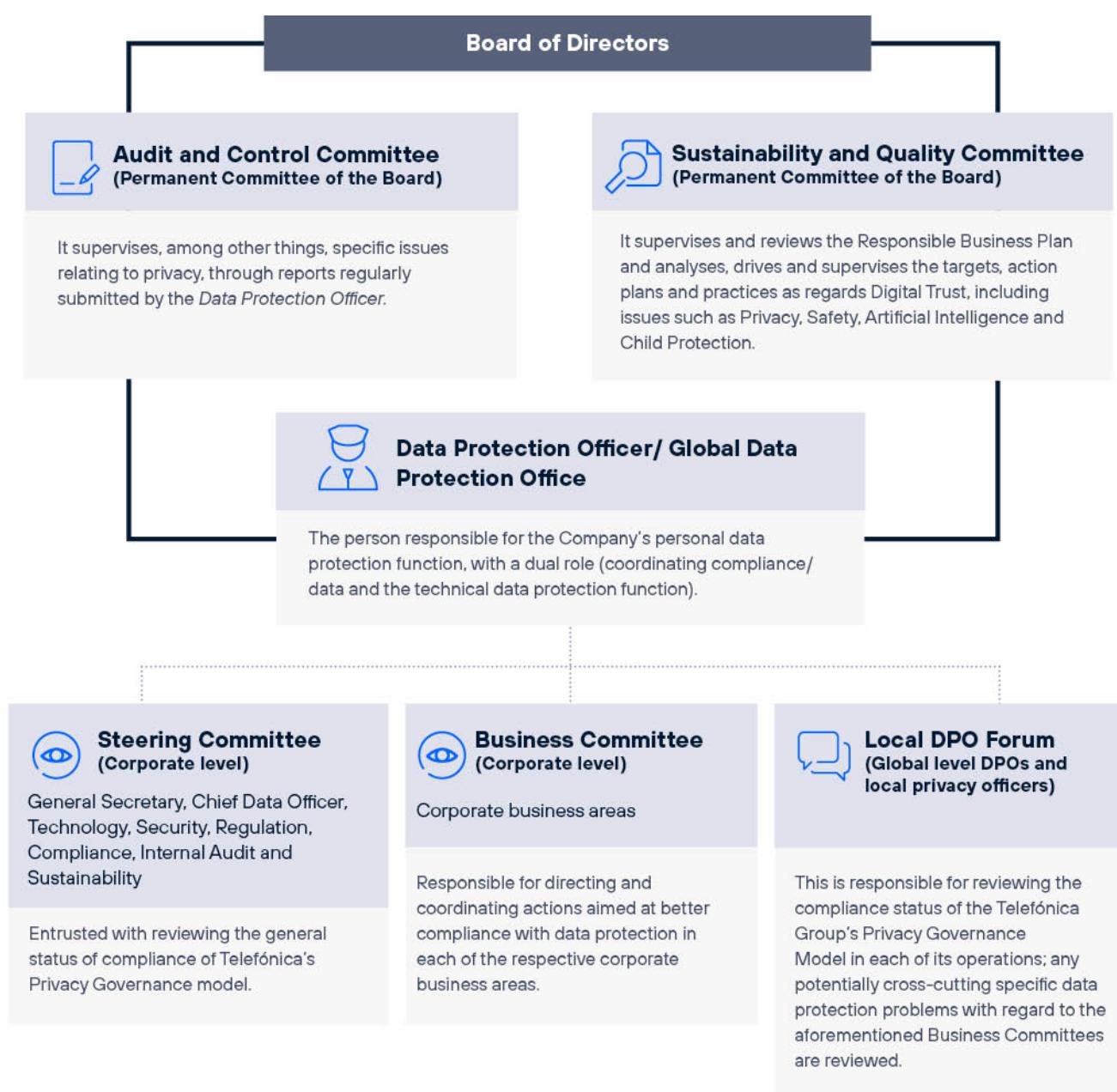
2.15.2. Privacy

GRI 103

Telefónica respects the fundamental rights and freedoms of individuals, including the fundamental right to the protection of personal data. The Principles of Responsible Business and the Group's code of ethics envisage the need to **preserve this fundamental right** and establish common guidelines of behaviour for all the companies that form part of the Company.

2.15.2.1. Governance

At Telefónica we have a governance model for the management of Personal Data Protection aimed at ensuring effective and efficient management of privacy and that the model is aligned with the Group's strategy.



The person responsible for the Group's personal data protection function is the global Data Protection Officer, who reports directly to the Board of Directors of Telefónica, S.A. through the Audit and Control Committee. To **ensure compliance** with this function, the different corporate areas meet twice yearly as part of the Governance Model Monitoring Committee, the Business Committee and through the Local Data Protection Officers.

In addition, the Sustainability and Quality Committee (a standing committee of the Board) is responsible for promoting and monitoring the implementation of Telefónica's Global Responsible Business Plan, which

includes specific targets in the area of privacy. The Board is informed monthly about the implementation of the Plan by the Department of Corporate Sustainability, which is run by the Office for Responsible Business and includes the heads of the global operational areas.

2.15.2.2. Policies

We drive and review different global and local policies, processes and procedures, as depicted in the chart below:

Privacy regulations



Global Privacy Policy

Corporate Rule

Approved by the Board of Directors of
Telefónica S.A.

Telefónica S.A.



Regulation of the Governance Model on Personal Data Protection

Corporate Rule

Approved by the DPO Office
Department at Telefónica S.A.

Telefónica S.A.



Regulations Governing Enquiries from the Competent Authorities

Corporate Rule

Approved by the Ethics and
Sustainability Department

Telefónica S.A.



It establishes obligatory rules of common behaviour for all the Company's entities, laying the foundations for an approved privacy culture based on the principles of legality, transparency, commitment to the rights of the data subjects, security and limitation of the retention period.

It establishes the strategic, organisational and operational, and management framework applicable to the different actions in the field of data protection.

It sets out the principles and minimum guidelines that must be referred to in the internal procedures of each of the Group's companies/Business Units/OB to comply with their duty to cooperate with the competent authorities as regards our customers' data.

In addition, we have so-called '**Operational Domains**', which are privacy procedures defined and implemented throughout the data lifecycle and which regulate, among other issues, the recording of processing, risk analysis and impact assessments, international transfers, personal data security breaches, third party management, internal audit plans, training and awareness, data subjects' rights and data retention and deletion.

2.15.2.3. Risks and opportunities

Rapid technological progress and regulatory dynamics in the field of data protection pose significant challenges in adapting and responding to the evolving changes in the field of privacy. This entails the need to **identify risks, assess and mitigate them** and also to leverage opportunities related to Telefónica's commitment to protecting the privacy of its stakeholders.

More information on this issue can be found in chapter 3.



[More Information on chapter 3. Risks](#)

2.15.2.4. Strategy and commitments

GRI 103

The privacy strategy is based on three pillars:

Protection: protect our customers' personal data through robust policies and processes.

Transparency: be transparent about how and why we collect, use, store and delete our customers' personal data.

Empowerment: Empower our customers through simple and secure tools so that they can control the use of their personal data.

Our main lines of action are:

Privacy by design.

Digital privacy

Transparency initiatives

Client empowerment

Consultation and complaint mechanisms

> Privacy by design

The principle of **Privacy by design** is one of the Telefónica Group's essential, strategic pillars and is defined in our compulsory internal regulations.

The concept of Privacy by design implies the obligation of the whole organisation to establish, in the design of products and services, procedures that mainly take into account two aspects. Firstly, the implementation of privacy protection measures from a legal and security point of view in the early stages of any project. And secondly, that all business processes and practices involved in each activity or processing that may affect personal data are covered.

We have our own Privacy by design guidelines to define the set of rules, standards and legal and security processes that must be taken into account to comply with our **Global Privacy Policy**. All of this is to ensure that the rights and freedoms of the individuals who hold the personal data are guaranteed as from the initial definition of any processing project or activity.

These practical guidelines stand as reference documents for the Group's professionals who are in charge of developing and implementing products and services, as well as for internal use cases that directly or indirectly involve the processing of personal data. Consequently, these may be likely to affect the right to privacy of individuals, whether they are customers, users, employees, etc.

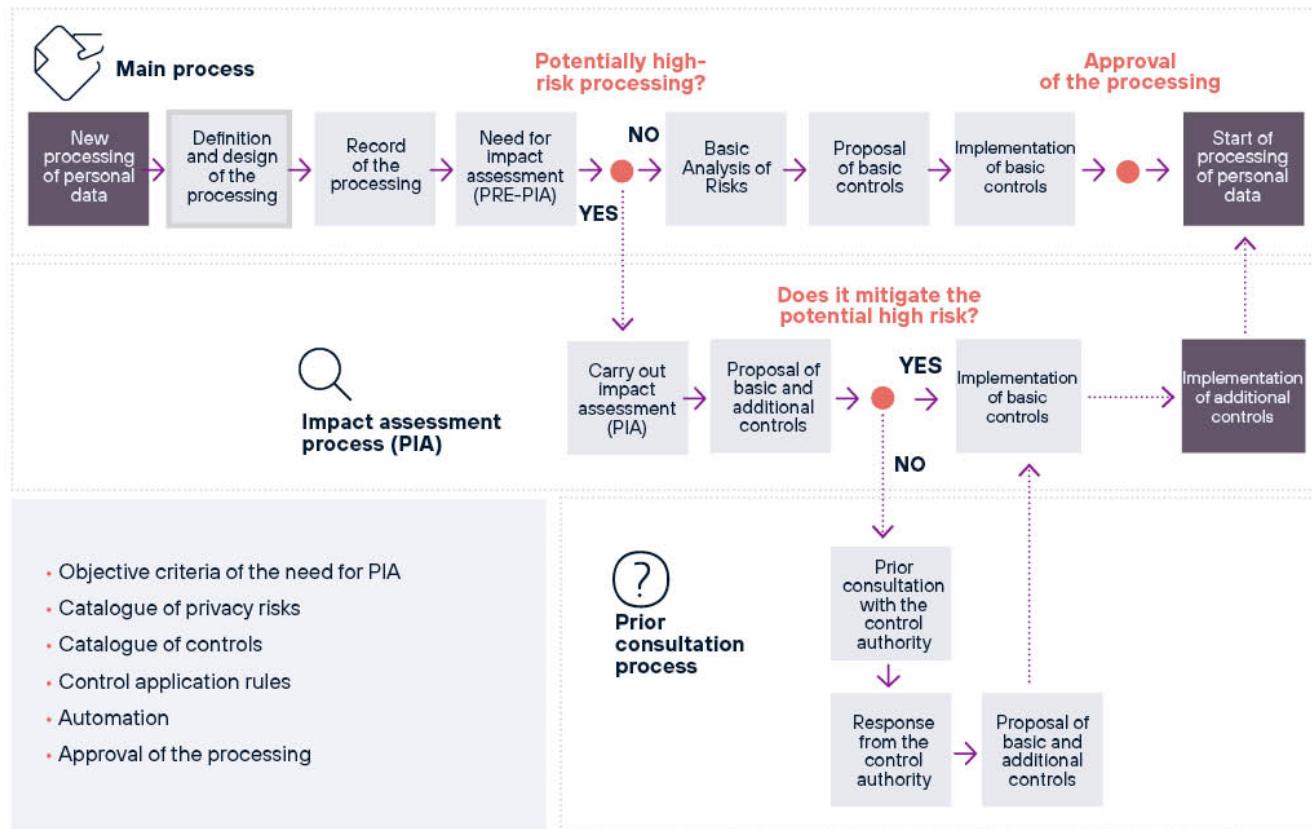
In addition, product managers are supported by the privacy and security specialists in the area of each company and/or business unit of the Group, in order to ensure that all necessary legal and security requirements regarding privacy are taken into account from the very moment of design,

We use a **risk management-oriented approach of proactive responsibility** (critical and continuous self-analysis in the fulfilment of the obligations required by the regulations). The aim is to establish strategies that incorporate privacy throughout the entire data life cycle in the processing operations of each product or service: Collection and obtainment, Processing, Exercise of rights and Retention and deletion.

When defining or developing any product or service, the practical application of Privacy by design involves aspects such as the lawfulness and definition of the legitimising grounds for the processing; the guarantee that the data is secure and that the most appropriate security measures are being applied according to the potential risks; their transparency in the privacy clauses and policies in relation to the data subject; the **minimisation of data** in that it must be strictly necessary for the purposes of the processing, the commitment to the data subjects' rights and the limitation of the period of retention, among others.

The Privacy by design process that was defined by the Telefónica Group's Global Data Protection Office includes at least the following activities:

Privacy by design process



More information on responsible design can be found in chapter 2.9. Responsibility in our products and services

> Digital Privacy Framework

We digitalise the Privacy process from design through the **Digital Privacy Framework**, implemented in our systems and platforms where data processing takes place, such as the 4th platform.

This defines the framework for the global legal and privacy strategy with respect to the General Data Protection Regulation (GDPR) and the ePrivacy regulation on data processing platform products and systems.

In it we adapt our privacy guidelines to a technological reality by standardising and conceptualising the functional and technical requirements of the dynamics of privacy systems and implementing them automatically and digitally in processing.

This digitalisation is implemented by design and naturally enables us to build a transparent ecosystem, making it possible to build a dynamic and automatic privacy process between the customer and the systems that carry out the processing, in compliance with the GDPR.

The Digital Privacy Framework will be operational in 2022 in the most demanding jurisdictions in terms of anonymisation requirements, as well as the implementation in systems of capabilities to digitally manage privacy.

> Transparency initiatives

At Telefónica we make privacy more human and understandable by **focusing our design principles on people** or human-centred design. In this regard we are committed to putting transparency into practice by including it as one of the principles of the Global Privacy Policy and developing different initiatives to implement this principle:

Global Privacy Centre

This is a public reference point for our global privacy and security policy and processes. Our stakeholders can find all the information they need easily and in a simple format by means of visual and graphic resources. Available at www.telefonica.com.

Operators' Privacy and Security Centres

The aim of these centres is for both our customers and any stakeholders to be able to obtain information, in a simple, digital and understandable way, on the processing of personal data performed by the operators and other relevant information on privacy and security matters. For example, channels and means for exercising their rights, the security and confidentiality measures adopted to process their data, the privacy terms and conditions applicable to our products and services, transparency reports, our Artificial Intelligence principles, as well as the **child security and protection** issues that apply in each case in digital environments. They are currently available on all operators' websites.

Telecommunications Transparency Report

We publish an annual report on the requests we receive from the competent authorities in the countries where we operate. This report includes information on the number of requests for: lawful interception, access to metadata associated with communications, blocking and restriction of content, and geographical and temporary suspension of service.

For any request we follow a strict procedure, which is laid down in the Regulation for requests from competent authorities. This guarantees to the same extent the fulfilment of our obligations in terms of collaboration with these authorities and the **protection of the fundamental rights** of the people affected, in accordance with our commitment to respect for human rights.



[Go to chapter 2.8. Human Rights](#)

In 2021, a total of 5,263,552 requests for customer information from competent authorities (lawful interception and access to metadata) were recorded. Of these applications, 39,313 were rejected, which was 99% of the requests dealt with. The number of accesses/customers affected is 7,065,651.

> Customer empowerment

As part of the principle of transparency, Telefónica provides customers with access to the data they generate during the use of our products and services, data that are collected in the so-called 'Personal Data Space' of the 4th platform and which are accessible through different channels such as the Transparency Centre in the **Mi Movistar app**.

The year 2020 saw the launch of the **Transparency Centre** in Spain, which offers access to their privacy preferences for all customers and the management of data collected in the 'Personal Data Space', which is currently available to a group of users through the 'Mi Movistar' application (in the Security and Privacy section of the User Profile).

In the Transparency Centre, through the Privacy Permissions section, customers can manage the legitimising grounds relating to the use of their data for certain purposes. The Access and Download section offers useful views of different types of data, with a user-friendly experience and compliance with privacy criteria. It also has the option to download a document with further details on the datasets.

The Transparency Centre experience has been designed to **give users confidence**, with clear language, explaining the purpose for which their data is processed and its nature within Telefónica.

The Transparency Centre represents the first steps towards fulfilling our promise to give our customers features for them to control and ensure the transparency of their data, albeit in accordance with applicable regulations on privacy. For example, in Europe this processing will be fully aligned with the General Data Protection Regulation (GDPR).

> Consultation and complaint mechanisms

Besides the mechanisms established in the privacy policies and centres, Telefónica has implemented other means of consultation and mediation to deal with any incidents in this area:

Responsible Business Channel

We have a public channel on our website where all our stakeholders can consult or complain about any aspect related to the Responsible Business Principles. In 2021, 9 communications on privacy and 2 on freedom of expression were processed or received a reply or, where applicable, a solution.

Voluntary mediation system with AUTOCONTROL

Operational since January 2018 to provide a swift response to complaints related to **identity theft and the receipt of unsolicited advertising**. The procedure was developed by the Asociación para la Autorregulación de la Comunicación Comercial (AUTOCONTROL) in collaboration with the Spanish Data Protection Agency (AEPD). It also involves the participation of Orange, Telefónica and Vodafone and is open to other entities. This information can be found in the Movistar Privacy Centre.

Fifty-three requests for mediation were processed in 2021.

Targets

Update of the Group's Privacy Policy

Development of Binding Corporate Rules (BCRs)

The Transparency Centre will be available on all channels by 2022 in Spain.

Update of privacy and security training plans for suppliers and employees

2.15.2.5. Progress in 2021

GRI 418-1

During 2021, we continued to update new local privacy and security centres located on the commercial websites of the Telefónica Group operators and we completed the total renovation of the Movistar Transparency Centre in Spain available on its website.

On the other hand, the **Transparency Centre** has been launched **on television**, through the Mi Movistar section of Movistar+, fulfilling the promise of giving control of their data to our customers through digital channels.

Proof of our progress in terms of privacy and freedom of expression is that in 2021 and for the second consecutive year, we were first among all telecommunications companies in the **Ranking Digital Rights (RDR)**. This ranking assesses company commitments, policies and practices that affect freedom of expression and customer privacy, including governance and oversight mechanisms. In this edition, the methodology was revised, integrating indicators on targeted advertising and algorithmic decision-making systems.



MILESTONES

We updated and developed all local Transparency Centres.

First telco in the Digital Rights 2021 Ranking.
We made progress in the implementation of privacy digitalisation.

We digitalise business continuity management processes.

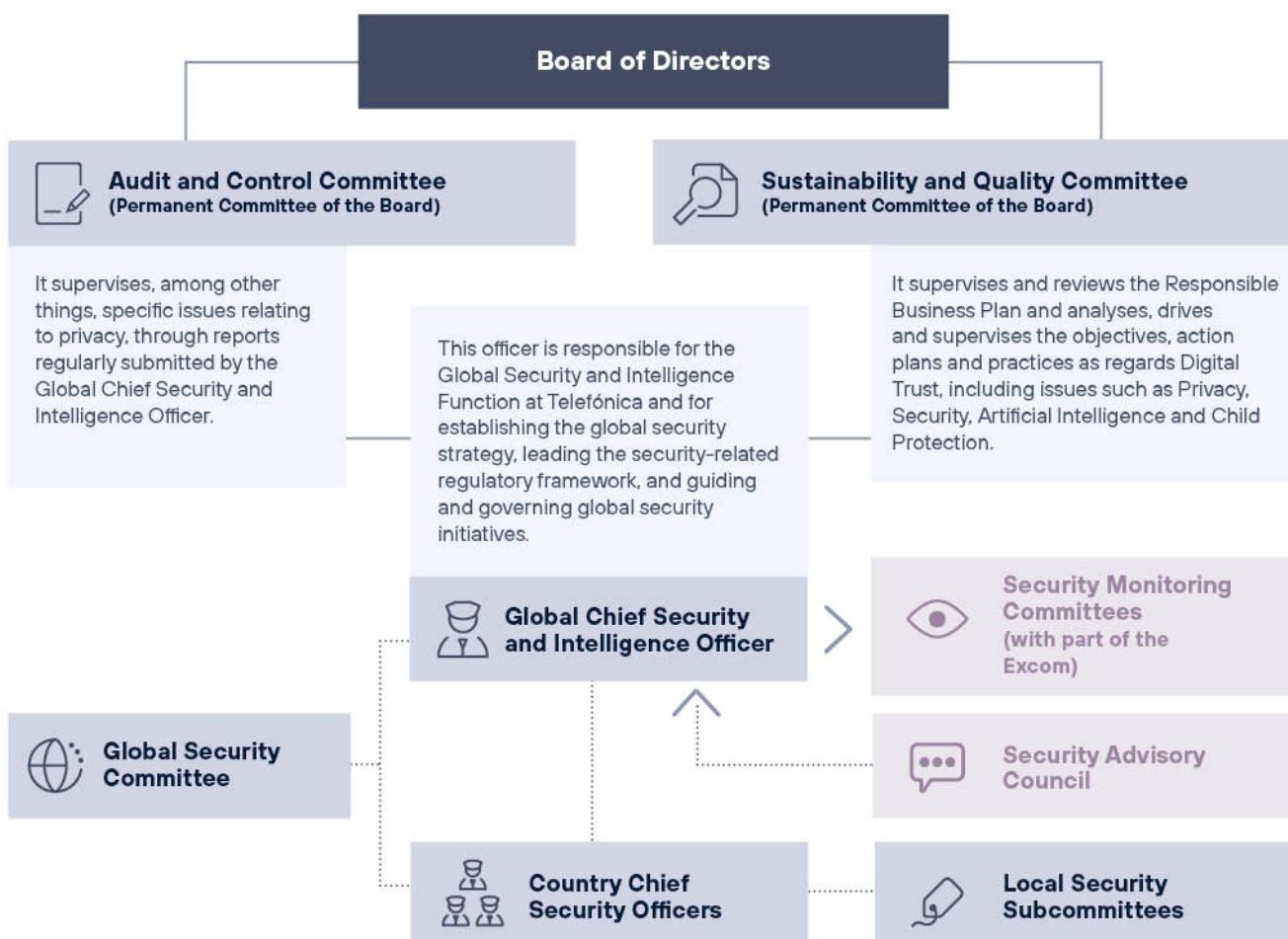
2.15.3. Security

The increase in the number and complexity of security threats, together with their diversification, leads to a constant application and management of security measures. For this reason, we believe that security should be managed within a **cycle of continuous improvement**, and understood as an integral concept encompassing physical and operational security, information security including cyber security, business continuity and fraud prevention.

The security strategy is based on a number of activities that reinforce the Company's business operating processes and transformation initiatives. These activities form a security management system according to international reference frameworks and standards such as ISO 27001 and NIST.

2.15.3.1. Governance

To achieve effective protection of the Telefónica Group's assets, including services and data, and to ensure the necessary resources and support, the Security Area has the backing of the company's Management and reports to the highest level. The Security Area is indexed on a **solid organisational structure** starting from the Board of Directors through its Sustainability and Quality and Audit and Control Committees, to the security structures in the local operations, and extends to the safety structures in the local operations, as depicted in the graph below:



The head of the Global Security and Intelligence area at Telefónica is the Global Director of Security and Intelligence and has been delegated the authority and responsibility by the Company's Board of Directors to establish the global strategy for this area. **He/she leads, guides and governs the policy framework** and global initiatives in this area. He/she reports to the Board of Directors through the Audit Committee and the Sustainability and Quality Committee. The director proposes a local security manager in each Telefónica Group company.

From a governance and coordination point of view, the global security committee is established, chaired by the **global director of Security and Intelligence**, with the participation of the corporate heads of different areas of the Company (Compliance, Audit, Legal, Technology and Operations, People, Sustainability, etc.) and local security officers. There are also local and functional Security Sub-Committees chaired by the local Security Officers. They collaborate in the definition of strategic initiatives and global guidelines and implement them in each Telefónica Group company.

In addition, the Global Security and Intelligence Area promotes and drives the Global Digital Security Committee in which several members of the Company's Executive Committee participate.

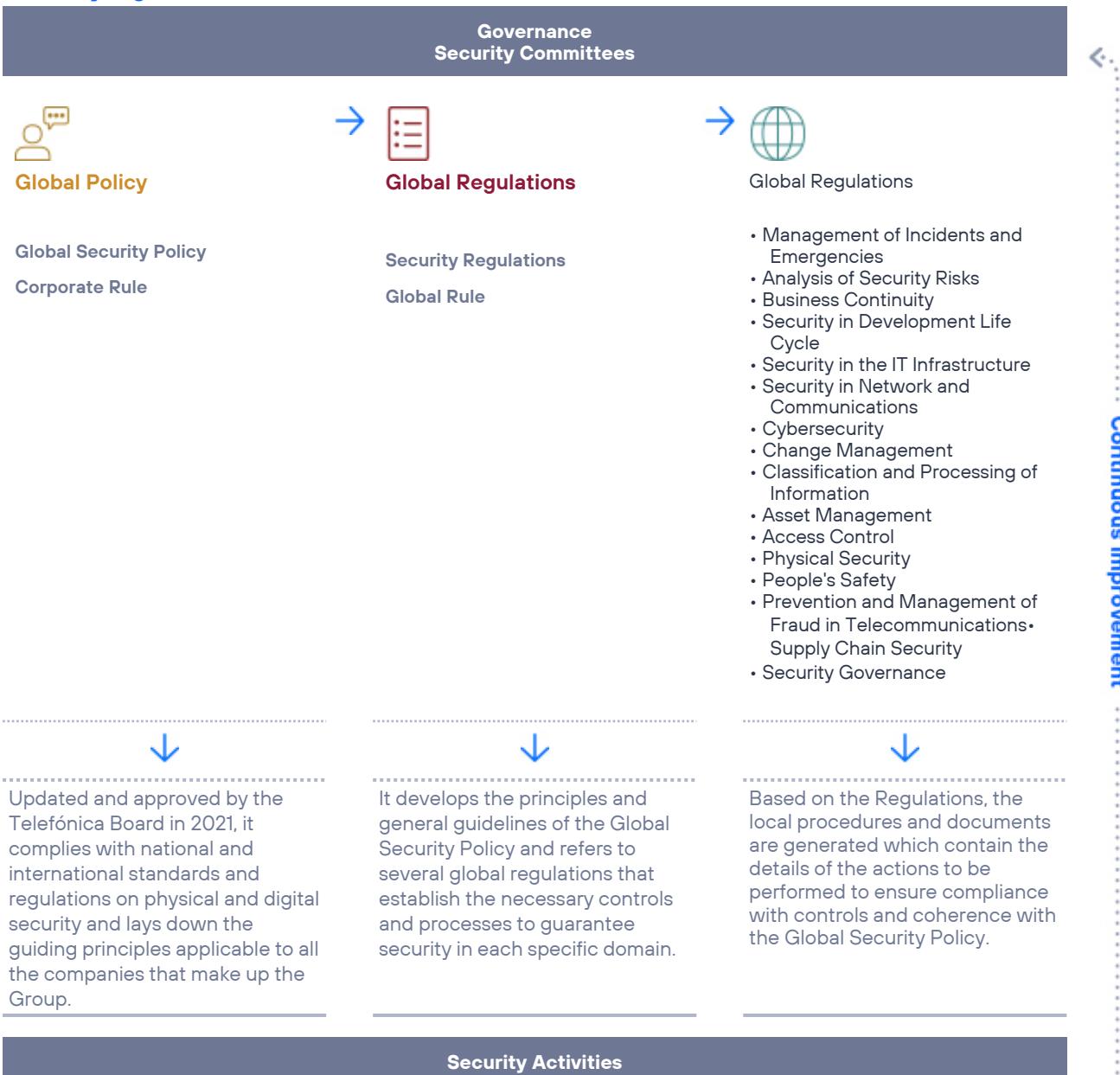
In addition, Telefónica has a **Security Advisory Board** made up of major figures from outside the Company, in the broad field of security and intelligence, with the aim of contributing best practices and their opinion on our strategy.

2.15.3.2. Policies

The security lifecycle aims to **protect the company** against potential damage, protecting people and property, and guaranteeing the confidentiality, integrity and availability of the Company's information assets, including services and data. To achieve these objectives, we promote different safety policies and activities, forming a management system that is compatible with international reference frameworks and standards. Policies and activities are reviewed and updated as a result of a continuous improvement cycle. Periodic findings and measurements, changes in context, and

newly identified risks are taken into consideration, as reflected in the following scheme:

Security regulations



Our framework of security controls is formalized in official certifications such as ISO27000 and PCI-DSS, for those cases in which it is efficient or necessary in the processes of customer relations and regulatory compliance. In turn, we may require our IT service providers to have certified security management systems or ISAE 3402 or similar reports.

2.15.3.3. Risks and opportunities

Information technology is a relevant element of our business and is exposed to **cybersecurity risks**. For this reason, cybersecurity risk is included in the Company's basic risk map, which defines guidelines to facilitate uniform reporting, alignment with business objectives and corporate risk tolerance criteria.



[Go to chapter 3. Risks](#)

2.15.3.4. Strategy and commitments

At Telefónica we understand as a comprehensive concept that aims to protect its **assets, interests and strategic objectives**, ensuring on the one hand its integrity and on the other removing potential threats that could damage its value, affect its confidentiality, reduce its effectiveness or alter its operation and availability.

Comprehensive security encompasses:

- physical and operational security (of people and assets)
- digital security
- business continuity
- fraud prevention
- any other relevant area or function aimed at corporate protection against potential damage or loss.

In turn, the concept of digital security integrates the aspects related to information security and cybersecurity, being applicable to the supports, systems and technologies and elements that make up the network.

The security provisions applicable to the Telefónica Group's assets will also apply to its collaborating entities (suppliers, subcontractors, etc.). This applies when their activity affects those in the development of their business, being extrapolated to the entire supply chain and with special focus on those that manage Telefónica Group data.

The security activities performed by the different organisational structures, those responsible for assets and employees are governed by the **principles of legality, efficiency, co-responsibility, cooperation and coordination**, for whose promotion, management,

control and improvement the appropriate mechanisms have been established.

The Company's Global Strategic Security Plan, reviewed and approved by the global security committee on 30 September 2021, aims to integrate security policy into Telefónica's strategy and identifies and prioritises the main lines of action.

> Digital security or Cybersecurity

Digital Security is a key element of our business. Its ultimate goal is to **ensure our resilience**, in other words, the ability to withstand and contain attacks so that our business is not affected at all or, if it is affected, the level is tolerable. This is applied in practice and in processes, tools and capabilities that aim to anticipate and prevent cybersecurity risks.

Given the current context of cybersecurity and Telefónica's status as a digital operator, special focus is placed on the following aspects:

Cyber-intelligence and incident management

We have tools and capabilities for the entire cycle of potential incidents:

Anticipation, before it can affect us.

Prevention, ensuring the protection of both facilities and assets, as well as customer data and identity.

Detection and response, through a network of 19 Incident Response Centres (CSIRTs) working in a coordinated manner, local and global level, to resume normal service as soon as possible and with the least possible impact.

Our approach to cyber-intelligence is based on a proactive approach, applying knowledge and technology to achieve the required levels of protection by quickly detecting breaches or attacks on assets. We also build the technical and human capabilities needed to **respond effectively and quickly** to any breach or incident in order to minimise attacks and their consequences.

We have a bug-bounty programme in place with selected industry experts to discover weaknesses.

We have a global **network of Incident Response Centres (CSIRTs)** that coordinate to understand and analyse the risks of potential cyber-threats, monitor the serious bugs in the most critical technological assets, establish relationships with other national and international CSIRTs/CERTs in the public and private sectors, detect potential security incidents that affect the Organisation's technological assets and respond to and manage security incidents affecting the Organisation.

During 2021, 3 **high-impact security incidents** were managed. We consider high-impact incidents to be those that meet certain criteria at a global level (e.g. economic, legal, service or media impact). Of the total number of

incidents, 1 incident involving Telefónica España affected customer data. We followed the transparency protocols, notifying the affected users and the Spanish Data Protection Agency of the incident. The incident management protocol was also followed in terms of detection, analysis and response, establishing the appropriate mitigation measures.

Lessons learned from incidents are a major part of feedback for security improvement projects in processes and technological capabilities and platforms.

The **CSIRT Network CyberExercises** are an initiative by the global CSIRT that offers an evaluation, training and coaching environment specially designed for incident response teams. It involves teams from Telefónica's international CSIRT network.

We have a global public mailbox so that users can report **bugs or threats** that could affect Telefónica's technological infrastructure. This mailbox can be found on the Telefónica Global and Operators' websites in the Global Privacy Centre/Security section.

The Company has various **insurance programmes and coverages** in place that could mitigate the impact on the income statement and balance sheet of the materialisation of a large number of risks. In particular, there is cover for cyber-risks that could cause a loss of income, loss of customers, extra costs or recovery costs for digital assets, among others, and cover for Technological Errors and Omissions in the event of claims for damages to customers and third parties in general. The current global insurance limits range in value from €100 million to €500 million.

> Network security

Our approach to networks and communications is based on good knowledge of our assets and sites, as well as their characteristics and their importance for the business. Accordingly, the networks are properly planned and executed in keeping with applicable security requirements to minimise the risk of downtimes, unauthorised access or destruction.

Telefónica's role as a telecommunications operator makes it essential to **improve controls** for the security of its own fixed and mobile communications networks and infrastructure and the associated service platforms (for example video, and Internet of Things). Accordingly, the aforementioned security processes are applied in an integral manner to manage the risks associated with attacks and the exploitation of bugs in networks and protocols. This involves significant internal activity with our main technological partners and international organisations (e.g. GSMA) to reduce potential impacts. Examples can be found in the work done on 4G/LTE, SS7, BGP and other critical enabling technologies.

It is also worth highlighting the importance of the **evolution to 5G** and the company's position in actively contributing to making the new networks as safe as or even safer than their forerunners. The Company's technological developments in this area, such as the evolution of our network virtualisation platform, UNICA NEXT, network splitting or new radio access technologies are considering security by design.

> Physical and operational security

At Telefónica, we make a continuous effort to improve our capabilities for the physical protection of infrastructures and assets. Among the programmes we develop, the following stand out:

the interconnection of control centres to create a resilient network that reinforces the availability of infrastructures for surveillance and protection services;

the management of travel security for Telefónica personnel, which substantially improves response time and the mechanisms for action in the event of any incident;

the implementation of consistent digital procedures and tools for global security monitoring.

> Security by design

Security is considered from the earliest stages in all areas of activity to ensure that it is an **integral part of the entire technology lifecycle**. This approach is based on: i. the risk analysis and management process ii. the development of proprietary technologies iii. the focus on innovation and domestic technology iv. employee awareness and v. the security requirements demanded of our supply chain and is implemented in the following areas:

Design of secure systems: security requirements are a consideration from the design phase of applications and systems, incorporating controls against known bugs and ensuring that there are no security weaknesses at source. This results in systems and applications that are more resistant to malicious attacks.

The **management bodies** receive consolidated monitoring and control information for analysis. The analysis is used to define the preventive actions to be included in the strategic plan, considering security by default and from the design phase; it also reviews the aspects required in the global security policy and regulatory framework to take into account the appropriate considerations.



Go to chapter on 2.9. Responsibility in our products and services

> Supply chain security

At Telefónica we have safety requirements for our suppliers and we identify the risks associated with the provision of a service/product. During 2021, the implementation of the supply chain security initiative has continued to support and evolve.

This year, we have implemented and developed the **3PS+** tool, which allows us to digitalise the entire process of managing security aspects throughout the life cycle of suppliers. This application allows all information related to security aspects to be available throughout the entire purchasing process. Its main characteristics are as follows:

Supply chain security process



Prior to contracting. the application allows the generation of security requirements for new procurement processes that can be interacted with. For example, generating and modelling security requirements, uploading the answers given by suppliers, obtaining objective assessments of the level of compliance, etc.

During the provision of the service, there is the possibility to monitor the security aspects related to the service. To this end, the system generates alerts based on the start date of the service and the selected monitoring period. This allows the user to record relevant information that may pose a risk to Telefónica's assets.

On completing the service provision, it is possible to control how the provider's output is executed, and mitigate or even avoid the most common security risks at service termination: failure to block physical and logical access, failure to check VPNs/ports/systems used for services, etc.

All Telefónica Group employees have access to this tool, which simplifies and facilitates the obtaining of security requirements and the knowledge and management of the risks involved in the provision of a service/product by a supplier.

> Business continuity and crisis management

The business continuity function integrates various activities and processes aimed at improving our resilience.

In the event of a crisis, the priorities are:

Protect the integrity of people, ensuring the well-being of employees and collaborators.

Provide the agreed services to our customers, with the agreed availability and quality.

Protect and look after the interests of our shareholders and institutional investors.

Comply with our regulatory and legal **obligations**.

Protect and secure business from a sustainability point of view.

The business continuity function is included in the global security policy. The details are defined in the Global Business Continuity Regulation and in various documentation, both globally and locally, for each business unit.

To ensure its continued evolution and the support of the Company's management, the Global Crisis Management Plan, which is in turn made up of the Global Crisis Management Project and the Global Business Continuity Project, is part of the Strategic Plan of the Global Security and Intelligence Directorate.

Global Crisis Management Plan



Our strategy is evolving by strengthening the following aspects:

Strategic vision: global threats require global action. Having a strategic vision of business continuity enables global decisions to be taken that result in greater resilience.

Effectiveness in crisis management: having a proven crisis management model, common to the entire company, both in its definitions and in the execution of its procedures.

Coordination and collaboration: the organisational model guarantees, aligns and promotes the homogeneous development of business continuity in the various business units.

Standardisation of measurement: this allows us to measure, without bias, various indicators that show us

the degree of maturity from the business continuity point of view, and the level of resilience of the Company. It also provides us with the necessary information to be able to establish medium and long-term objectives.

Each business unit has its own local business continuity office, and all local offices are aligned and coordinated through the global office. This is functionally located in the Global Security and Intelligence Directorate, which is part of the Company's corporate area.

The Company has a crisis management plan consisting of a global crisis management project and a global business continuity project. This is based on international standards such as ISO 22301 for business continuity management and ISO 22320 for emergency management.

For the execution of the **crisis management plan**, the processes of each of the areas are identified, detecting scenarios that could lead to their interruption; potential treatment plans are considered; the business continuity strategies to be applied are decided and, if necessary, business continuity plans are generated with the appropriate actions to be taken.

Several global and local exercises are conducted annually. Some are intended to test business continuity mechanisms and others simulate a crisis scenario, unless during this period there has been an opportunity to test effectiveness or identify opportunities for improvement due to real continuity or crisis management situations.

> Governance model

The strategic evolution of the Company's business continuity function requires its own corporate governance. To this end, the Global Business Continuity Committee is responsible for making strategic decisions on aspects related to this area in the Telefónica Group. This body enables the definition of an overall strategy to take business continuity into account from design, as well as ensuring that the necessary resources are available and defining where efforts need to be focused.

Similarly, **local business continuity committees** are established as the bodies responsible for ensuring business continuity in each business unit. Their function is to guarantee the implementation of the strategic decisions taken at a global level and to transfer the needs, achievements and maturity indicators that allow a holistic view of business continuity in the Company.

The committees, whether at global or local level, prioritise and focus the resources of this function where they can generate the greatest impact and value for the Company, based on the following focal points:

Strategic services

Strategic projects

Strategic suppliers

Organisational aspects

The creation of the Global Business Continuity Office (GBCO), which coordinates the different Local Business Continuity Offices (LBCOs), is the result of the evolution of a model that was distributed among the different business units towards a global model.

The GBCO is also the vehicle that transfers the different strategic decisions defined by the global business continuity committee to the business units.

> Global business continuity programme

At Telefónica we have established a working methodology called the **Global business continuity programme**, aligned with the international standard ISO 22301, which is made up of the following phases:

1. **Planning:** a Statement of Work (SoW) detailing the scope of business continuity and an annual planning of activities.
2. **Implementation and operation:** deliverables aimed at establishing and documenting the business continuity mechanisms: a Business Impact Analysis (BIA) identifying the major processes and services, risk analysis, continuity plans, return to normality plans, etc.
3. **Monitoring and evaluation:** assesses the effectiveness of the business continuity arrangements in place by testing them in realistic and bounded scenarios. Indicators are available to assess the performance, maturity level and implementation of the overall business continuity project.
4. **Maintenance and improvement:** encompasses lessons learned and opportunities for improvement from Business Continuity testing, the actual execution of the business continuity management process and improvement initiatives arising from annual planning.

The LBCOs are responsible for ensuring and driving the proper implementation of the business continuity management process, which starts with the identification of processes/services. The process is shown in the following image:

Business continuity management system



> Business continuity maturity monitoring

In order to have a homogeneous measurement process of the correct execution of the management process by the LBCOs, the 'degree of maturity' has been defined.

Business continuity maturity model



This homogeneous maturity model, in terms of Business Continuity process management capabilities, allows the different units to define medium and long-term objectives. It also provides the Telefónica Group with a **holistic and consolidated vision** that accompanies its strategic decisions.

Over the past years, we have reached and maintained an 'optimised' maturity level. This means that we have established, tested and gained lessons learned on the defined business continuity mechanisms:

Evolution of the degree of maturity



> Crisis management

The Global Crisis Management Project includes all aspects related to the successful coordination and management by senior management of events that could have a major impact on the Company, and which have to be treated as a crisis.

This project in the Telefónica Group is structured in four layers:

1. The first layer defines and classifies, in a univocal and homogeneous manner, the crises, their typology and the general strategy for dealing with them.
2. The second layer defines, in a univocal and homogeneous manner, the roles, responsibilities, means and channels involved in crisis management as well as the relationship and responsibilities between crisis committees.
3. The third layer groups together the procedures, plans and documentation necessary for crisis management.

The fourth layer defines, on a global basis, the architecture of warning systems, secure communication and, in general, the aspects related to digitalization that support the activities of the different crisis committees.

Layers of Crisis Management



Crisis

Definition

Classification (Local, Regional, Global)

Overall strategy



Crisis Committee

Chairman

Members and boards

Media and channels



Procedures

Crisis response procedures

Business continuity drills/plans

Communication plans



Architecture

Alert system

Secure communication system

Crisis committee support system

The global crisis management project provides additional and complementary mechanisms to business continuity, making it possible to manage incidents with a broad impact on the Company.

Three types of crises are described as part of the model:

Local crisis: confined to one organisation or business unit in one country.

Regional crisis: confined to several countries belonging to the same geographical region.

Global crisis: confined to several companies or business units of the Telefónica Group in more than one country.

Depending on the type of crisis that is triggered, there are active protocols and means of alert, notification, management and coordination, which are known to all those involved in the overall crisis management project.

The main role in this management process is played by the members of the crisis committee, at global or local level. There is a differentiation between permanent members who participate in any activation, ad hoc members who participate depending on the typology of the crisis, and working or support tables for these members.

The Global Crisis Management Project enables us to:

Accelerate the decision-making process.

Enable a unified crisis management model.

Centralise the receipt of information.

Act as a unified tactical and decision-making figure.

Decide how to act based on the crisis scenario faced, and building on the business continuity aspects worked on previously.

Reliably transmit information about what has happened to customers, authorities, organisations or any other stakeholder.

Finally, it defines the obligation to conduct **tests and simulations** on different scenarios potentially harmful to the Company. This makes it possible to identify and improve the following aspects:

Evaluate reactions to particular circumstances.

Evaluate the preparation of documentation supporting crisis management activity.

Evaluate coordination mechanisms.

Prepare crisis committee members to act.

Targets

By 2022 we have set ourselves the following goals:

Digitalisation of business continuity management processes.

Digitalisation of the crisis management process.

2.15.3.5. Progress in 2021

Throughout 2021, **security measures** related to remote access and teleworking were further **strengthened** due to the situation caused by the evolution of COVID-19.

During the exceptional situation generated by the pandemic, the Business Continuity offices continued to identify the most relevant processes, both to ensure that they are sufficiently robust and to guarantee the resilience of the Company.

Both the crisis management process and the available resources were activated satisfactorily, maintaining the service levels agreed with customers at all times and adapting the network capacity to changes in demand. This scenario allowed the practical application of the global crisis management project in all Telefónica Group business units, strengthening the common management model, the standardisation of the architecture that supports this function, the digitalization of crisis alert processes, and the training and awareness of critical personnel.

From 2020 and 2021, more than **90% of employees performed their duties in telework mode** without any major incidents; more than 90 global crisis committees were held and drills were conducted at regional and global level. A very high level of coordination between the different areas and business units was demonstrated, a factor which, together with others, gives the Company a very high degree of maturity in relation to its ability to react to critical events.

During 2021, based on data on the evolution of the pandemic and vaccination in society, the Group developed **new return to normality strategies**,

adapted to local circumstances, which progressively evolved. This allowed social interaction to be restored at the physical locations, ensuring the safety and health of our employees and customers.

Meanwhile, the Telefónica Group played a key role in society as a whole from the point of view of securing communications. This fact was recognised and valued by various entities and bodies in all the countries where the Company is present.

The events discussed in the crisis committee are detailed below:

Events discussed in the crisis committee

CHILE (LOCAL) January 2021

Description	Early Warning Fires Northern and Southern Chile
Type of crisis	Fires
Impact	<p>In Chile, forest fires affect thousands of hectares of forest, causing many fires in the north and south of the country. It is necessary every year to carry out an exhaustive analysis and monitoring during the months of January and February as the spread of these can put at risk both our internal and external personnel and our internal and external plant and customer infrastructure.</p> <p>There was no impact of any kind on people.</p> <p>Possible impact on "internal and external plant" infrastructure affecting the operation.</p>
Actions	<p>Crisis committee activated on 15 January 2021</p> <p>This Crisis involved a team of 18 collaborators, working for 3 days</p> <p>The working groups to be activated were designated according to the crisis management plan, Fixed Members, ad-hoc members, one leader per working group: Network, People and Resources, Commercial, Operations and IT.</p> <p>Information on respirator kits that are available in the area was sent to find out what is available.</p> <p>Coordination was made with Security and RED to change the guard at El Belloto, in order to make it available as an emergency camp and send all the necessary kits with respirators and elements.</p> <p>A call was made to the employees who are in the fire zones to check if they are all right. Through Fact24</p> <p>Respirator kits have been sent and are available in the area</p> <p>The measure of non-suspension of defaulting customers was applied. (Soft delinquency)</p> <p>Due to the control of the spread of the fires affecting the north and south of the country, at the request of the commander on duty, the Early Warning is closed on 18 January 2021</p>

BRAZIL (LOCAL) April 2021

Description	Unavailability of some sales and call centre systems and services due to IT network failure
Type of crisis	IT Network Failure
Impact	Operational impact for customer service in call centres and shops.
Actions	<p>Crisis committee activated on 20 April 2021.</p> <p>This committee is composed of a multidisciplinary team from the areas of Call Centre, ATC, IT, Regulator, Communication. Systems were not available at the beginning of the activation.</p> <p>Working groups were held to identify root causes and contingency activations in order to mitigate impacts.</p> <p>With the activation of the contingencies, the systems were restored and the incident was closed.</p> <p>Duration of the event (DD hh mm): 00 03:11</p>

CHILE (LOCAL) April 2021

Description	Cyber-attack - REMEDY DB THEFT
Type of crisis	Cyber-attack
Impact	Significant dissemination in the media and social networks, which caused uncertainty and doubts on the part of Telefónica Empresas' customers, in relation to the content of the information exposed and which the actor could possibly have (sensitive and internal customer data). Reputational damage due to possible exposure of sensitive and internal information of Telefónica Chile and its customers. Possible leakage of customer or employee data of Telefónica Chile.
Actions	<p>Crisis committee activated on 22 April 2021</p> <p>Working groups are activated (IT/Digital Security/Network/Business/Communications/Legal)</p> <p>An action plan is defined with 29 points to be implemented, such as: Restriction of internet access to Remedy of Telefónica Chile, Change of password of user accounts in database applications and servers involved. Maintain active monitoring of social media and internet through the Cyberthreats platform. Work was carried out to generate communications to corporate customers to contain the impact and uncertainty that the news may have generated. An analysis was made of 1 million tickets and tickets with sensitive information from 87 customers were identified, all customers were contacted and the corresponding account and/or password changes were made preventively, there were no customers with complaints or escalations due to service disruption.</p> <p>After the containment measures and action plans, the crisis committee was closed down on 29 April 2021 and three lines of action remain at the time of closure: two legal actions are ongoing. Any potential threat to the organisation is continually monitored. A comprehensive strengthening plan is defined, consisting of 40 initiatives to be worked on jointly by Telefónica Tech Chile, Digital Security Chile and the Telefónica Chile Business Department.</p>

BRAZIL (LOCAL) May 2021

Description	Unavailability of storage infrastructure resulting in unavailability of several applications
Type of crisis	Storage infrastructure
Impact	Operational impact on services to customers, field technicians and shops.
Actions	<p>Crisis committee activated on 17 May 2021.</p> <p>This committee is made up of a multidisciplinary team from the areas of Call Centre, Technical Customer Service (ATC), IT, Regulator, Communication, field team, digital channels, legal, financial, etc.</p> <p>Root cause identification workshops were held, a physical failure was identified, corrected and systemic applications were re-established.</p> <p>Duration of the event (DD hh:mm): 00 03:50</p>

TGS (LOCAL) 22 June 2021

Description	Impact on Services due to an Earthquake of 6.0 at 33 km SW of Mala, Cañete - Lima
Type of crisis	Earthquake
Impact	<p>This earthquake had an impact on the following services:</p> <p>Fixed internet:</p> <ul style="list-style-type: none"> • 2 DSLAM affected • 17 HFC connection boxes affecting 3,700 customers <p>Mobile services:</p> <ul style="list-style-type: none"> • 2G, 3G and 4G service outages <p>Other impacts</p> <ul style="list-style-type: none"> • Traffic degradation CMTS MALA • Huanuco-Cañete radio link down • Media Networks reports a misaligned TV antenna. <p>Concerning the quality of services</p> <ul style="list-style-type: none"> • It is verified that VoLTE performance is being normalised, currently at approx. 86%. • Performance degradation at power plants. <p>There was no reputational or regulatory impact.</p> <p>There was no impact of any kind on people.</p>
Actions	<p>Crisis committee activated on 22 June 2021.</p> <p>The crisis committee evaluates the corrective actions and defines activities to be carried out by IP Networks, Fixed and Mobile, Engineering, NOC, Physical Security, Media Networks and Communications.</p> <p>The crisis committee authorises the publication of informative notes through the authorised channels.</p> <p>Technical teams carry out service recovery work by switching, repairing and reconfiguring services.</p> <p>The disruption lasted 4 hours and 37 minutes, after which the crisis committee declared the crisis to be over.</p>

BRAZIL (LOCAL) September 2021**Description Unavailability of the Attention platform**

Type of crisis	Failure on the service platform
Impact	Partial impact on operations: Field service and call centre.
Actions	<p>Crisis committee activated on 20 September 2021.</p> <p>This committee is made up of a multidisciplinary team from the areas of call centre, ATC, IT, Regulatory, Communication, field team, digital channels, legal, finance etc.</p> <p>Communication guidelines were defined during the committee.</p> <p>Working group discussions were held to restore the platform and normalise services.</p> <p>Duration of the event (DD hh mm): 00 03:18</p>

TGS (LOCAL) 25 June 2021**Description Due to the migration process from TGS to O365's Hybrid Identity model, because of a human error, Office 365 was unavailable on 25 November**

Type of crisis	Failure in the service platform
Impact	This incident has a local impact on the entire Telefónica Global Solutions company. At 5:15 p.m. the unavailability of Microsoft Office 365 is detected, with no access to any O365 service. 1,114 users were affected.
Actions	Following the activation of the crisis management process, the affected assets and users are reviewed. Communication made to those affected. A problem is identified in the AD Connect connector. A solution is applied systematically to the affected environment, bringing the incident to an end.

**MILESTONES**

Implementation and improvement of the security management process throughout the entire life cycle of the providers.

Review and reinforcement of security measures related to remote access and teleworking.

2.15.4. Cross-cutting Privacy and Security Issues

2.15.4.1. Internal Control

In order to address and comply with the legal provisions of the countries related to local data protection and privacy laws and regulations, within the 2021 Annual Plan, a total of 11 specific audits were conducted to verify compliance, as well as the identification of **best practices in data protection issues**.

The most relevant aspect in European operators, which are affected by the new data protection legislation (GDPR), has been to review the implementation of the Governance Model, as well as the **data processing** corresponding to year 1 of the GDPR audit cycle. In the rest of the countries affected by local data protection laws, the most important aspects reviewed were: verification of the application of security measures in the processing of personal data, verification that the integrity and quality of the information is ensured, and verification that the consent of users has been obtained for the processing of their personal data.

The Annual Plan has also promoted auditing work related to cybersecurity and security in Networks and Systems, with the aim of validating mainly the **security of remote access to the infrastructure** and its security configuration (bastioning), as well as the resistance of the technological perimeter to incidents due to the exploitation of vulnerabilities. Another objective, related to the infrastructure configuration, is to review the stored information to ensure that it is sufficiently secured in terms of access permissions and profiles to prevent tampering or unauthorised deletion.

During 2021, 55 tasks of this nature were carried out.

2.15.4.2. Training and awareness-raising

During 2021, 67,880 attendees completed training on privacy, data protection, security and cybersecurity. A total of 81,460 hours of training were provided.

In addition, we have been reinforcing communication and awareness-raising programmes on different channels to ensure that messages reach all corporate levels and locations.

2.15.4.3. Stakeholder relations

Telefónica actively participates in various international organisations and forums, most of which are multi-stakeholder bodies. In 2021 the following were notable:

Internet Governance Forum (IGF)

We are members of the Multi-stakeholder Advisory Group (MAG) and have continued to advise the Secretary General on the development of the Forum's agenda and meeting schedule.

In 2021 we participated in the 16th edition of the IGF, organised by the United Nations and hosted by the Government of Poland, under the theme 'United Internet'. Inclusion and Human Rights as well as **universal access and relevant connectivity** have been addressed as main areas of focus.

We were particularly active in the sessions on Governance in AI: automated and human-centred decision-making and in the debate on 'Breaking down barriers to connectivity'.

Internet Governance Forum in Spain:

In 2021 we participated in the organisation of the Spanish edition of the IGF. This year, under the slogan 'Internet unites us. The network as an engine of transformation, recovery and sustainability', different issues were addressed such as **European regulation of platforms**, trust in the digital ecosystem, environmental sustainability and climate change.

Global Network Initiative (GNI)

We have participated in this multi-stakeholder organisation since 2017 to advance the protection and promotion of **freedom of expression and privacy**. To this end, joint strategies and positions are agreed on topical issues related to content moderation, intermediary liability, network shutdowns or jurisdictional tensions.

During 2021 we participated in initiatives related to COVID-19's impact on privacy and freedom of expression, such as the Latin America research report. Meetings and positioning related to current issues have also taken place in different countries around the world, from Canada to Pakistan or the European Union.

Council of Europe

We have been a member of the partnership between digital companies, operators, industry organisations and the Council of Europe since its inception in 2017 to cooperate on the development of recommendations and proposals related to technology and Human Rights in democracy and the rule of law.

During 2021, Telefónica actively participated in the work and events on artificial intelligence, particularly in the Ad hoc Committee on Artificial Intelligence (CAHAI), where a proposal for a mandatory legal framework on artificial intelligence based on the standards of the Council of

Europe in the field of human rights, democracy and the rule of law has been drafted.

Internet & Jurisdiction

We cooperate with this multi-stakeholder organisation, which focuses on the tensions posed by the cross-border and global nature of the Internet and national jurisdictions. This organisation facilitates a structured dialogue between academics, representatives of the public and private sector as well as civil society to improve transnational cooperation by developing interoperable legal models.

During 2021 we contributed to the report on data sovereignty, 'We need to talk about data'.

Cybersecurity Tech Accord

Telefónica is a founding member of this private sector initiative. It is a joint effort of more than 160 companies from around the world whose main objective is to protect Internet users against the growing evolution of cyberthreats. **Consumer awareness and 'cyber hygiene'** are two of the tasks on which the organisation focuses its efforts. The Tech Accord is unique in its aim to accelerate the implementation and improvement of cybersecurity globally, through the participation of businesses, governments and individuals.

The Cybersecurity Tech Accord was an early supporter of the Paris Call for Trust and Security in the Cyberspace, a forum launched in 2018 by French President Emmanuel Macron, which was a major call for businesses, governments and citizens to stand together in the face of new threats to citizens and infrastructure. Since then, its supporters have grown to include more than 1,000 entities, 79 of which are governmental organisations.

OECD

We are a member of 'Business at the OECD', as Deputy Chair of the Digital Economy Committee.

During 2021 we continued to collaborate with the Artificial Intelligence Group of Experts (AIGO), on blockchain, and on the review of broadband recommendations published in 2021. We have also participated in other projects such as the report on Government Access to Personal Data of Private Companies, or others such as those related to the future of telecommunications networks, regulators and spectrum management.

EU Expert Group on B2G Data Sharing

We participate in the European Commission's expert group on Business-to-Government (B2G) data sharing.

The European AI Alliance

Our Chief AI & Data Strategist is a member of the European Commission's European AI Alliance, a platform for open discussion on artificial intelligence issues and their impact.

Centre for Information Policy Leadership (CIPL)

We are part of the CIPL organisation, an international think tank based in Washington D.C., Brussels and London that works with industry leaders, regulators and policy makers to develop global solutions and best practices in the field of privacy and responsible use of data in the new digital environment.

2.15.4.4. Main indicators

GRI 418-1

Summary of key indicators on Privacy and Security

	2020	2021
Number of attendees on training courses in data protection and cybersecurity	80,222	67,880
No. of hours of training in Data Protection and Cybersecurity	105,700	81,460
Number of open procedures by data protection issues	61	68
Number of fines for data protection issues	15	24
Sum of fines (euros) for Data Protection issues	328,594	436,714
Number of confirmed fines for data protection issues as a result of a security breach or incident (physical or cybersecurity) affecting personal data of customers, employees or others.	0	0
Number of enquiries/complaints on Data Protection/Privacy issues in the Responsible Business Channel	15	9
Number of queries/complaints on Freedom of Expression issues through the Responsible Business Channel	0	2
Number of internal audits in data protection and cybersecurity	75	66
Total number of relevant Information Security / Cybersecurity incidents classified as serious	1	3
Number of Severe Security Breaches with impact on customers	0	1
Number of customers affected by data breaches	0	157,217

2.16. Responsible supply chain management

KEY POINTS

- We require 100% of our suppliers to operate with stringent sustainability standards similar to our own.
- We engage with our key suppliers on specific topics (scope 3 emissions, occupational health and safety standards, etc.) in order to join forces to achieve our targets.
- We collaborate with other telcos in industry initiatives to enhance our positive impact in the sustainable transformation of the ICT supply chain as a whole.

2.16.1. Vision

GRI 103, 102-9, 308-1, 414-1

Telefónica has set **ambitious sustainability targets**, whether in relation to reducing CO₂ emissions, promoting decent working conditions or designing sustainable digital solutions. In order to meet them, **we cooperate closely with our suppliers** on these issues. That is why we see them as **partners** in our common journey towards a **more sustainable economy**.

To build trusting relationships with our suppliers, we have developed robust policies and processes with a dual purpose. Firstly, to jointly **identify potential sustainability risks** common to our supply chain in order to address them effectively. Secondly, to **collaborate proactively on key issues** (e.g. CO₂ emissions) to turn the ICT supply chain into a driver of sustainability. This dual approach is designed to ensure that we can offer our customers **products and services** that not only have a **positive impact** on society and the planet, but which have also been **developed in a responsible manner**.

2.16.2. Governance

GRI 103

Sustainable Supply Chain Management is part of the **Responsible Business Plan**, which is led by the Board of Directors. The **Sustainability and Quality Committee of the Board of Directors** supervises its implementation and monitors its goals.

2.16.3. Policies

GRI 103, 102-9, 308-1, 414-1

Our key policies and standards related to responsible supply chain management are:

- Supply Chain Sustainability Policy.
- General conditions for the supply of goods and services.
- Low Carbon Procurement Instruction.
- Human Rights Policy.
- Global Privacy Policy.
- Global Security Policy.
- Occupational Health, Safety and Well-being Regulation.
- Global Environmental Policy.

2.16.4. Risks and opportunities

GRI 103, 102-9, 407-1, 408-1, 409-1

The **main sustainability risks** in our supply chain are **labour conditions, environmental impacts and data privacy and security**. Failure to adequately address these risks can result in negative impacts not only for society and the planet, but also in terms of business disruption along our supply chain. In other words, if supply chains are sustainable, the various risk types can be better identified and therefore disruptions due to pandemics, natural disasters and other geopolitical events are more likely to be avoided.



Go to chapter 1.4 Materiality

Our approach is to **turn these risks into opportunities** by **working closely** with our suppliers. In doing so, we can create **efficiencies** and, for example, reduce the costs of materials, energy and transport. We can also increase labour productivity by ensuring decent working conditions in our supply chain. Finally, we can **innovate together** in the face of changing markets and meet the growing demand for sustainable solutions in the transition to a more sustainable economy.

2.16.5. Strategy and commitments

GRI 103, 102-9, 407-1, 408-1, 409-1

Telefónica's purchasing strategy is based mainly on:

Global management by Telefónica Global Services, an organisation comprising a team of buyers specialised by product/service category. This team leads the negotiations of products and services that require more technical knowledge and are more critical for the business, with a high knowledge of the market and a focus on capturing synergies.

Coordination with the operators is articulated through the local procurement teams in each country, making it possible to anticipate demand and supervise the execution of contracts and supplier performance.

Internal efficiency through the optimisation of procurement processes and systems, and thus from process simplification initiatives and evolution of support systems.

This is complemented by a **commitment to innovation and sustainability** present throughout the entire process of our relationship with our suppliers and developed through our sustainable management model, which is based on generating a positive impact, favouring economic and social development based on digitalisation.

As part of our management model, we pay special attention to issues associated with the supply chain that have a **high social and environmental impact** and which are **significant for both the sector and the company's strategy**, and in particular:

Our commitments according to the key sustainability aspects in our supply chain

Aspect	Our commitments	More information on how we manage this at:
Eradication of child/forced labour	We contribute to their eradication through specific projects focused on the protection of the human rights of minors (e.g. on-site audits of high-risk suppliers). We address local reporting and transparency requirements in this area, such as the Modern Slavery Statement published annually in the UK.	2.16.5.1. Risk management, 2.16.6.1. Risk management in 2021, 2.16.6.2. Engagement in 2021 and 2.8. Human Rights
Working conditions	We promote decent working conditions among our suppliers, especially in labour-intensive services (contractors and subcontractors).	2.16.5.1. Risk management 2.16.6.1. Risk management in 2021 and 2.16.6.2. Engagement in 2021
Occupational health and safety	We encourage best practices in health and safety with our suppliers to achieve #zerofatalities..	2.16.6.1. Risk management in 2021 and 2.16.6.2. Engagement in 2021
Conflict minerals	We work to strengthen controls on the use of such minerals across our entire value chain.	2.16.6.2. Engagement in 2021
Waste management	We work together with our suppliers in the digitalisation of our waste management to improve traceability and to leverage the opportunities offered by the circular economy.	2.3. Circular economy
CO ₂ emissions - scope 3	We work on managing emissions in our supply chain both globally and locally.	2.16.6.2. Engagement in 2021 and 2.2 Energy and climate change
Data privacy and security	We work with our suppliers, focusing particularly on those who have access to our customers' data, to ensure compliance with applicable regulations and security requirements.	2.15. Privacy and security

In doing so, we continue to rely on a company-wide **common procurement model**. This model is **aligned** with our **Responsible Business Principles** and is based on transparency, equal opportunities, objective decision-making and sustainable management of our supply chain.

Our suppliers have all the information available on our Supplier Portal.

In accordance with international standards such as ISO 20400 and the OECD Due Diligence Guidance for Responsible Business Conduct, we base our sustainable management model on risk mitigation and trusting relationships with our suppliers.

Our approach

Sustainable supply chain management



Our approach is based on two pillars:

Risk management

Engagement with suppliers

2.16.5.1. Risk management

GRI 103, 102-9, 102-29, 308-1, 308-2, 407-1, 408-1, 409-1, 414-1, 414-2

> Step 1. Minimum standards required

We require 100% of our suppliers to conduct their activities while applying ethical standards similar to ours. This ensures respect for core human rights and labour rights, as well as the protection of the environment.

Therefore, **all Telefónica suppliers must accept** the following when they register and/or renew the following on the Supplier Portal:

Supply Chain Sustainability Policy.

General conditions for the supply of goods and services.

Anti-corruption policy (certified).

Prior acceptance of these minimum conditions means that successful suppliers are evaluated in relation to the social and environmental impacts set out in our regulations.

SUMMARY OF OUR MINIMUM RESPONSIBLE BUSINESS CRITERIA

Zero corruption and conflicts of interest.

Respect for human rights.

Zero child labour.

Fair treatment of employees.

Freedom of association.

Zero tolerance of forced labour.

Diversity, gender equality and non-discrimination.

Zero tolerance for violence and harassment at work.

Health and safety.

Minimum environmental impact.

Waste management.

Reduction of single-use plastics.

Management and reduction of hazardous substances.

Fewer emissions.

Eco-efficiency.

Responsible sourcing of minerals.

Privacy, confidentiality of information, freedom of expression and artificial intelligence.

Management of the supply chain.

> Step 2. Identification of high-risk suppliers

We focus on our main suppliers according to their level of risk and impact on our business, given the volume of purchases awarded.

In accordance with our **risk analysis** methodology, we undertake the following process to analyse the overall sustainability risk of our individual suppliers:

First criterion: An initial assessment of the possible risk level given the products/services supplied to us and based on the following specific sustainability aspects in our supply chain, as set out in our **Minimum Responsible**

Business Criteria: labour conditions, health and safety, environmental, human rights (child/forced labour), conflict minerals, privacy and data protection and customer promise.

Second criterion: An analysis of the potential risk is then performed taking into account the **origin of the service or product** (and its components). In this analysis, we have also incorporated the impact of potential risks associated with the current pandemic by country of origin.

Third criterion: Finally, we assess the potential **reputational impact on Telefónica**, should the risks analysed materialise.

This three-step analysis allows us to identify potential high risk suppliers in our supplier base from a sustainability perspective.

> Step 3. Evaluation of our high risk suppliers' performance

We check the possible risks associated with our potential high-risk suppliers identified in the aforementioned analysis. Our buyers in the different countries consult two online tools on the purchasing platform:

EcoVadis

We conduct a 360° **evaluation** of our main high-risk suppliers based on 21 **sustainability criteria** that cover ethical, social, environmental and supply chain management aspects, including conflict minerals.

Performance-based actions

Performance Sustainability	Action
LEADING	Collaborate with the supplier to identify possible improvements or sharing of best practices.
ADVANCED	
Moderate	
PARTIAL	Request a commitment from the supplier to implement an improvement plan in the coming year, with the aim of exceeding 44 points.
INSUFFICIENT	Preventive blocking of the supplier in the purchasing system. Report and agree an improvement plan with supplier.

Dow Jones Risk & Compliance Service

We check our supplier database against Factiva, the database drawn up by Dow Jones Risk & Compliance. This check is carried out in both the supplier registration process and annual renewal. Thanks to this tool, we can **identify possible risks related to ethical behaviour and corruption**, thus reinforcing processes already in place for compliance with our Anti-Corruption Policy.

We identify the potential ethical and corruption risks of 100% of our suppliers when they register on our procurement platform.

If a supplier does not reach the **required level** —in EcoVadis or in the Dow Jones Risk & Compliance service— or is unable to provide the information requested, we require their **commitment to implementing improvement plans** to ensure compliance with our standards.

In extreme cases, when this is not feasible, all additional business with the supplier is **blocked** until they prove they have corrected the situation, as stated in the terms and conditions signed by both parties.

> Step 4. Audits of high-risk suppliers

The performance assessments are complemented by our **annual audit plan** to verify **compliance with the critical aspects identified** according to (i) type of supplier, (ii) service and product provided, and (iii) the risks of each region or country.

The audits include improvement plans agreed with 100% of the suppliers who do not comply with any of the aspects that may have a negative social or environmental impact.

2.16.5.2. Engagement with suppliers

GRI 102-9

We strive to understand the relevance of **material issues** for our suppliers, as well as their perception of Telefónica's performance in relation thereto.



[Go to chapter 1.4 Materiality](#)

Telefónica is firmly committed to an **open and collaborative relationship** with its suppliers. Our commitment to them is based on establishing relations that enable us to have a joint positive impact on our surroundings through close collaboration and the sharing of good practices, fostered through different initiatives and meetings with our suppliers.

One example is the management of our third-party collaborating companies through the **Allies Programme**. This way of forming relationships has allowed us to foster a culture of sustainability, raising awareness among suppliers about compliance with our standards, while at the same time we jointly establish mechanisms for early

detection and prevention of possible risks in our contractors and subcontractors (most of them in direct contact with our customers).

Targets

100% of high-risk suppliers assessed in EcoVadis before 2024.

Promote audits of Tier 2, 3, etc. suppliers in ICT supply chain through cooperation with direct suppliers within the JAC sector initiative.

Promote participation of SMEs in specific procurement processes in order to strengthen our positive impact on local economies.

Improve due diligence by our suppliers through a proactive engagement with them to avoid the indirect sourcing of minerals from conflict zones and/or mines with risk of human rights violations.

Reduce CO2 emissions in our value chain (Scope 3) by 39% in 2025 compared to 2016, and achieve net zero emissions in 2040.

Impact of our business on society

Volume of purchases awarded %/Total



(1) Agreements negotiated in Procurement with impact in 2021.

2.16.6. Progress in 2021

GRI 103, 204-1

As explained above, our approach is based on the following two complementary pillars: Risk management and supplier engagement. What did we do in 2021?

2.16.6.1. Risk management in 2021

GRI 103, 102-9, 102-29, 308-1, 308-2, 403-7, 407-1, 408-1, 409-1, 414-1, 414-2

In 2021, **100% of our suppliers accepted the minimum standards** set out in our Supply Chain Sustainability Policy (**step 1**).

Based on our **global risk analysis** of suppliers awarded in 2021, we identified **810 suppliers** that provide us with products or services classified as **potentially high risk** from a **sustainability perspective**. In 2021, we implemented an adjustment to the analysis methodology in order to focus on those suppliers with a significant impact on the business as well as on the Company's strategy (**step 2**).

Of these identified suppliers, **71%** have been externally **evaluated on sustainability aspects** through EcoVadis (including those that are in process, pending analysis of the information provided).

Over the past year, the participation of our SME suppliers in the performance evaluation process through EcoVadis needs to be highlighted. The platform features questionnaires adapted according to the activity and size of the organisation assessed, as well as sharing of good practices and improvement plans that also help us to promote sustainability among smaller companies.

Key indicators of our evaluations

65 suppliers (business groups) with **corrective action plans**, totalling 885 actions (61% of them completed by the date of publication of this report).

84% have **anti-corruption and anti-bribery policies**.

65% have a **Sustainable Procurement Policy**.

72% have **ISO 14001 certification** for environmental management.

61% report their **energy use and GHG emissions**.

According to information available at the close of this report, **9 suppliers** were **blocked** in our database for reasons of **lack of compliance with ethical or sustainability aspects** (i.e. 100% of the suppliers identified as non-compliant - be it for social or environmental reasons - that have not yet remedied the situation or shown their commitment to implementing improvement plans to ensure compliance with our standards) (**step 3**).

In addition, we complement the risk management of our suppliers with audits that allow us to verify their level of compliance with the different sustainability aspects that we require of them, including respect for human rights.

In 2021 we conducted **17,960 administrative or on-site audits**. Given the results obtained in these audits, at the end of the year we had **610 suppliers with improvement plans** (7% of those awarded) – (**step 4**).

See breakdown of audits by theme in the table below.

Details of the Annual Audit Plan

Supplier type	Region/ country	Audits and improvement plans	Audited risk aspects						
			Ethical	Working conditio ns	Health and Safety	Supply chain manageme nt	Human rights(chi ld/forced labour)	Conflict minerals	Environmen t
ALLIES PROGRAMME Labour-intensive collaborator companies.	5 countries in Latin America ⁽¹⁾ and Spain	LOCAL • 7,069 administrative audits. • 10,190 on-site audits. • 256 suppliers with improvement plans.	✓	✓		✓			
	Brazil, Colombia and Spain	CORPORATE • 31 on-site audits. • 26 suppliers with improvement plans.	✓	✓	✓	✓	✓	✓	✓
JAC INITIATIVE Manufacturing centres in the ICT sector.	14 countries in Asia, Latin America and Eastern Europe	• 60 on-site audits: 62% on TIER 2 or 3 suppliers. • 50 suppliers with improvement plans.	✓	✓	✓	✓	✓	✓	✓
OTHER LOCAL AUDITS⁽²⁾ Due to risks associated with the product or service.	Brazil and the United Kingdom	• 170 administrative audits. • 135 suppliers with improvement plans.							✓
	Brazil, Colombia, Ecuador and Mexico	• 17 on-site audits. • 4 suppliers with improvement plans.							
	Brazil, Ecuador, UK and Germany	• 312 on-site audits. • 60 suppliers with improvement plans.		✓					
	Argentina, Brazil, UK and Germany	• 107 on-site audits. • 77 suppliers with improvement plans.							✓
	United Kingdom	• 2 on-site audits. • 2 on-site audits. • 2 suppliers with improvement plans.	✓	✓	✓	✓	✓	✓	
									Social
									Environment tal
Total audits per aspect								17,666	280
Suppliers with improvement plans								394	217

(1) Argentina, Brazil, Chile, Colombia and Venezuela.

(2) Includes only audits carried out by the United Kingdom from 1 January 2021 to 31 May 2021.

The decision on how to conduct on-site audits has always been subject to compliance with local mobility restrictions by COVID-19 and to ensuring at all times the health of the people involved in the process.

> Details of JAC audits (product manufacturers)

In total, 402 corrective action plans were developed as a result of the 71 audits carried out by the Joint Audit Cooperation (JAC) sector initiative in 2021 (60 of the audits were at Telefónica suppliers). The following graph shows the breakdown of these plans by topic.

Corrective action plans in 2021



The following table provides additional information on the four audited aspects with the most corrective action plans raised in this audit campaign.

Aspect	Non-compliance	Corrective actions	Status at year-end 2021
Health and safety	Some emergency exits not properly functioning/ installed.	Emergency exits can now be passed appropriately (i.e. doorways open outwards, that is, away from the room).	Closed
	No proper personal protective equipment used where required to control safety hazards and worker exposure.	Training to workers on proper use of personal protective equipment as well as supervision mechanism installed so that workers use them where required.	Closed
Working hours	Workers' overtime hours exceeded local legal requirements and their weekly working hours exceeded 60 hours.	Workers' overtime hours now in compliance due to corrective actions taken (reasonable production plan and work plan, signing of overtime hours by managers).	Closed
	Workers not ensured with one day off after six consecutive working days.	Workers now ensured one day off after six consecutive working days (better monitoring by managers, reasonable production plan and work plan).	Closed
Environment	No identification of opportunities/ measures to reduce greenhouse gas emissions and setting of corresponding reduction targets.	Development of energy savings plan with concrete measures and emissions targets.	Closed
	No systematic approach implemented to prevent pollution of stormwater runoff and illegal discharges and spills into the storm sewer.	Implementation of a management system for stormwater and wastewater discharge and daily maintenance.	Closed
Wages and Compensation	No regular review of workers' wages to ensure that living wage is being paid.	Completion of regular surveys/ reviews with workers to guarantee living wages	Closed
	Insufficient social insurance provided to workers.	Social insurance now provided to all workers.	Closed

> Details of corporate audits within the Allies programme (labour-intensive services)

We have maintained our high standards and focus our audit process within the Allies programme on three of the highest-risk countries (Brazil, Colombia and Spain). Throughout 2021, we audited 31 labour-intensive suppliers. As in previous years, a high level of compliance was achieved, above 86% in the following four areas being audited - responsible business principles, human

resources, health and safety, and environment. These results reflect the good work carried out by our Allies, despite the uncertainty generated by the pandemic.

If we consider the average number of risks per topic identified in each of the countries, the **health and safety** section is the one with the highest number: the risks are mostly related to the industrial hygiene and safety

sections, identification of legal requirements according to the activities carried out, and verification.

Regarding the **human resources** section, the most common risks have been detected mainly in compliance with the required percentage of staff with disabilities, lack of a work climate measurement programme, mechanisms for development of leadership skills, and formally established, non-monetary, recognition programmes.

In **environmental** processes, the most common risks were related to the environmental management system and on waste management.

Taking into account the potential social or environmental⁽¹⁾ impacts of the risks identified, the most significant issues were as follows:

The most significant social impacts are mainly concentrated in the verification, industrial hygiene and safety, and implementation and operation sections.

Meanwhile the environmental impacts are in the noise section.

(1) Significant social or environmental impacts are considered to be critical non-conformities identified during audits in each area.

> Tier 2, 3 supplier management

Our supply chain management goes beyond our direct suppliers.

At the end of 2021, in **Spain**, we launched the **Integral Prevention and Sustainability Project** aimed in this first phase at 95 Tier 2 suppliers. Through this initiative, we aim to assess and recognise the performance in prevention and sustainability – with a special focus on aspects related to **occupational risk prevention** – of the main subcontractors that collaborate with our contractors in the deployment and maintenance of our network. In this first phase, the project has an impact on the 1,472 employees of these subcontractors who provide us with these services.

In addition, under the framework of the **JAC initiative**, we put special focus on carrying out audits of manufacturers that supply components and/or equipment to our suppliers. In 2021, **62% of the audits were conducted at Tier 2 or 3 suppliers**.

2.16.6.2. Engagement in 2021

GRI 102-9, 403-7

For yet another year, we promoted new capabilities among our suppliers to improve their performance on key sustainability-related issues.

> Emissions in the supply chain

We work on emissions management in the supply chain, both globally and locally. Globally, we continued for another year with our **climate change partnership programme** with key suppliers to understand the state of

their climate strategies and help them set more ambitious emissions reduction targets. In this vein, we invited the most significant suppliers in terms of emissions to the CDP Supply Chain programme. Locally, our operation in Brazil implemented its own collaboration programme with 115 suppliers, representing 90% of its supply chain emissions.

We continue to participate in initiatives such as **1.5°C Supply Chain Leaders** to reduce CO₂ emissions from small and medium-sized suppliers, and in the **climate change working group of the JAC initiative**.

Telefónica has joined The Climate Pledge, pledging to achieve carbon neutrality by 2040 – a decade ahead of the date set in the Paris Agreement.



[Go to Chapter 2.2. Energy and climate change](#)

> Labour Conditions

In the new **Living Wage Working Group within the JAC initiative**, we are working to ensure a living wage in the ICT supply chain. Through the JAC protocol, which we apply to all audits conducted under the initiative, we ensure that suppliers pay a **fair and reasonable wage** to employees that is high enough to maintain a **decent standard of living**.

Also, under the **JAC initiative**, we collected **direct feedback** from 21,582 **employees** at 17 supplier factories through an **anonymous survey** on their own mobile phones. Thus, we evaluated issues related to working conditions, especially in matters concerning the number of hours worked, rest periods, harassment, discrimination, treatment and relationship with their direct manager, overtime, treatment of chemical materials, etc.

> Human Rights

We are part of the **Human Rights Working Group created in 2021 within the JAC initiative** to promote respect for Human Rights throughout our **value chain**. Together we analyse new regulations and trends that may have an impact on our suppliers, and implement initiatives to counteract potential risks in the ICT supply chain.

Supplier Development Programme

We regard our suppliers as partners and help them to meet our high sustainability standards. As a sign of this commitment, since 2019 we have been part of the Supplier Development Programme – together with other telecommunications operators – a training programme for key suppliers that goes beyond an audit.

The objective is to accompany the supplier for two years in order to improve its sustainability performance.

By participating in this programme, suppliers have been able, for example, to reduce worker turnover and workplace accidents in the factories, as well as improve employee satisfaction and productivity rates.



[Go to chapter 2.8. Human Rights](#)

> Responsible sourcing of minerals

Although we do not have direct business relationships with smelters or refiners, we work actively to strengthen control over the use of these minerals across our value chain.

1. Policy and clauses

Our Minerals Policy is set out in our Supply Chain Sustainability Policy and is based on the OECD Due Diligence Guidance on Minerals. All our suppliers have to accept this policy and therefore commit to responsible sourcing of minerals.

In addition, any supplier that submits an offer to us must meet minimum sustainability **requirements in the supply chain**, which are **set out in the Telefónica Group's General Conditions for the Supply of Goods and Services**. These include a contractual minerals clause whereby we require our suppliers to carry out effective due diligence processes to ensure traceability of 3TG minerals and mitigation of associated risks (such as human rights violations).

2. Identification and management of risk suppliers

A number of resources are available to identify, manage and monitor risk suppliers from a minerals perspective:

- We identify mineral risk suppliers according to our risk analysis methodology.
- We assess these suppliers' performance via the EcoVadis platform. In 2021:

94% had a **policy on conflict minerals**.

94% had implemented **actions to identify or mitigate the risks**.

76% of them had published a **report on due diligence**.

- In addition, **we request the submission of the CMRTs** (Conflict Minerals Reporting Template) of the Responsible Minerals Initiative (RMI) **from our key suppliers** in order to **increase transparency** on smelters and refiners used throughout the supply chain. We review supplier responses and define corrective actions plans for identified risks, which are followed up.
- We also check the compliance of some of our equipment manufacturers with audits within the JAC industry initiative.

3. Commitment initiatives

We support and participate in major international and sector initiatives to reduce this type of risk, such as:

- Responsible Minerals Initiative** (RMI): our activities regarding smelters and refiners are supported by industry initiatives such as the RMI, in which audits are performed, best practices shared and stakeholder dialogue promoted.
- Public-Private Alliance for Responsible Minerals Trade** (PPA): we participate in the PPA, a multi-sector, multi-stakeholder initiative that improves conflict-free mineral supply chains.

4. Complaints

We have a Concern and Whistleblowing Channel through which our stakeholders can consult us and submit complaints in this regard.

5. Information

We report on the due diligence of the supply chain through different channels (this report, the website, dialogue with stakeholders, etc.).

Furthermore, as a company listed on the New York Stock Exchange, we comply with Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

> Occupational risk prevention

Once again this year, we have focused on fostering best practice regarding **safety, health and well-being** in our **supply chain**, with a particular **focus on contractors** who assist us in the deployment and maintenance of the network, activities where the main risks are concentrated (working at heights, electrical risk and confined spaces).

During 2021, in the face of persistent uncertainty caused by COVID-19 among workers, we maintained with our suppliers a series of initiatives we adapted according to the evolution of the pandemic at any given time in different countries:

More intensive and targeted communication aimed primarily at technicians in contracting companies.

Inclusion in the usual communication channels of support information for companies to consider measures to mitigate, for example, the risk associated with teleworking, ensuring actions from the physical (workplace), cognitive (emotional support) and organisational (tools) axes.

Occupational health and safety **audits** in the countries, in order to verify compliance with the new protocols established for prevention and safety in order to avoid infection.

Follow-up and monitoring of possible infections among our collaborators.



PRL+ Project at Telefónica España

> What is it?

Initiative for the coordination of business activities, which seeks to create a community of dialogue, sharing practices, addressing queries, proposals for improvement, etc., on an equal footing between supplier and customer.

> Targets

Identify levers that lead to a reduction in the number of detected OHS defects and the volume and severity of workplace accidents - #zeroaccidents. Encourage participating companies to conduct audits of their own suppliers.

> 2021 results

100% of the companies met the monitoring target, and some even exceeded it.

Accident frequency rate (in labour) of 1.02, improving on the target of 1.10.

> Diversity

We promote diversity and non-discrimination among our suppliers, as stated in our Policy.

We participate, for example, together with our main **contractors in Argentina, Colombia, Peru and Venezuela**, in the **Mujeres en Red (Women in Network)** initiative. Through it, the aim is to promote the **training and employability of women** with technical profiles in the telecommunications sector, promoting **equal opportunities** in roles where female participation is a minority. This is carried out through comprehensive training, which is both technical and emotional. For example, specific workshops on women's empowerment or unconscious bias, with more than 400 techniques and 2,600 people trained in the 4 countries.

> Training and communication

Also, complementing the training of our buyers and internal contract managers, we maintained our **supplier training and communication channels with our suppliers** for another year.

9,134 in-person courses and 203,724 online courses involving more than 516,669 participants from partner companies in Latin America.

This training was delivered in-person or online (SuccessFactors, Movistar Academy, ICampus, etc.) for our suppliers, addressing the specific needs in each country and the most critical issues according to the service they provide us with. For example, in **Colombia**, we invite our call centre, loop and commercial agent Allies to take the **digital security course**. This will help us to **keep information secure**, implementing good practices for security in the workplace, creating secure passwords or security in our environment, among other controls. In **Mexico**, we conducted more than 23 sessions with 17 suppliers, where we **trained them in the environmental criteria** they must comply with, with a **special focus on waste management**.

We also promote continuous communication as a key lever to foster their motivation through different channels, such as our quarterly newsletter to Allies, the Allies' Portal and the Supplier's Portal. The Supplier's Portal contains all our global policies, as well as specific local requirements.

Our suppliers have a confidential channel for queries and complaints related to compliance with our Minimum Standards for Responsible Business.

We also organise in-person and online events (global and local) with suppliers, such as:

12th Telefónica Global Energy and Climate Change Workshop

An annual meeting point for leaders of the Company's energy transformation and the main collaborating companies in the field. This is a meeting that reviews and sets out the challenges for the Company in this area. During three working days, multiple initiatives from our different markets were broken down, focused on reducing fuel consumption and the impact of refrigerant gases, on promoting the shutdown of legacy networks or implementation of innovative energy efficiency projects, such as Liquid Cooling, the use of artificial intelligence to optimise energy during off-peak hours or the first Telefónica Forest, among other proposals. In addition, for yet another year, the Company's **climate change objectives were reviewed**, where the **importance of**

the work carried out by our suppliers to achieve them was made clear.



[Go to chapter 2.2. Energy and climate change](#)

10th CSR Forum

As part of the Joint Audit Cooperation (JAC) sector initiative, we took part in the 10th CSR Forum, which connected more than 450 participants (sustainability and purchasing professionals from major telecommunications operators, ICT sector suppliers, CSR institutions, NGOs and researchers). The session explored **regulatory trends, new requirements and best practices** shaping sustainable supply chain management in 2021. This collaboration in the ICT sector aims to create growth and impact in line with growing legislative and consumer demands on **human rights, circular economy and carbon reduction**. Awards were also presented to the companies that have demonstrated the highest commitment, on this occasion, to their own supply chain management.

Supplier Workshop 2021 in Brazil

70 companies participated, with critical activities in emissions. The main theme of the event was climate change management, sharing with our suppliers both our **plan to reduce CO₂ emissions in the value chain** and our commitment to a low-carbon future. We also shared our main policies impacting our supply chain with them, conveying the **importance of sustainability management in organisations**.

Meeting with Allies in Argentina, "from a commercial relationship to a relationship of trust"

As part of our **commitment to ethics and integrity**, the Human Resources, Sustainability and Compliance Areas held a meeting with our suppliers in which **we shared our Integrity Programme and Responsible Business Principles, with a focus on diversity and inclusion**. We could also count on the participation of one of our suppliers who presented his experience in implementing gender equality measures.

Workshop in Argentina on violence and harassment at work

We invited loop contract providers (network deployment and maintenance) to a best-practice-sharing workshop on the challenges of **implementing Convention 190 organised by the ILO on violence and harassment in the world of work in Argentina**. In this way, we are reinforcing the commitment we have with our suppliers to work hand in hand on different issues included in our Sustainability Policy in the Supply Chain.

Summary of key indicators

GRI 204-1, 414-2, 308-2

	Indicators	2020	2021
Activity	Volume of purchases awarded	24,268M	23,737M
	Awarded suppliers	9,038	9,368
	% of purchases awarded locally	77%	81%
Ethics and compliance	Sustainability risk suppliers identified in our global analysis ⁽¹⁾ .	1,700	810
	% Risk suppliers assessed on sustainability aspects through EcoVadis ⁽¹⁾ .	68%	71%
	% Suppliers evaluated Dow Jones Risk & Compliance	100%	100%
	Suppliers blocked on grounds of non-compliance with ethical or sustainability aspects	9	9
	Total supplier audits	16,105	17,960
	High-risk suppliers with improvement plans	560	610

(1) In 2021, we implemented an adjustment to the analysis methodology in order to focus on those suppliers with a significant impact on the business as well as on the Company's strategy. However, due to the exercise carried out during 2021 to adapt the exhaustiveness of the calculation, this methodology differs from the calculation carried out in 2020, so comparability between the two exercises is not guaranteed.



MILESTONES

We continued minimising sustainability risks within the procurement process, with 100% of our suppliers accepting our sustainability standards as part of their contractual obligations, and assessed our high-risk suppliers through an external sustainability assessment (EcoVadis).

In collaboration with the other telcos in the JAC initiative, we audited 71 companies in the ICT sector and surveyed 21,582 employees in 17 supplier factories, thus working at different levels of our supply chains.

We reduced 27% of CO₂ emissions from our value chain compared to 2016, with emissions from our supply chain being the most relevant to our Scope 3 (64%).

2.17. Appendix

2.17.1. Telefónica stakeholders

GRI 102-40, 102-42

Telefónica makes accessible and secure networks and services available to people and organisations so that they can express themselves, share, work collaboratively and enjoy... Based on the relationship model that brings us together, we distinguish seven key stakeholders:

1. **Customers:** customers of all our brands, both residential and business, together with all customer-representation bodies.
2. **Employees:** own employees, active and former employees, associations and unions representing workers' interests.
3. **Strategic partners and suppliers:** key companies for the development and provision of our services, as well as supplier companies and bodies and associations representing supply chain interests.

4. **Shareholders and analysts:** Companies that invest in Telefónica and/or analyse its sustainable profitability.
5. **Government entities and regulators:** local, national and international organisations.
6. **Opinion leaders, media and communication services:** influencers, press, communication, brand and advertising agencies.
7. **Society (including communities, NGOs, sustainability organisations, business and consultancy associations):** affected local, regional and national communities, as well as special groups, non-governmental organisations (NGOs), companies, think-tanks, business schools and universities.

2.17.2. Types of involvement and relationship with our stakeholders

GRI 102-21, 102-43

TYPE	DESCRIPTION	TARGET	SAMPLE
Report/publicise	Mainly one-way communication from the Company to its stakeholders regarding practices or new developments by which they may be affected. Sharing information can influence the parties involved, creating trust and demonstrating transparency and a willingness to engage.	Keeping them promptly and regularly informed: newsletters, letters, bulletins, reports, presentations, speeches, videos, reports, interviews and open days...	Transparency.
Consultation	Telefónica asks stakeholders their opinions to identify trends, evaluate impacts, ascertain risks and take decisions. The main information flow is one-way, but has often led to more detailed conversations.	Measure and evaluate: surveys, focus groups, assessments, public hearings, workshops, discussion forums and hot-lines.	Transparencia y escucha: pone en valor los comentarios y puntos de vista de los grupos de interés.
Participation/dialogue	A two-way and/or multi-party conversation in which stakeholders play a more important role in decision-making. The conclusions are implemented and/or referred up through the Company's hierarchy.	In-depth debate: Consultancy Board, established work groups, interviews, research and analysis.	Transparency. Listening Monitoring committee – Collaboration.

Collaborate	Collaboration between two or more parties in an area of mutual interest. The Company and its stakeholders establish synergies and reduce risks by combining resources and areas of expertise.	Active collaboration: establishment of joint committees, joint ventures with stakeholders, alliances, collective bargaining.	Transparency. Listening Commitment. Positive relations based on a common goal.
Empower/engage	Stakeholders have a formal channel to influence the Group's corporate governance and decision-making processes.	Sharing responsibilities: stakeholder representation on the Board of Directors, specific channel for reporting breaches of policy and existence of guarantees.	Effective Engagement: sharing purpose and responsibilities.

2.17.3. Material issues

GRI 103, 102-47

Social capital	Customers and responsible marketing	Quality	Fast networks, good coverage and sufficient bandwidth for the requirements of today's society...). Ensure network stability and reliability of services (speed, connection, etc.).
		Transparency	Easy-to-understand invoices. Same service and attention in all channels (make arrangements, solve problems through any channel).
		Client service	Provide a service that is tailored to our customers' needs, offering good quality at an appropriate price. Ensure consultation and management channels are in place to make customer service fast and easy. Rapid, effective and satisfactory resolution of incidents. Fast, effective and satisfactory resolution of incidents
		Responsible and sustainable marketing	Products and services accessible for all (e.g. people with disabilities, seniors).
		Responsible advertising	Responsible and inclusive advertising.
Social inclusion		Digital inclusion	Have products and services that are affordable for everyone, including those with fewer resources or in special situations.
		Digital divide	Commitment to deploy the network to reach all people, even in remote places.
		Media literacy (including IT and minors):	Awareness-raising and training for all groups so that they can make use of new technologies. Protect minors from misuse of technology by establishing the necessary controls and raising awareness of the benefits and dangers of technology use.
Customer privacy	Data protection		Guarantee the privacy and proper use of our customers' data in a digital environment.
Cybersecurity	Cybersecurity		Cyber-security and personal data protection (create a secure digital environment, put in place strategies to minimise and manage risks).
Human rights and community relations	Human rights		Promote respect for and promotion of human rights among all stakeholders (including freedom of expression, new digital rights and ethical use of artificial intelligence etc.). Have good channels for consultation and complaints. Encourage dialogue and relations with stakeholders to involve them in management (actions aimed at involving the main agents in our daily management, including alliances, relations with the media, institutions, entities, investors).

Human capital	Work practices	Attraction and retention of talent	Focus on the acquisition, retention and development of talent.
	Fair remuneration	Operate fair and attractive remuneration schemes.	
	Freedom of association and equity of the employee	Facilitate freedom of association and employee participation.	
Commitment to employees, diversity and inclusion	Diversity, equality and non-discrimination	Foster gender equality, diversity, equal opportunities and non-discrimination. Take action to prevent and eliminate workplace harassment. Keep in mind the ageing population and its effect on the company (e.g. measures for employees over the age of 50 years).	
	Professional development	Train employees to adapt to the new digital environment (make digital tools available to employees to improve their productivity, develop the right skills demanded by today's market, etc.).	
	Culture	Internal behaviours, processes and objectives aligned with ethical, environment-friendly and responsible conduct towards employees, customers and society in general.	
Employee health and safety	Employee health, safety and well-being	Offer new, more flexible work methods for employees by facilitating family reconciliation (flexibility, teleworking, digital switch-off outside the office...). Concern for employees' health, safety and well-being.	
Business model and innovation	Sustainable products and services (including Eco Smart services)	Sustainable products and services (including Eco Smart services)	Offer new, more flexible work methods for employees by facilitating family reconciliation (flexibility, teleworking, digital switch-off outside the office...). Concern for employees' health, safety and well-being. Products and services to help customers increase their energy efficiency and sustainability.
Conflict minerals	Conflict minerals	Work with suppliers who do not use minerals from conflict zones.	
Management of the supply chain	Ethical and fair relations with suppliers	Have payment terms and conditions that facilitate the economic sustainability of its suppliers.	
	Responsible supply chain and procurement management	Work with suppliers that meet social and labour standards, including health and safety conditions, working hours and decent pay. Have ethical, environmental and human rights standards in place in the procurement process (ethical, anti-corruption, environmental, etc.). Work with suppliers who are climate-aware and reduce their own emissions.	
Resilience of the business model	Local economic contribution and inclusive growth	Development of local suppliers, especially SMEs and local procurement.	
	Sustainable finance	Report new financial indicators based on sustainability criteria, encourage the growth of sustainable activities, actively engage with all stakeholders on environmental and social objectives under development.	
Physical impacts of climate change	Physical impacts of climate change	Manage the risks and opportunities associated with the direct exposure of assets and operations owned or controlled by the Company to actual or potential physical impacts of climate change. Understand the environmental and social issues that can arise from operational disruptions due to the physical impacts of climate change.	

Business ethics	Ethics and integrity	Comply with ethical and responsible business practices, including anti-corruption and anti-bribery measures. Promote ethical audiovisual content.
	Governance, accountability and culture	Transparency and truthfulness of information, adequate and accessible to all stakeholders. Maintain a transparent and balanced relationship with Government/Administration. Diversity in the composition of the Board of Directors. Provide accurate and complete information on social and environmental actions.
	Artificial intelligence	Ensure due diligence on systems using artificial intelligence.
	Management of the legal and regulatory environment	Comply with current legislation and the Company's internal policies and regulations. Tax contingencies and fiscal transparency.
	Competitive performance	Responsible pressure on stakeholders (lobbying) and anti-competitive practices.
	Systemic risk management	Management of the Company in addressing ESG-related risks that could impact stakeholder perceptions.
	Critical incident risk management	Have an action plan in place for maintaining communications in emergency situations (natural disasters or major incidents).
	Energy and emissions management	Reduce carbon emissions to reduce their impact on the planet. Be energy-efficient and use clean energy (renewable energy and energy efficiency). Contribute to the fight against climate change.
	Ecological impacts	Management of the Company's impacts on ecosystems and biodiversity through activities including, but not limited to, land use for exploitation and extraction, as well as the development, construction and siting of projects. Among others, impacts include biodiversity loss, habitat destruction and deforestation at all stages: planning, land acquisition, permits, development, operations and site repair. The category does not cover the impacts of climate change on ecosystems and biodiversity.
Air quality	Noise	Telefónica's activity does not produce significant polluting emissions (NOX, SOX, particles) to the atmosphere, although we do work to reduce emission sources (fossil fuel consumption) in line with the climate change strategy. Aspects such as noise are also managed via certified environmental management systems.
Water and wastewater management	Water	Address water use and consumption, wastewater generation and other impacts of operations on water resources. Wastewater treatment and discharge management, including groundwater and aquifer pollution.
Waste and hazardous materials management	Circular economy (including electrical and electronic waste)	Manage and process electrical and electronic equipment waste. Ecodesign, resource optimisation (including water and plastics) and reuse and recycling. New business models based on the circular economy.

2.17.4. Structure and scope of consolidation of non-financial information

GRI 102-10, 102-45, 102-48, 102-49

> The origin of non-financial information

Non-financial information for the Group is reported without figures for Central America, unless specifically indicated.

Economic and financial information

It comes from the same sources that produce the information included in the Group's Consolidated Annual Accounts Report, audited by PwC.

Customers

This comes from the management control systems of Telefónica S.A. and from operations in the countries. The number of the Company's total accesses does not have to coincide with the partial sum, country by country, since the Corporate Management Control Area uses consistency criteria to standardise certain access-counting criteria.

Employees

The figure comes from corporate human resources management systems and local management areas. In cases where consolidated information is given, the number of persons is used as a factor of proportionality.

Environment and climate change

The information comes from online questionnaires and other IT media from the Environment and Global Operations Areas and each country. Environment and energy data is consolidated by simple addition and, in the case of climate change, calculated by multiplying the activity data by the emission factor and then adding by simple addition. The sources of the emission factors are of recognised prestige (GHG Protocol, DEFRA, ministries, etc.) and have been validated by an independent third party (AENOR).

Historical environment and climate change figures are reported without Central America and thus have the same perimeter as the figures for 2020. In addition, to ensure comparability with the information reported in previous reports, a table has been included with the main environmental KPIs incorporating Central America for the year.

Suppliers

This comes from the system for awarding contracts through the purchasing areas. The information is consolidated without applying any criteria as a factor of proportionality and it is shown according to country. The chapter containing this information covers the entire economic perimeter of the Telefónica Group. It is important to highlight the difference between the procurement data in the Consolidated Financial Statements (in accordance with the accrual method and Telefónica Group's accounting consolidation perimeter) and the criterion of purchases awarded as used in different sections of this report. This refers to purchases

approved in the period, regardless of how they are accounted for, and accrued as an expense.

> Corporate perimeter

A list of the companies comprising the Telefónica Group, their names, main corporate purpose, country, share capital, percentage of effective ownership by the Group and the company or companies through which the Group's shareholding is obtained can be found in Appendix I to the 2021 Consolidated Financial Statements.

During 2021, a review was made of the corporate reporting perimeter of the main non-financial indicators. These indicators have been grouped into the following categories according to their nature and subject matter:

- Climate change
- Circular economy
- Sustainable products
- Net Promoter Score (NPS)
- Human capital
- Anti-corruption, whistleblowing and responsible business
- Tax
- Human rights
- Anti-corruption training
- Training in Responsible Business Principles
- Reputation
- Impact
- Security
- Privacy
- Privacy/security audits
- Suppliers
- Competitive behaviour and open Internet
- Shareholders

For each of these categories, based on both internal and external information (e.g. non-financial regulations or the main reporting standards), specific criteria have been identified to estimate the corresponding corporate scope.

> Other information

All information in this report is given in euros, unless otherwise stated. The exchange rates applied coincide with those used in the preparation of the Group's Consolidated Financial Statements to facilitate the integral relationship between financial and non-financial variables.

Due to its strategic importance for the company, the Report contains several specific indicators corresponding to VMED O2 (Virgin Media O2), the joint venture created in the United Kingdom between Telefónica UK and Virgin Media UK. This entity began operating on June 1st 2021 and the external auditor has not verified its non financial information.

2.17.5. Principles for the preparation of the Non-Financial Information (NFI)

GRI 102-12, 102-32, 102-46, 102-54

This Non-Financial Information Statement forms part of Telefónica's 2021 Management Report and includes the progress made at the Company during the year in economic, social and environmental matters across its value chain, together with its strategic, development and market positioning so that readers can better understand the sustainability of our business model and its materiality, its capacity to generate value in terms of capital and the interaction with stakeholders.

The statement has been evaluated and approved by the Board of Directors as it forms part of Telefónica's 2021 Management Report.

Telefónica provides all stakeholders with all its public information in order to provide reliable, material, concise and comparable information on the Company's performance, its business model, value levers and strategies for the coming years.

Telefónica reports Non-Financial Information according to the following standards:

a. Following the recommendations of the IIRC (International Integrated Reporting Council) and in accordance with the GRI Standards (comprehensive option).



[See GRI Standards Compliance Table in section 2.17.9. of this same chapter](#)

b. In accordance with Law 11/2018 of 28 December, which amends the Commercial Code; the revised text of the Corporations Act approved by Royal Legislative Decree 1/2010 of 2 July, and Law 22/2015 of 20 July on the Auditing of Accounts in terms of Non-Financial Information and diversity. Both compliance with the law and the GRI option have subsequently been subject to external verification by PwC.



[See Spanish Law 11/2018 Compliance Table in section 2.17.9. of this same chapter](#)

c. According to the SASB (Sustainability Accounting Standards Board) Telecommunication Services Sustainable Industry Classification System® (SICS®) TC-TL standard.



[See SASB Standards Compliance Table in section 2.17.10. of this same chapter](#)

d. The environmental report follows the recommendations of the Task Force on Climate-Related Financial Disclosures (TCFD).



[See TCFD Compliance Table in section 2.17.8. of this same chapter](#)

e. In addition, the review of the EINF has been made by PwC according to the principles defined by the AA1000AS Standard, values that seek to "ensure the quality of the organisation's Sustainability Report and of the processes, systems and competencies applied as the basis for its execution by the entire organisation".

In addition, Telefónica reports on its commitment to the following international treaties and objectives:

- a. United Nations Universal Declaration of Human Rights.
- b. United Nations Sustainable Development Goals (SDGs) (see chapter 2.8).
- c. Covenant on Civil and Political Rights.
- d. Covenant on Economic, Social and Cultural Rights.
- e. Convention on the Rights of the Child.
- f. Convention on the Rights of Persons with Disabilities.
- g. Conventions of the International Labour Organisation.
- h. Basel Convention (hazardous waste).
- i. International Guidelines (ICNIRP).
- j. Montreal Protocol.

> Principles for the preparation of the report

Stakeholder inclusion

The chapter on 'How we relate to our stakeholders' identifies these groups and explains how, within reason, Telefónica has responded to their expectations and interests.

Sustainability context

Telefónica contributes to the progress of the communities in which it operates and their social and environmental sustainability throughout its value chain and at local, regional, national and international levels: from working with our suppliers to respecting consumer rights, including marketing sustainable products and services.

Materiality

This addresses issues that reflect the Company's significant economic, environmental and social effects and substantially influence our stakeholders' assessments and decisions. To this end, a materiality analysis has been performed at corporate, local and regional level from a dual perspective: relevance to our stakeholders and impact on communities.

Completeness

We indicate the material aspects and their coverage, scope and time to show their significant economic, environmental and social effects. In this way, stakeholders can analyse Telefónica's performance during the period under analysis.

Impact

We show the Company's impacts on society and the environment of the communities in which we operate.

2.17.6. UN Global Compact Commitment

GRI 103

Through its Chairman, Telefónica has been a signatory to the United Nations Global Compact (UNGC) since 2002. The UNGC is a voluntary framework for companies to align their operations and strategies with the 10 principles on human rights, labour, the environment and anti-corruption.

		Principles	Chapter of the report
Human rights	Principle 1.	Businesses should support and respect the protection of internationally-proclaimed human rights.	2.8. Human rights 2.9 Responsibility in our products and services 2.16 Responsible supply chain management
	Principle 2.	Businesses should make sure they are not complicit in human rights abuses.	2.8. Human rights 2.16 Responsible supply chain management
Labour standards	Principle 3.	Businesses should uphold the freedom of association and effective recognition of the right to collective bargaining.	2.6. Human capital 2.8 Human rights 2.16 Responsible supply chain management
	Principle 4.	Businesses should support the elimination of all forms of forced and compulsory labour.	2.8. Human rights 2.16 Responsible supply chain management
Environment	Principle 5.	Businesses should support the effective abolition of child labour.	2.8. Human Rights 2.16 Responsible supply chain management
	Principle 6.	Businesses should support the elimination of discrimination in respect of employment and occupation.	2.6. Human capital 2.16 Responsible supply chain management
Anti-corruption	Principle 7.	Businesses adopt a precautionary approach in favour of the environment.	2.1. Responsibility with the environment 2.2. Energy and climate change 2.3. Circular economy 2.4 Digitalisation and Eco Smart services 2.9 Responsibility in our products and service 2.16 Responsible supply chain management
	Principle 8.	Businesses should undertake initiatives to promote greater environmental responsibility.	2.2. Energy and climate change 2.3. Circular economy 2.4. Digitalisation and Eco Smart services 2.9 Responsibility in our products and services 2.16 Responsible supply chain management
Anti-corruption	Principle 9.	Businesses must encourage the development and dissemination of environmentally friendly technologies.	2.4. Digitalisation and Eco Smart services 2.9 Responsibility in our products and services
	Principle 10.	Businesses should work against corruption in all its forms, including extortion and bribery.	2.12. Ethics and compliance 2.16 Responsible supply chain management

2.17.7. Collaboration with other associations

GRI 102-13

Telefónica collaborates with associations and other organisations which have a direct impact on our sector and interest groups. In particular:

5G Automotive Association, a global, cross-industry organisation of companies from the automotive, technology and telecommunications industries. Its aim is to develop integrated solutions for future mobility and transport services to avoid incompatibility problems from the outset.

Adigital, Spanish Association of the Digital Economy, business organisation that promotes the digitalization of the Spanish economy. Formed by a network of more than 500 companies from key sectors, it promotes the development of the digital economy through the representation and defence of our associates' interests (Policy), the dissemination, research and creation of synergies (Labs) and the generation of trust in the digital environment (Trust).

AECA, an organisation that issues generally accepted accounting principles and standards and studies on good business practices.

AENOR, a Spanish organisation that carries out standardisation and certification (S+C) work to improve quality in companies and the well-being of society.

Alliance to Better Protect Minors Online, a self-regulatory initiative aimed at improving the online environment for children and young people.

American Society, operates as a non-political, non-profit organisation and strives to be the focal point for people interested in developing and maintaining business and social relationships in an international environment.

ASIET, an association formed by the main telecommunications operators in Latin America.

Aspen Institute Spain, an independent foundation dedicated to promoting value-based leadership and reflection on critical issues for the future of society. It provides a plural and balanced forum for the discussion of issues of general interest among people who aspire to put their ideas into practice. Its activities focus on programmes, seminars and conferences.

Bitkom, the digital association of Germany. Founded in Berlin in 1999, it represents over 2,700 companies in the digital economy. Members include over 1,000 SMEs, more than 500 start-ups and virtually every global player.

Broadband Forum, a non-profit industry organisation focused on improving broadband networks to make them faster and smarter.

Business Europe, a European employers' organisation set up by national organisations and currently representing 40 organisations from 34 countries.

CAF, the Latin American Development Bank, a multilateral financial institution whose mission is to support the sustainable development of shareholder countries and regional integration. It serves the public and private sectors, providing multiple financial products and services to a broad portfolio of clients, including governments of shareholder states, financial institutions and public and private companies.

Casa de América, a public consortium that aims to strengthen the links between Spain and the American continent, especially with Latin America. Its events, which are open to the public, are attended by members of governments from both sides of the Atlantic, the media, diplomats, businesses, representatives of the cultural and academic world and institutions.

CDP, a non-profit organisation that runs the global disclosure system for investors, companies, cities, states and regions to manage their impact on the environment.

CEOE, an institution representing Spanish entrepreneurs.

Chefsache, a German network of leaders committed to making gender equality a top management priority.

ClosinGap. This group seeks to be an engine of social and economic transformation that helps facilitate the personal and professional development of women to guarantee equal opportunities.

Confederación Estatal de Personas Sordas (CNSE) defends the interests of hearing-impaired people and their families.

Corporate Excellence, a knowledge centre comprising the main Spanish corporations, its goal is to become a technical benchmark in the management of intangibles and sustainability.

Corporate Integrity Forum, an initiative that forms part of Transparency International's International Business Integrity Forum Network and brings together large enterprises fully committed to the promotion and development of a business culture of integrity. They stand as national and international benchmarks in transparency, compliance, sustainability, ethics and good governance through the adoption of best practices in all these areas.

Cotec Foundation for Innovation, a private non-profit organisation whose mission is to promote innovation as an engine of economic and social development. In fulfilling its mission, Cotec is involved in two primary activities: working as an observatory for R&D&I in Spain; and providing analysis and advice on innovation, technology and economics.

Cyber Threat Alliance (CTA), an organisation committed to our mission of ensuring a safer digital ecosystem through collaboration and information-sharing. Their experience as individuals bridges the gap between technical infrastructure, policy and communications; together, they are the foundation of our success.

DigitalES, the Spanish Association for Digitalisation, brings together the main companies in the technology and digital innovation sector in Spain. The aim of DigitalES is to promote the digital transformation of citizens, companies and public administration, thus contributing to the economic and social growth of Spain.

EIT Health is situated in a privileged location, at the meeting point between business, research and education, to bring to the market real and innovative health solutions that improve citizens' health.

ERT, European Round Table of Industrialists, an informal forum that brings together up to 50 CEOs and presidents of major European multinational companies.

ETNO, an association of the main European telecommunication network operators.

ETSI, European Telecommunications Standards Institute.

European Commission (EC), the institution that embodies the executive branch of Community power.

Federación Estatal de Lesbianas, Gais, Trans y Bisexuales (FELGTB) de España, which defends and promotes human rights and equal opportunities for LGBT+ people.

FIWARE Foundation, an independent legal body that provides shared resources to help achieve the FIWARE mission by promoting, increasing, protecting and validating FIWARE technologies and the activities of the FIWARE community, empowering its members, including end-users, developers and other stakeholders throughout the ecosystem.

Fundación Carolina, a reference institution for the promotion of cultural relations and cooperation between Spain and the countries of the Ibero-American Community, particularly in the fields of science, culture, technology and innovation.

Fundación Euroamérica stimulates cooperation and understanding between European and Latin American institutions, companies and personalities to foster relations between Europe and America.

Fundación Máshumano, an organisation that promotes the humanisation of management models in business and social organisations, proposing work models that respond to the social need to reconcile personal, family and professional life.

Global Compact, a United Nations initiative that promotes the implementation of 10 universally-accepted principles in the areas of human rights, labour standards, environment and anti-corruption.

Global Digital Women (GDW), an international body of digital pioneering women whose aim is the networking, visibility and empowerment of inspiring digital minds of our time. GDW offers #femaledigitalheros in companies, politics, associations and organisations a platform and space to exchange experiences and make their careers visible.

Global Network Initiative (GNI), a coalition of companies, civil society organisations, investors and academics working to protect and promote freedom of expression and privacy in the Information and Communication Technologies (ICT) sector.

GSMA, an organisation of mobile operators and related companies dedicated to supporting the standardisation, implementation and promotion of the mobile phone system. It has approximately 800 mobile operators and more than 200 related companies as members.

Hermes Institute, a non-profit foundation dedicated to identifying, disseminating and defending digital citizenship rights.

IBGC - Instituto Brasileiro de Governança Corporativa, the leading voice in corporate governance in Brazil and one of the main institutions in the world to advocate high standards of corporate integrity, addressing entrepreneurs, business leaders, investors, board members, executives and politicians.

ICT Coalition, works for the development of products and services that address the challenge of child safety in the online world.

IDB (Inter-American Development Bank), the leading source of development finance in the region. It aims to improve quality of life in Latin America and the Caribbean in priority sectors such as health, education and infrastructures through financial and technical support for countries working to reduce poverty and inequality. Its vision is to achieve development using sustainable and climate-friendly methods.

Information Security Forum (ISF), an independent information security body.

Internet Watch Foundation, an NGO that locates and reports images of child sexual abuse globally.

ITU (International Telecommunication Union), the United Nations specialised agency for Information and Communication Technologies (ICT).

Joint Audit Cooperation, a sector-wide initiative of 17 telecommunications operators that have joined forces to

verify, assess and develop the implementation of sustainability standards in common supplier factories.

LGBTI+ Business Forum. Promotes the integration of LGBT+ people into society and the workplace.

Media Chicas, a non-profit organisation with the mission of bridging the digital gender gap through the democratisation of knowledge.

Mobile UK, the association of UK mobile network operators: EE, O2, Three and Vodafone. Mobile UK's mission is to work with government, regulators, civil society and others to harness the power of mobile devices, improve the lives of customers and the prosperity of the UK as a whole.

OECD, the organisation that promotes policies to improve the economic and social well-being of people around the world.

ONCE Foundation, an organisation dedicated to the social and labour inclusion of people with disabilities.

O-RAN Alliance, its mission being to reshape the RAN industry towards more intelligent, open, virtualised and fully interoperable mobile networks. The new O-RAN standards will enable a more competitive and vibrant RAN vendor ecosystem with faster innovation to improve user experience. O-RAN-based mobile networks will simultaneously improve the efficiency of RAN deployments and mobile operators' operations.

Organismo Internacional de Juventud para Iberoamérica, an international organisation made up of 21 Ibero-American countries, focused on cooperation in youth matters.

Pride Connection, a network that seeks to promote inclusive work spaces for sexual diversity and generate links to attract LGBTI talent to the various organisations that make up the network.

Randstad Foundation, its mission being to achieve equal employment opportunities for people with disabilities.

RE100, a global initiative to involve, support and highlight large enterprises committed to using 100% renewable energy, demonstrating leadership in the fight against climate change and development of a low-carbon economy.

Real Instituto Elcano, a think-tank for international and strategic studies from a Spanish, European and global perspective. Its purpose is to promote knowledge of the international reality and Spain's foreign relations in society, as well as to stand as a focus point for thought and the generation of ideas that are useful for decision-making by political leaders, leaders of private enterprise and public institutions, social players and academics.

Red Empresarial por la Diversidad e Inclusión LGBTI (REDI), the network of companies and professionals

committed to fostering an inclusive and respectful environment in organisations in Spain, where talent is valued regardless of identity, gender expression and sexual orientation.

Responsible Business Alliance, an ICT industry coalition dedicated to corporate social responsibility in global supply chains.

Spanish Green Growth Group, an association that aims to address environmental challenges through public-private partnerships.

Spanish Royal Academy of Engineering, an institution at the forefront of technical knowledge, which promotes excellence, quality and competence in Spanish engineering in its various disciplines and areas of action. Its activities include the "Women and Engineering" programme in which Telefónica collaborates.

Tele Management Forum provides an open and collaborative environment, together with practical tools and information to assist its members in their digital transformation initiatives. Its services include Catalyst collaborative programmes and proof-of-concept projects, industry research and benchmarking, technology roadmaps, best practice guides, business process guidelines and open APIs, as well as certified training, conferences and research. The forum has more than 850 member companies, including the 10 largest telecommunications service providers in the world.

United Nations, organisation, founded by 51 countries committed to maintaining international peace and security and promoting social progress, better living standards and human rights.

United Nations Development Programme (UNDP) works to eradicate poverty and reduce inequality and exclusion.

UN Women develops programmes, policies and standards to uphold women's human rights and ensure that all women and girls reach their full potential.

Will Women in Leadership in Latin America, its mission being to promote the career development of women in Latin America and encourage companies based in the region to implement programmes for women in business to promote the exchange of best practices.

Women in Agile, a non-profit organisation to network, promote and support the work of outstanding women in the agile community.

World Bank, a vital resource for financial and technical assistance for developing countries around the world.

World Tourism Organization (WTO), a specialised agency of the United Nations whose purpose is to promote and develop tourism as an important instrument

for world peace and understanding, economic development and international trade.

2.17.8. Table of Climate-related Financial Disclosures (TCFD)

GOVERNANCE

Disclose the organization's governance around climate-related risks and opportunities.

Recommendations	References
a) Describe the board's oversight of climate-related risks and opportunities.	2.2. Energy and climate change. Governance. Page 71 -72 2.11. Governance and sustainability culture. Pages 190-193 3.1. Risk management framework. Pages 308 -315 4.4. The organisational structure of the administrative bodies: Sustainability and Quality Committee. Pages 389-391 CDP Climate responses 2021: C1.1b
b) Describe management's role in assessing and managing climate-related risks and opportunities.	2.2. Energy and climate change. Governance. Page 71 -72 2.11. Governance and sustainability culture. Pages 190-193 3.1. Risk management framework. Pages 308-315 4.4. The organisational structure of the administrative bodies: Sustainability and Quality Committee. Pages 389-391 CDP Climate responses 2021: C1.2, C1.2a

STRATEGY

Disclose the actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning where such information is material.

Recommendations	References
a) Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.	2.2.4. Energy and climate change. Risks and opportunities. Pages 72-73 2.16. Responsible supply chain management. Pages 239-250 3.1. Risk management framework. Pages 308 -315 3.2.2. Sustainability Risks (ESG) (Environmental, Social and Governance). Pages 317-318 3.3. Risk factors. Operational Risks. Page 322-333 CDP Climate responses 2021: C2.1a, C2.3, C2.3a, C2.4, C2.4a.
b) Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning.	1.1. Strategic vision. Social environment: increased significance of environmental and long-term sustainability issues. Pages 8 -9 1.7. Sustainable finance. Pages 25-29 2.2.4. Energy and climate change. Risks and opportunities. Pages 72-73 2.4. Digitalisation and Eco Smart services Pages 90-94 2.5. European taxonomy for sustainable activities. Page 95-102 CDP Climate responses 2021: C2.3a, C2.4a, C3.1, C3.2a, C3.3, C3.4, C3.4a, C-FS3.7, C-FS3.7a
c) Describe the resilience of the organization's strategy, taking into consideration different climate related scenarios, including a 2°C or lower scenario.	2.2.4. Energy and climate change. Risks and opportunities. Pages 72-73 2.2.5. Energy and climate change. Strategy and commitments. Pages 73-75 2.3.4. Circular Economy. Strategy and commitments. Pages 83-85 2.4. Digitalisation and Eco Smart services Pages 90-94 CDP Climate responses 2021: C3.2, C3.2a

RISK MANAGEMENT

Disclose how the organization identifies, assesses, and manages climate-related risks.

Recommendations	References
a) Describe your organization's processes for identifying and assessing climate-related risks.	2.2.4. Energy and climate change. Risks and opportunities. Pages 72-73 3.1. Risk management framework. Pages 308 -315 3.2. Risk map. Pages 316-321 3.2.2. Sustainability Risks (ESG) (Environmental, Social and Governance). Pages 317-318 3.3. Risk factors. Page 322-333 CDP Climate responses 2021: C2.1, C2.2, C2.2a, C-FS2.2b, C-FS2.2c, C-FS2.2f
b) Describe the organization's processes for managing climate-related risks.	2.2.4. Energy and climate change. Risks and opportunities. Pages 72-73 3.1. Risk management framework. Pages 308 -315 3.2. Risk map. Pages 316-321 3.2.2. Sustainability Risks (ESG) (Environmental, Social and Governance). Pages 317-318 CDP Climate responses 2021: C2.1, C2.2, C-FS2.2f

c) Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management	2.2.4 Energy and climate change. Risks and opportunities. Pages 72-73 2.11.2 Governance and sustainability culture. Annual variable remuneration. Page 192-193 3.1 Risk management framework. Pages 308 -315 3.2. Risk map. Pages 316-321 3.2.2 Sustainability Risks (ESG) (Environmental, Social and Governance). Pages 317-318 5.1 Annual report on remuneration. Page 454 CDP Climate responses 2021: C2.1, C2.2
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METRICS & TARGETS

Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.

Recommendations	References
a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.	2.2.5 Energy and climate change. Strategy and commitments. Pages 73-75 2.2.6 Energy and climate change. Progress in 2021. Pages 76-81 2.3.4 Circular Economy. Strategy and commitments. Pages 83-85 2.3.5 Circular Economy. Progress in 2021. Pages 85-89 2.4 Digitalisation and Eco Smart services Pages 90-94 2.11.2 Governance and sustainability culture. Annual variable remuneration. Page 192-193 5.1 Annual report on remuneration. Page 454 CDP Climate responses 2021: C4.2, C4.2a, C4.2b, C9.1
b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	2.2.5 Energy and climate change. Strategy and commitments. Pages 73-75 2.2.6 Energy and climate change. Progress in 2021. Pages 76-81 CDP Climate responses 2021: C6.1, C6.3, C6.5, C-FS14.1, C-FS14.1a, C-FS14.1b, C-FS14.1c
c) Describe the targets used by the organization to manage climate related risks and opportunities and performance against targets.	2.2.5 Energy and climate change. Strategy and commitments. Pages 73-75 2.2.6 Energy and climate change. Progress in 2021. Pages 76-81 2.3.4 Circular Economy. Strategy and commitments. Pages 83-85 2.3.5 Circular Economy. Progress in 2021. Pages 85-89 2.4 Digitalisation and Eco Smart services Pages 90-94 CDP Climate responses 2021: C4.1, C4.1a, C4.1b, C4.2, C4.2a, C4.2b

2.17.9. Compliance table of Spanish Law 11/2018 of 28 December - GRI Standards

GRI 102-55

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, organization and structure.	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		102-2	Activities, brands, products and services.	1.3. Business model. 1.6. Organisation. 1.8. Main magnitudes and presence.	
	Markets in which it operates.	102-3	Location of registered office.	Direct answer: Madrid, Spain.	
		102-4	Location of operations.	1.8. Main magnitudes and presence. 1.8.3. Advancing towards a more sustainable world	
		102-5	Ownership and legal form.	1.8. Main magnitudes and presence.	
		102-6	Markets served.	1.8. Main magnitudes and presence. 1.9. Business overview.	
		102-7	Scale of the organisation.	1.8. Main magnitudes and presence.	
	Objectives and strategies	102-14	Statement from senior decision-makers.	1.2. Mission, purpose, values. 1.5. Strategy. 2.12. Ethics and compliance.	
		102-15	Key impacts, risks and opportunities.	1.1. Context.	
Policies and their results	A description of the policies which the Group applies with regard to those issues, which will include: 1.) the due diligence procedures applied for the identification, evaluation, prevention and mitigation of risks and significant impacts. 2.) the verification and control procedures, including which measures have been adopted.	103	Management approach of each area.	1.1. Context. 1.4.2. Process for determining dual materiality. 1.6. Organisation. 3. Risks.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
Main non-financial risks	The main risks related to these issues regarding the Group's activities, including, where relevant and proportionate, its commercial relations, products or services which could have negative effects in those areas, and <ul style="list-style-type: none"> * how the Group manages those risks, * explaining the procedures used to detect them and evaluate them in accordance with the national, European and international reference frameworks for each issue. 	102-15	Key impacts, risks and opportunities.	1.1. Context. 1.4.2. Process for determining dual materiality. 1.6. Organisation. 3. Risks.	
	<ul style="list-style-type: none"> * It must include information about the impacts which have been identified, giving a breakdown of them, in particular the main risks in the short, medium and long term. 	407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk.	2.16.5.1. Risk management. -> Step 1. Minimum standards required. 2.16.6.1. Risk management in 2021. Direct answer: During the financial year 2021, there were no transactions in which employees/suppliers' rights of freedom of association	
		408-1	Operations and suppliers at significant risk for incidents of child labour.	2.16.5.1. Risk management. -> Step 1. Minimum standards required. 2.16.6.1. Risk management in 2021.	
		409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labour.	Direct answer: There were no operations with a significant risk of child or forced labour during the financial year 2021.	
Environmental issues	Global environment				
	1.) Detailed information about the current and foreseeable effects of the Company's activities on the environment and, where applicable, health and safety, the environmental evaluation or certification procedures; 2.) The resources dedicated to the prevention of environmental risks; 3.) The application of the precautionary principle, the quantity of provisions and guarantees for environmental risks (e.g. arising from environmental liability legislation).	103	Management approach of each area.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
		102-11	Precautionary principle or approach.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
		308-1	New suppliers that have passed evaluation and selection filters according to environmental criteria.	2.16.5.1. Risk management. -> Step 1. Minimum standards required. -> Step 4. Audits on high-risk suppliers. 2.16.6.1. Risk management in 2021.	
		308-2	Negative environmental impacts in the supply chain and actions taken.	2.3.5.2. Suppliers. 2.16.5.1. Risk management. If we focus our risk analysis exclusively on the assessment of specific environmental impacts, given the product or service they supply, we have 903 suppliers with potential or actual significant negative environmental impacts.	
Pollution					

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, 1.) Measures to prevent, reduce or repair carbon emissions which seriously affect the environment. 2.) Taking into account any form of specific atmospheric pollution of an activity, including noise and light pollution.	102-1 103 305-5 305-6 305-7	Name of the Company. Management approach to emissions/biodiversity. Reduction of GHG emissions. Emissions of ozone-depleting substances (ODS). Nitrogen oxides (NOx), sulphur oxides (SOx) and other significant air emissions.	Direct answer: Telefónica S.A. 2.1. Responsibility with the environment. 2.1.6. Responsible network and biodiversity. 2.2. Energy and climate change. 2.3. Circular economy. 2.2.6. Progress in 2021. Direct answer: 34t.	This indicator is not considered to be relevant as the emissions of this type of pollutants are not a significant part of our activity.
Circular economy, prevention and management of waste					
	Circular economy.	103	Management approach to effluents and waste.	2.1. Responsibility with the environment. 2.1.6. Responsible network and biodiversity. 2.2. Energy and climate change.	
		301-2	Recycled input materials used.	2.3.5.1. Internal eco-efficiency.	This indicator is not considered applicable as the products and services offered by Telefónica are not directly related to manufacturing products.
		301-3	Reclaimed products and their packaging materials.	2.3.5.1. Internal eco-efficiency.	
	Waste: prevention measures, recycling, re-use, other forms of recovery and disposal of waste.	103 306-1 306-2 306-3 306-4	Management approach to effluents and waste. Waste generation and significant waste-related impacts. Management of significant waste-related impacts. Waste generated. Waste not for disposal.	2.1. Responsibility with the environment. 2.1.6. Responsible network and biodiversity. 2.2. Energy and climate change. 2.3. Circular economy. 2.3.5.1. Internal eco-efficiency. > Waste as a resource. 2.3.5.1. Internal eco-efficiency. > Waste as a resource. 2.1.7. Main indicators. 2.3.5.1. Internal eco-efficiency. > Waste as a resource. 2.1.7. Main indicators. 2.3.5.1. Internal eco-efficiency. > Waste as a resource.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		306-5	Waste for disposal.	2.3.5.1. Internal eco-efficiency. > Waste as a resource.	
	Actions to combat food waste.	103	Management approach to effluents and waste.		This indicator is not considered applicable as the products and services offered by Telefónica are not directly related to food consumption.
Sustainable use of resources					
	The consumption of water and the supply of water in accordance with local limitations.	303-3	Water extraction.	Direct answer: Telefónica's water consumption comes from the municipal supply networks in the locations where we operate.	
		303-5	Water consumption.	2.1.7. Main indicators. 2.3.5.1. Internal eco-efficiency. > Water.	
	Consumption of raw materials and the measures adopted to improve efficiency in their use.	103	Approach to materials management.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
		301-1	Materials used by weight or volume.		As it is a service company, this indicator does not apply. The consumption of materials does not occur for the direct generation of products but for the Company's telecommunications network to provide the services required by our customers. The processes to reduce consumption of materials and reuse them make our network more efficient from this perspective, too. In our administrative activities, the material most used is paper. At Telefónica, efficient use is encouraged through digitalisation of processes. Chapter 2.3. Circular economy includes more details on Telefónica's management of paper consumption.

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, Direct and indirect consumption, of energy, measures taken to improve energy efficiency and the use of renewable energies.	102-1 301-2 301-3 103 302-1 302-2 302-3 302-4	Name of the Company. Recycled input materials used. Reclaimed products and their packaging materials. Approach to energy management. Energy consumption within the organization. Energy consumption within the organization. Energy intensity. Reduction in energy consumption.	Direct answer: Telefónica S.A. 2.3.5.1. Internal eco-efficiency. 2.3.5.1. Internal eco-efficiency. > Electronic equipment. > Waste as a resource. 2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy. 2.2.6. Progress in 2021. > Evolution of energy consumption. > Renewable energy. Direct answer: energy consumption reported includes both that used at Telefónica facilities and at external facilities, such as those of other operators or telecommunications tower companies. Energy consumption in own facilities 21,983,852 GJ (2020 data: 21,344,142 GJ) 2.2.6. Progress in 2021. > Evolution of energy consumption. > Renewable energy. Direct answer: energy consumption reported includes both that used at Telefónica facilities and at external facilities, such as those of other operators or telecommunications tower companies. Energy consumption in third-party installations: 4,171,410GJ (2020 data: 3,963,387 GJ) 2.1.7. Main indicators. 2.2.6. Progress in 2021. > Evolution of energy consumption. Direct answer: 194 GJ/PB (2020 data: 246 GJ/PB. Energy intensity has been reduced by 21%). 2.2.6. Progress in 2021. > Evolution of energy consumption. > Renewable energy.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		302-5	Reductions in energy requirements of products and services.		This indicator is not considered applicable as the products and services offered by Telefónica are not directly related to our customers' energy consumption. The nature of the products and services offered by Telefónica is mostly related to mobile and fixed connectivity, as well as digital and data services.
Climate Change					
	The important elements of the greenhouse gas emissions generated as a result of the company's activities, including the use of the goods and services it produces	103	Approach to emissions management.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
		305-1	Direct GHG emissions (Scope 1).	2.1.7. Main indicators. 2.2.6. Progress in 2021. > Evolution of emissions. Direct answer: Biogenic emissions: 9,020 tCO ₂ eq (2020 data: 9,695 tCO ₂ eq)	
		305-2	Indirect GHG emissions from the generation of energy (Scope 2).	2.1.7. Main indicators. 2.2.6. Progress in 2021. > Evolution of emissions.	
		305-3	Other indirect GHG emissions (Scope 3).	2.1.7. Main indicators. 2.2.6. Progress in 2021. > Evolution of emissions.	
		305-4	GHG emissions intensity.	2.1.7. Main indicators. 2.2.6. Progress in 2021. > Evolution of emissions.	
		305-5	Reduction of GHG emissions.	2.2.6. Progress in 2021. > Evolution of emissions.	
	The measures adopted in order to adapt to the consequences of climate change.	103	Approach to emissions management.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
	The reduction targets voluntarily established in the medium and long term to reduce GHG emissions and the measures implemented to that end.	103	Approach to emissions management.	2.1. Responsibility with the environment. 2.1.5. Environmental management system. 2.2. Energy and climate change. 2.3. Circular economy.	
		305-5	Reduction of GHG emissions.	2.2.6. Progress in 2021. > Evolution of emissions.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
Protection of biodiversity					

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	Measures taken to preserve or restore biodiversity.	103	Management focus. Biodiversity.	2.1. Responsibility with the environment. 2.1.6. Responsible network and biodiversity. 2.2. Energy and climate change. 2.3. Circular economy	
	303-4	Water discharges.	2.3.5.1. Internal Eco-efficiency. > Water.	Direct answer: all water discharges at Telefónica are sanitary and are discharged to the municipal sanitation system, therefore no water bodies or related habitats are affected.	
Social and personnel-related matters	Impacts caused by the activities or operations in protected areas.	103	Management focus. Biodiversity.	2.1. Responsibility with the environment. 2.1.6. Responsible network and biodiversity.	
	Employment		Information on employees and other workers.		2.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators.
	Total number and distribution of employees by sex, age, country and professional classification.		102-8		
	202-2		Proportion of senior management hired from the local community.	Direct answer: 71.4% of the CEOs and chairmen in the countries are local.	
	405-1		Diversity of governance bodies and employees.	2.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators. > Diversity indicators.	
	Total number and distribution of types of employment contracts.	102-8	Information on employees and other workers.	2.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators.	The information included in the Report includes only internal employees hired by Telefónica.
	Annual average of permanent contracts, temporary contracts and part-time contracts by sex, age and professional classification.	102-8	Information on employees and other workers.	2.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators.	
	405-1		Diversity of governance bodies and employees.	22.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators.	The information included in the Report includes only internal employees hired by Telefónica.
	Number of dismissals by sex, age, country and professional classification.	401-1	New hires and employee turnover.	2.6.6. Main indicators. 2.6.6.2. Workforce and diversity indicators. > New employee recruitment. > Employee turnover.	
	Average remunerations and their evolution, with a breakdown by sex, age and professional classification or equal value.	405-2	Ratio of basic salary and remuneration of women to men.	2.6.6. Main indicators. 2.6.6.6. Remuneration indicators.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, Wage gap, the remuneration of jobs of equal value or the average of the Company.	102-1 103 405-2	Name of the Company. Employment + diversity and equality of opportunities. Ratio of basic salary and remuneration of women to men.	Direct answer: Telefónica S.A. 2.6.5.2. Diversity and inclusion. 2.6.6. Main indicators. 2.6.6.6. Remuneration indicators. > Gender pay gap.	
	The average remuneration of directors and managers, including variable remuneration, allowances, compensation, payments into long-term savings plans and any other payment, with a breakdown by sexes.	103 102-35	Approach to diversity and equality management. Governance: remuneration policies.	2.6.6. Main indicators. 2.6.6.6. Remuneration indicators. 2.6.5.1. Attraction, retention and capacity-building. > How to assess effort: remuneration policy. 5.1. Annual Report on Directors' Remuneration.	
		102-36	Governance: processes for determining remuneration.	2.6.5.1. Attraction, retention and capacity-building. > How to assess effort: remuneration policy. 5.1. Annual Report on Directors' Remuneration.	
		102-38	Governance: annual total compensation ratio.	2.6.6. Main indicators. 2.6.6.6. Remuneration indicators.	Information included in the Report covers the annual compensation ration for the Company's CEO. Information relating to the different countries is not published on specific confidentiality grounds.
		102-39	Governance: percentage increase in annual total compensation ratio.		The information relating to this indicator is not published on specific confidentiality grounds.
		202-1	Ratios of standard entry-level wage by gender compared to local minimum wage.	2.6.6. Main indicators. 2.6.6.6. Remuneration indicators.	
	Implementation of end of employment policies.	103	Approach to employment management.	2.6.5.3. New ways of working. > Work-life balance.	
	Employees with disabilities.	405-1	Diversity of governance bodies and employees.	2.6.5.2. Diversity and inclusion. > Programmes to promote diversity and inclusion. 2.6.6.2. Workforce and diversity indicators. > Diversity indicators.	
Organisation of work					
	Organisation of work time.	103	Approach to employment management.	2.6.5.3. New ways of working. > Work-life balance.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, Number of hours of absenteeism. Measures aimed at facilitating the life-work balance and promoting the co-responsibility of both parents.	102-1 103 103	Name of the Company. Approach to employment management (quantitative data on absentee-ism). Approach to employment management.	Direct answer: Telefónica S.A. 2.6.6.1. Health and safety at work. 2.6.5.3. New ways of working. > Work-life balance.	
	Health and safety				
	Health and safety conditions at work.	403-1	Occupational health and safety management system.	2.6.5.4. Occupational health, safety and well-being. > Management systems: prevention of work-related incidents and occupational diseases.	
		403-2	Hazard identification, risk assessment and incident investigation.	2.6.5.4. Occupational health, safety and well-being. > Management systems: prevention of work-related incidents and occupational diseases. 2.12.5.3. Complaint and remedy mechanisms: Channel for queries and complaints.	
		403-3	Occupational health services.	2.6.5.4. Occupational health, safety and well-being. > Occupational health services. > Promotion of workers' health.	
		403-5	Training of workers in occupational health and safety.	.6.5.4. Occupational health, safety and well-being. > Employee training and representation.	
		403-6	Promotion of workers' health.	2.6.5.4. Occupational health, safety and well-being. > Promotion of workers' health.	
		403-7	Prevention and mitigation of impacts on the health and safety of workers directly linked to business relationships.	2.6.5.4. Occupational health, safety and well-being. > Commitment to our suppliers.	
		403-8	Coverage of the occupational health and safety management system.	2.6.5.4. Occupational health, safety and well-being. 2.6.6.1. Health and safety at work.	The information included in the Report includes only internal employees hired by Telefónica.
	Occupational accidents, in particular their frequency and severity. Occupational diseases, broken down by sex.	403-9	Injuries due to occupational accidents.	2.6.5.4. Occupational health, safety and well-being. 2.6.6.1. Health and safety at work.	The information included in the Report includes only internal employees hired by Telefónica.

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		403-10	Occupational diseases and illnesses.	2.6.5.4. Occupational health, safety and well-being. Direct answer: No particular incidence or risk of diseases related to the Company's activity is apparent.	The information included in the Report includes only internal employees hired by Telefónica.

Labour relations

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	Organisation of dialogue in labour matters, including procedures to inform and consult employees and negotiate with them.	103 407-1	Approach to worker-Company relations management. Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk.	2.6.2. Governance. > Industrial relations. Social dialogue. 2.16.5.1. Risk management. Step 1. Minimum standards required. 2.16.6.1. Risk management in 2021. Direct answer: During the financial year 2021, there were no transactions in which employees/suppliers' rights of freedom of association were violated.	
	Percentage of employees covered by collective agreements, by country.	102-41	Collective agreements.	2.6.6.4. Collective agreements.	
	The outcome of collective agreements, particularly in the sphere of occupational health and safety.	403-4	Worker participation, consultation and communication on occupational health and safety.	2.6.2. Governance. > Industrial relations. Social dialogue. 2.6.5.4. Occupational health, safety and well-being. > Employee training and representation.	
Training					
	The policies implemented in the field of training.	103 404-2 404-3	Management approach to training and education. Programmes for upgrading employee skills and transition assistance programmes. Percentage of employees receiving regular performance and career development reviews.	2.6.5.1. Attraction, retention and capacity-building. 2.6.5.1. Attraction, retention and capacity-building. 2.6.2. Governance. > Industrial relations. Social dialogue. 2.6.5.1. Attraction, retention and capacity-building. > Performance appraisals.	
					Currently, Telefónica's information systems do not make it possible to break down information about performance reviews by sex or labour category. We are adapting the systems to be able to provide this information.
	Total number of hours of training by professional categories.	404-1	Average hours of training per year per employee.	2.6.5.1. Attraction, retention and capacity-building. 2.6.6.5. Training indicators.	
	Universal accessibility of people with disabilities.	103	Diversity Management and Equal Opportunities + Non-discrimination approach.	2.6.5.2. Diversity and inclusion.	
Equality					
	Measures adopted to promote equality of treatment of and opportunities for men and women.	103	Management approach to diversity, equality of opportunities and non-discrimination.	2.6.5.2. Diversity and inclusion.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	Equality plans (Chapter III of Organic Law 3/2007, of 22 March, for the effective equality of women and men), measures adopted to promote employment, protocols against sexual harassment and gender-related harassment, the integration and universal accessibility of people with disabilities.	103	Management approach to diversity, equality of opportunities and non-discrimination.	2.6.5.2. Diversity and inclusion.	
	Policy against all types of discrimination and, where appropriate, the management of diversity.	103	Management approach to diversity, equality of opportunities and non-discrimination.	2.6.5.2. Diversity and inclusion.	
Human rights	Application of due diligence measures with regard to human rights. Prevention of the risks of violation of human rights and, where applicable, measures to mitigate, manage and repair possible abuses committed.	103	Management approach to the evaluation of human rights + freedom of association and collective bargaining + child labour + forced or compulsory labour.	2.16.6.1. Risk management in 2021. 2.8.5. Strategy and commitment: Telefónica's due diligence on human rights.	
		102-16	Values, principles, standards, and norms of behaviour.	2.12. Ethics and compliance.	
		102-17	Mechanisms for advice and concerns about ethics.	2.12.5.3. Complaint and remedy mechanisms: Channel for enquiries and complaints. 2.12.5.6. Internal control.	
		412-3	Significant investment agreements and contracts that include human rights clauses or that underwent human rights screening.	2.8.5. Strategy and commitment: Telefónica's due diligence on human rights.	
		412-2	Employee training on human rights policies or procedures.	2.12.5.2. Training. 2.8.5. Strategy and commitment: Telefónica's due diligence on human rights.	
		412-1	Operations that have been subject to human rights reviews or impact assessments.	2.8.5. Strategy and commitment: Telefónica's due diligence on human rights.	
	Reports of cases of violation of human rights.	406-1	Incidents of discrimination and corrective actions taken.	2.12.5.3. Complaint and remedy mechanisms: Channel for enquiries and complaints.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	Promotion and fulfilment of the provisions of the fundamental conventions of the International Labour Organization related to respect for freedom of association and the right to collective bargaining.	407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk.	2.16.5.1. Risk management. Step 1. Minimum standards required. 2.16.6.1. Risk management in 2021. Direct answer: During the financial year 2021, there were no transactions in which employees/suppliers' rights of freedom of association were violated.	
	The elimination of discrimination in employment and occupation.	103	Management approach to non-discrimination.	2.6.2. Governance. > Industrial relations. Social dialogue. 2.6.5.1. Attraction, retention and capacity-building. > How to assess effort: remuneration policy. 2.6.5.2. Diversity and inclusion. > Committed to equal opportunities. 2.8.5. Strategy and commitment. > Telefónica's human rights due diligence. 2.11.1. Governance. 2.12.5.3. Complaint and remedy mechanisms: channel for queries and complaints. 2.17.3. Material issues. 2.17.6. Commitment to the United Nations Global Compact.	
	The elimination of forced or compulsory labour.	406-1	Incidents of discrimination and corrective actions taken.	2.12.5.3. Complaint and remedy mechanisms: channel for enquiries and complaints.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	The effective abolition of child labour.	408-1	Operations and suppliers at significant risk for incidents of child labour.	<p>2.16.5. Strategy and commitment. 2.16.5.1. Risk management. 2.16.6.1. Risk management in 2021. 2.8.5. Strategy and commitment. > Telefónica's human rights due diligence.</p> <p>Direct answer: There were no operations with a significant risk of child or forced labour during the financial year 2021.</p>	
Corruption and bribery	Measures adopted to prevent corruption and bribery.	103	Measures adopted to prevent corruption and bribery.	2.11.1 Governance. 2.12.5. Strategy and commitment.	
		102-16	Measures adopted to prevent corruption and bribery.	2.11.1 Governance. 2.12.5. Strategy and commitment.	
		102-17	Measures adopted to prevent corruption and bribery.	2.12.5.3. Complaint and remedy mechanisms: channel for enquiries and complaints.	
		205-1	Measures adopted to prevent corruption and bribery.	2.12.5.6 Internal control.	
		205-2	Measures adopted to prevent corruption and bribery.	2.12.5.1. Compliance. 2.12.5.2. Training.	
		205-3	Measures adopted to prevent corruption and bribery.	2.12.5.3. Complaint and remedy mechanisms: channel for enquiries and complaints.	
	Measures to combat money laundering.	205-2	Communication and training about anti-corruption policies and procedures.	2.12.5.1. Compliance.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment, Contributions to non-profit foundations and entities.	102-1 103	Name of the Company. Approach to anti-corruption management.	Direct answer: Telefónica S.A. Direct answer: Telefónica's contribution to Fundación Telefónica in 2021 totalled 56.6 million euros. 55.7 million of this amount was in cash. Contributions in kind include the transfer of the right of temporary and free usufruct in favour of Fundación Telefónica over the Espacio Escuela 42 and the donation in kind of various assets and rights for a value of 0.9 million euros. Cash payments of 57.0 million euros and in-kind contributions of 0.9 million euros were made during the financial year 2020.	
				Atam is an association created by Telefónica whose objective is to support people with disabilities. It is a mutually supportive and collaborative organisation. It is a non-profit entity that was incorporated more than 40 years ago and has been declared a Public Utility. It is organised as a Social Protection System for people suffering from disabilities and/or dependency. Telefónica's contribution was 7.04 million euros in 2021. In 2020, it was 7.08 million euros.	
Company	Company's commitments to sustainable development				
	The impact of the Company's activity on local employment and development.	103	Approach to local communities + indirect economic impacts management.	2.10. Contribution and impact on communities.	
		203-1	Infrastructure investments and services supported.	2.10.2.1. Helping society thrive. Direct answer: Total Telefónica Group investment in infrastructure and applied services: 7,267 million euros (2020 figure: 5,861 million euros).	
		203-2	Significant indirect economic impacts.	2.10.2.1. Helping society thrive.	
		413-1	Operations with local community engagement, impact assessments, and development programmes.	2.10. Contribution and impact on communities.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
	The impact of the Company's activity on the local populations and the territory.	203-1	Infrastructure investments and services supported.	2.10.2.1. Helping society thrive. Direct answer: Total Telefónica Group investment in infrastructure and applied services: 7,267 million euros (2020 figure: 5,861 million euros).	
		203-2	Significant indirect economic impacts.	2.10.2.1. Helping society thrive.	
	The relations maintained with local community players and the forms of dialogue with them.	103	Approach to local communities management.	2.8.6. Progress in 2021. > Network deployment. 2.9.4. Electromagnetic fields.	
		102-43	Approach to stakeholder engagement.	2.17.2. Types of engagement and relations with our stakeholders.	
		413-1	Operations with local community engagement, impact assessments, and development programmes.	2.8. Human rights.	
	Association or sponsorship actions.	102-12	External initiatives.	2.13.5. Principles for the preparation of the Non-Financial Information (NFI) Statement.	
		102-13	Membership of associations.	2.17.7. Collaborations with other associations.	
Subcontracting and suppliers					
	* The inclusion in the procurement policy of social, gender equality and environmental issues. * Consideration in relations with suppliers and subcontractors of their social and environmental responsibility.	102-9	Supply chain.	2.16.1. Vision. 2.16.3. Policies. 2.16.4. Risks and opportunities. 2.16.5. Strategy and commitment. 2.16.5.1. Risk management. 2.16.5.2. Engagement with suppliers. 2.16.6.1. Risk management in 2021. 2.16.6.2. Engagement in 2021.	
		102-10	Significant changes to the organisation and its supply chain.	2.17.4. Structure and consolidation perimeter of non-financial information.	
		103	Supplier environmental assessment + supplier social assessment + acquisition practices.	2.16.5.1. Risk management.	
		308-1	Supplier environmental assessment.	2.16.1. Vision. 2.16.3. Policies. 2.16.5.1. Risk management. 2.16.6.1. Risk management in 2021.	
		204-1	Proportion of spending on local suppliers.	1.8.3. Advancing towards a more sustainable world. 2.16.6. Progress in 2021. 2.10.2.1. Helping society thrive.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		414-1	Supplier social assessment.	2.16.1. Vision. 2.16.3. Policies. 2.16.5. Risk management. 2.16.6.1. Risk management in 2021.	
	Supervision and audit systems and their results.	103	Approach to acquisition practices management.	2.16.1. Vision. 2.16.5. Strategy and commitment. 2.16.5.1. Risk management.	
		414-1	New suppliers screened using social criteria.	2.16.5.1. Risk management. 2.16.6.1. Risk management in 2021.	
		414-2	Negative social impacts in the supply chain and actions taken.	2.16.6.1. Risk management. If we focus our risk analysis exclusively on the assessment of specific social impacts, given the product or service they supply, we have 784 suppliers with potential or actual significant negative social impacts.	
	Consumers				
	Measures for the health and safety of consumers.	103	Management approach to health and safety of customers + marketing and labelling + customer privacy.	2.8.6. Progress in 2021. -> Protection of minors. 2.9.4. Electromagnetic fields. 2.9.5. Products and services. -> Health and safety in our products and services. 2.14.3. Responsibility to customers: our approach and performance. 2.15.2. Privacy.	
		416-1	Assessment of the health and safety impacts of product and service categories.	2.9.5. Products and services. -> Health and safety in our products and services.	
	Complaint systems, complaints received and their resolution.	103	Management focus. Customer health and safety + marketing and labelling + customer privacy.	2.8.5. Strategy and commitment. -> Telefónica's human rights due diligence. 2.14.3. Responsibility to customers: our approach and performance. -> Complaints. -> Customer defense service. 2.15.2.4. Strategy and commitment. -> Consultation and complaint mechanisms.	
		416-2	Incidents of non-compliance concerning the health and safety impacts of products and services.	2.9.5. Products and services. -> Health and safety in our products and services. Direct answer: During the 2021 financial year, no non-compliance was detected in relation to our quality assessments and certification of equipment and devices in any of the regions in which we operate.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
Tax information					
	Profit obtained country by country. Taxes on profits paid.	207-1	Fiscal approach.	2.13. Fiscal transparency.	
		207-2	Fiscal governance, control and risk management.	Direct answer: details of the composition of income taxes paid for 2019 (1,054 million euros), 2020 (626 million euros) and 2021 (1,378 million euros) are included in note 25 to the Consolidated Financial Statements.	
		207-3	Stakeholder engagement and management of tax concerns.		
		207-4	Country-by-country reporting.		
	Public subsidies received.	103	Approach to economic performance management (quantitative data on subsidies).	2.13.6. Progress in 2021. > Contribution to the development of local economies and finances. Direct answer: total operating subsidies received by Telefónica in 2021 amounted to 13 million euros (17 million euros in 2020).	
Other significant disclosures	European taxonomy for sustainable activities.	Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020 and related Delegated Regulations	–	2.5. European taxonomy for sustainable activities.	
	Other general disclosures.	102-18	Governance structure.	4.1.1. Corporate governance system. 4.4.1. Board of Directors.	
		102-19	Delegation of authority.	4.1.1. Corporate governance system.	
		102-20	Executive-level responsibility for economic, environmental, and social issues.	2.11.1. Governance.	
		102-21	Consulting stakeholders on economic, environmental, and social issues.	2.17.2. Types of engagement and relations with our stakeholders.	
		102-22	Composition of the highest governance body and its committees.	4.1.1. Corporate governance system. 4.4.1. Board of Directors.	
		102-23	Chair of the highest governance body.	Direct answer: José María Álvarez-Pallete.	
		102-24	Appointment and selection of the highest governance body.	4.4.1. Board of Directors	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		102-25	Conflicts of interest.	4.5.2. Conflicts of Interest.	
		102-26	Role of highest governance body in setting purpose, values, and strategy.	2.11.1. Governance.	
		102-27	Collective knowledge of highest governance body.	2.11.2. Culture aligned with ethical and sustainable management.	
		102-28	Evaluation of the highest governance body's performance.	4.4.1. Board of Directors.	
		102-29	Identifying and managing economic, environmental, and social impacts.	1.4.5. Ongoing dialogue with stakeholders. 2.9.6. Responsible design. 2.16.5.1. Risk management. 2.16.6.1. Risk management in 2021. 2.8.5. Strategy and commitment. > Telefónica's human rights due diligence. 2.10.2. Strategy and commitment. > Evaluation of our contribution and impact. 2.1.5. Environmental management system.	
		102-30	Effectiveness of risk management processes.	2.11.1. Governance. 3.1. Risk management model.	
		102-31	Review of economic, environmental, and social issues.	2.11.1. Governance.	
		102-32	Highest governance body's role in sustainability reporting.	2.11.1. Governance. 2.13.5. Principles for the preparation of the Non-Financial Information (NFI) Statement.	
		102-33	Communicating critical concerns to the highest governance body.	2.11.1. Governance.	
		102-34	Types and total number of critical concerns.	1.4.4. Materiality context.	
		102-37	Stakeholders' involvement in remuneration.	2.6.5.1. Attraction, retention and capacity-building. > How to assess effort: remuneration policy.	
		102-40	List of stakeholder groups.	2.17.1. Telefónica's stakeholders.	
		102-42	Identifying and selecting stakeholders.	2.17.1. Telefónica's stakeholders.	
		102-43	Approach to stakeholder engagement/key topics and concerns raised.	2.17.2. Types of engagement and relations with our stakeholders.	

Areas	Contents	Reporting criteria	GRI description	Reference/location 2021	GRI omissions
Business model	Description of the business model, environment,	102-1	Name of the Company.	Direct answer: Telefónica S.A.	
		102-44	Key topics and concerns raised.	1.4.4. Materiality context.	
		102-45	Entities included in the Consolidated Financial Statements.	2.17.4. Structure and consolidation perimeter of Non-Financial Information (NFI).	
		102-46	Defining report content and topic boundaries.	2.17.5. Principles for the preparation of the Non-Financial Information (NFI) Statement.	
		102-47	List of material topics.	1.4.4. Materiality context. 2.17.3. Material issues.	
		102-48	Restatements of information.	2.17.4. Structure and consolidation perimeter of non-financial information.	
		102-49	Changes in reporting.	2.17.4. Structure and consolidation perimeter of Non-Financial Information (NFI).	
		102-50	Reporting period.	Direct answer: the year 2021.	
		102-51	Date of most recent report.	Direct answer: February 2021.	
		102-52	Reporting cycle.	Direct answer: annual.	
		102-53	Contact point for questions regarding the Report.	Direct answer: Global Sustainability Department of Telefónica.	
		102-54	Claims of reporting in accordance with the GRI Standards.	2.17.5. Principles for the preparation of the Non-Financial Information (NFI) Statement.	
		102-55	GRI content index.	2.17.9. Compliance table, Law 11/2018 of 28 December - GRI Standards.	
		102-56	External assurance.	Direct answer: external assurance carried out by PricewaterhouseCoopers Auditores, S.L.	

2.17.10. SASB compliance table

Table 1. Sustainability disclosure and accounting metrics

Subject	SASB Code	Metrics	Telefónica's response/comments
Environmental footprint of operations(1)	TC-TL-130a.1	Total energy consumed (GJ) (electricity + fuels).	21,983,852
		Percentage of grid electricity in total energy consumption.	95 %
		Percentage of renewable energy in total energy consumption.	70 %
Data privacy	TC-TL-220a.1	Description of policies and practices related to behavioural advertising and customer privacy.	See chapter 2.15.2. Privacy (2.15.2.1. Governance, 2.15.2.2. Policies, 2.15.2.3. Risks and opportunities, 2.15.2.4. Strategy and commitments).
	TC-TL-220a.2	Number of customers whose information is used for secondary purposes.	In accordance with current legislation, Telefónica performs additional processing of customer data, such as anonymisation, to generate aggregate statistical information.
	TC-TL-220a.3	Total amount of monetary losses due to legal proceedings in customer privacy matters (€).	436,714
	TC-TL-220a.4	Number of requests for customer information from law enforcement agencies.	5,263,552
		Number of customers whose information was requested.	7,065,651
Data security	TC-TL-230a.1	Percentage resulting in disclosure.	99 %
		Number of data breaches.	3
		Percentage involving personally identifiable information(2).	0.4 %
		Number of customers affected(2).	157,217
Product end-of-life management	TC-TL-230a.2	Description of the approach to identifying and addressing data security risks, including the use of third-party cybersecurity standards.	See chapter 2.15.3. Security (2.15.3.1. Governance, 2.15.2.2. Policies, 2.15.2.3. Risks and opportunities, 2.15.2.4. Strategy and commitments).
	TC-TL-440a.1	Materials recovered through collection programmes, percentage of materials recovered that were:	14,385
		Total recovered (tonnes)	
		Re-used (%)	15.6
		Recycled (%)	84.3
		Deposited in landfills (%)	0.1

Competitive behaviour and the open Internet	TC-TL-520a.1	Total amount of monetary losses due to legal proceedings related to anti-competitive behaviour regulations.	0
	TC-TL-520a.2 ⁽²⁾	FIXED NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of own and commercially-associated content.	ADSL: 14.854 Mbps FTTH: 611.152 Mbps No differential assessment between associated and non-associated content.
		MOBILE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of own and commercially-associated content.	4G: 48.96 Mbps No differential assessment between associated and non-associated content.
		FIXED NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of non-associated content.	ADSL: 14.854 Mbps FTTH: 611.152 Mbps No differential assessment between associated and non-associated content
		MOBILE NETWORK: Actual average sustained download speed in Megabits per second (Mbps) of non-associated content.	4G: 48.96 Mbps No differential assessment between associated and non-associated content.
Management of systemic risks arising from technological outages	TC-TL-520a.3	Description of the risks and opportunities associated with net neutrality, paid peering, zero rating and related practices.	Telefónica has defined its policy in the Digital Pact (https://www.telefonica.com/en/web/public-policy/telefonica-digital-deal).
	TC-TL-550a.1 ⁽²⁾	FIXED NETWORK: Average system outage frequency.	2
		MOBILE NETWORK: Average system outage frequency.	40
		FIXED NETWORK: Average duration of outage for customer.	3,78 h
		MOBILE NETWORK: Average duration of outage for customer.	0,02 h
TC-TL-550a.2		Discussion of systems to provide unimpeded service during outages.	See chapter 2.9.3. Network quality and availability.

Notes:

⁽¹⁾ Environmental footprint indicators do not include the operator Telefónica UK (O2).

⁽²⁾Data for Telefónica Spain.

Table 2. Activity metrics

SASB Code	Metrics	Telefónica's response/comments
TC-TL-000.A	Total number of mobile accesses (millions).	278
TC-TL-000.B	Total number of fixed accesses (millions).	30
TC-TL-000.C	Number of fixed broadband connections (millions).	26
TC-TL-000.D	Network traffic in petabytes ⁽¹⁾ .	113,547

Note:

⁽¹⁾ Excluding the operator Telefónica UK (O2).



Telefónica, S.A. and subsidiaries

Independent verification report
Non-Financial Information Statement
31 December 2021



This version of our report is a free translation of the original, which was prepared in Spanish. All possible care has been taken to ensure that the translation is an accurate representation of the original. However, in all matters of interpretation of information, views or opinions, the original language version of our report takes precedence over this translation.

Independent verification report

To the shareholders of Telefónica, S.A.:

Pursuant to article 49 of the Code of Commerce, we have verified, with the scope of a limited assurance engagement, the accompanying Non-Financial Information Statement (“NFS”) for the year ended 31 December 2021 of Telefónica, S.A. [the Parent company] and its subsidiaries (hereinafter “Telefónica” or the “Group”) which forms part of Telefónica’s 2021 Consolidated Management Report (“CMR”).

The content of the NFS includes information additional to that required by current mercantile legislation in relation to non-financial information, which has not been covered by our verification work. In this respect, our work was limited solely to verifying the information identified in the tables: “2.17.9. Compliance table of Spanish Law 11/2018 of 28 December – GRI Standards” in the accompanying NFS.

Likewise, we have carried out a moderate assurance engagement of the application of the principles of inclusivity, materiality, responsiveness and impact, related to the information included in the section “1.4 Materiality” of the CMR in accordance with the provisions of the 2018 *AccountAbility Principles Standard AA1000 (AA1000AP)* issued by *AccountAbility*.

Responsibility of the Parent company's directors

The preparation of the NFS included in Telefónica’s CMR and the content thereof, are the responsibility of the directors of Telefónica, S.A. The NFS has been drawn up in accordance with the provisions of current mercantile legislation and in accordance with the criteria of the *Sustainability Reporting Standards* of the Global Reporting Initiative (“GRI Standards”) described in line with the Exhaustive option in accordance with the details provided for each matter in the tables: “2.17.9. Compliance table of Spanish Law 11/2018 of 28 December – GRI Standards”

This responsibility also includes the design, implementation and maintenance of the internal control considered necessary to allow the NFS to be free from material misstatement due to fraud or error.

The directors of Telefónica, S.A. are also responsible for defining, implementing, adapting and maintaining the management systems from which the information required to prepare the NFS is obtained, and for the application of AA1000AP (2018) principles.

Our independence and quality control

We have complied with the independence and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA Code) which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

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Our firm applies International Standard on Quality Control 1 (ISQC 1) and accordingly maintains a comprehensive system of quality control, including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

The engagement team has consisted of professionals specialising in Non-financial Information reviews, specifically in information on economic, social and environmental performance.

Our responsibility

Our responsibility is to express our conclusions in a limited assurance independent verification report based on the work we have performed. We carried out our work in accordance with the requirements set out in the current International Standard on Assurance Engagements 3000 Revised, "Assurance Engagements other than Audits or Reviews of Historical Financial Information" (ISAE 3000 Revised) issued by the International Auditing and Assurance Standards Board (IAASB) of the International Federation of Accountants (IFAC) and in the Guidelines for verification engagements of the Statement of Non-Financial Information issued by the Spanish Institute of Auditors ("Instituto de Censores Jurados de Cuentas de España").

In addition, we have performed our moderate assurance engagement (type 2) in accordance with the AA1000 Assurance Standard v3 issued by *AccountAbility* in relation to the nature and extent of the organization's compliance with the principles, as well as the reliability of specific information regarding sustainability performance.

In a limited or moderate assurance engagement the procedures performed vary in nature and timing, and are less extensive, than those performed in a reasonable or high assurance engagement and, therefore, the security provided is also lower.

Our work consisted of posing questions to management as well as to the various units of Telefónica that were involved in the preparation of the NFS, of the review of the processes for compiling and validating the information presented in the NFS, and in the application of certain analytical procedures and review procedures on a sample basis, as described below:

- Meetings with Telefónica personnel to understand the business model, policies and management approaches applied, principal risks relating to these matters and to obtain the necessary information for the external review.
- Analysis of the scope, relevance and integrity of the content of the NFS for the year 2021, based on the materiality analysis carried out by Telefónica and described in section 1.4 Materiality taking into account the content required by current mercantile legislation.
- Analysis of the procedures used to compile and validate the information presented in the NFS for the year 2021.
- Review of information relating to risks, policies and management approaches applied in relation to material matters presented in the NFS for the year 2021.
- Analysis of the documentation and actions related to the application of the inclusivity, materiality, responsiveness, and impact principles of the AA1000AP (2018).
- Verification, by means of sample testing, of the information relating to the content of the NFS for the year 2021 and that it was adequately compiled using data provided by the sources of the information.

- Regarding the indicators on energy consumption and greenhouse gas emissions, we have reviewed that they have been verified by an independent third party in accordance with the ISO 14064-3 standards and we have evaluated the competence, capabilities and objectivity of the verification team and the adequacy of its work based on a review of the work planning activities and reports issued.
- Obtaining a management representation letter from the directors and management.

Conclusion

Based on the procedures performed in our verification and the evidence we have obtained, nothing has come to our attention that causes us to believe that:

- Telefónica's NFS for the year ended 31 December 2021 has not been prepared, in all material respects, in accordance with the provisions of current mercantile legislation and in accordance with the criteria of the GRI Standards described in line with the Exhaustive option in accordance with the details provided for each matter in the tables: "2.17.9. Compliance table of Spanish Law 11/2018 of 28 December – GRI Standards".
- The information included in the section "1.4. Materiality" of Telefónica's CMR, regarding the application of the principles of inclusivity, materiality, responsiveness and impact, has not been prepared, in all of their significant matters, in accordance with the provisions of the AA1000AP (2018).

Emphasis of matter

Regulation (EU) 2020/852 of the European Parliament and of the Council of 18 June 2020, relating to the establishment of a framework to facilitate sustainable investments, establishes the obligation to disclose information on the manner and extent to which the company's activities are associated with economic activities considered to be environmentally sustainable in relation to the objectives of climate change mitigation and adaptation to climate change for the first time for the year 2021, provided that the NFS is published as from 1 January 2022. Consequently, comparative information on this matter has not been included in the accompanying NFS. In addition, information has been included in respect of the criteria that the directors of Telefónica have chosen to apply that, in their opinion, best allow compliance with the new obligation and that are defined in section "2.5. European taxonomy of sustainable activities" of the accompanying NFS. Our conclusion is not modified in respect of this matter.

Recommendations

Regarding the observations and recommendations for improvement which have arisen from the implementation of our assurance engagement, we proceed to suggest some recommendations which seek to empower the application of the principles of inclusivity, materiality, responsiveness and the impact of the AA1000AP Standard (2018). Nevertheless, these improvements do not modify the limited or moderate nature of this assurance engagement report.

Inclusivity

During the 2021 financial year, the Group indicates to have integrated, as part of its strategy, the concept of dual materiality, focusing both on the creation of value for the company, as well as on society and the environment. Telefónica addresses this matter in the section "C. Commitment to stakeholders, including their perception of the issues identified and evaluated" which is part of the heading "1.4.2. Double materiality determination process" of its CMR, describing the way in which its main stakeholders participate in the establishment of relevant sustainability issues for the organization.

In line with the foregoing, it is recommended that Telefónica continues working, identifying the impacts on the affected stakeholders based on the real or potential damages or benefits for the affected parties.

In this sense, we recommend aligning the materiality process with the recommendations established in the draft of the Double Materiality guideline (*Double materiality conceptual guidelines for standard-setting*) of the EFRAG (European Financial Reporting Advisory Group).

Relevance

The proposal for a CSRD Directive (*Corporate Sustainability Reporting Directive*) by which the Non-Financial Reporting Directive 2014/95/EU would be modified incorporates the concept of dual materiality, urging entities to contemplate and provide more information on how non-financial aspects impact the entity's financial position and results ("financial materiality" or "inward impacts") as well as on how society impacts the environment in a broad sense (including social, environmental, protection of human rights, etc.) and, consequently, how the entity impacts the different interest groups ("environmental and social materiality" or "outward impacts").

Telefónica's analysis of double materiality has been carried out in four steps: identification and updating of the key issues; evaluation and prioritization; commitment to stakeholders and supervision and validation of the process that allows evaluating the impact from a global perspective, according to the impact on the value of Telefónica and the impact on society and the environment.

In this sense, it is recommended that Telefónica continues advancing and adapting to the recommendations of the proposal of the Directive mentioned above. It is advisable for Telefónica to address this double materiality analysis based on each of the relevant aspects, creating its own matrixes for each stakeholder group based on the relevant aspect identified.

Responsiveness

The dual materiality approach helps the Group to respond to relevant sustainability issues and their related impacts on its external and internal stakeholders and ensures that Telefónica's decisions, actions and performance incorporate relevant issues and their related impacts. Thanks to the creation of the diverse communication channels, action plans have been established which respond to the needs that have arisen, generating positive impacts, and minimizing their counterparts.

Responding to stakeholders in a way that addresses the specific needs, concerns and expectations of each group has become a strategic aspect for all entities. In this matter, we recommend that Telefónica identifies the communication channels and interest groups associated with relevant issues that have emerged in the double materiality analysis. By doing this, Telefónica would be able to associate specific communication channels for each indicator through a correlation exercise of the relevant aspects, the stakeholders affected and the available communication channels.

Impact

In 2021, the Key Performance Indicators (KPIs) reflected in 2020 and 2019 have been maintained, which allows us to evaluate performance in comparison to previous years.

In this sense, it is recommended that the Group continues working on the alignment of the different KPIs identified, associating them with their different interest groups, which will allow an improvement in the understanding, measurement, evaluation, and management of the organization's impacts.



Use and distribution

This report has been drawn up in response to the requirement established in current Spanish mercantile legislation and therefore may not be suitable for other purposes and jurisdictions.

PricewaterhouseCoopers Auditores, S.L.

A handwritten signature in black ink, appearing to read "Pablo Bascones Ilundain".

Pablo Bascones Ilundáin

25 February 2022



AENOR

Confía

Verification Statement of AENOR for Telefónica on the Inventory of greenhouse gas emissions corresponding to the year 2021

DOSSIER: 2009/1123/GHG/01

Introducción

Telefónica (hereinafter the company) commissioned AENOR INTERNACIONAL, S.A.U. (AENOR) to make a limited revision of the inventory of greenhouse gases (GHG) of its activities included in the GHG report of 2021, which is part of this Declaration.

AENOR is accredited by Entidad Mexicana de Acreditación (OVVGEI 004/14) (issue date: 31/10/2014), update date 19/07/2021), according to ISO 14065:2013, to conduct GHG verifications according to ISO 14064-3:2006 in the Energy and Waste Sector.

Inventory of GHG emissions issued by the Organisation: Telefónica, C/ Ronda de la Comunicación, Distrito Telefónica, Madrid

Representatives of the Organisation: Maya Ormazábal Herrero/Camilo Andrés Guarín García, Climate Change and Energy Efficiency Office of Telefónica.

Telefónica was responsible for reporting its GHG emissions considered in accordance with the reference standard ISO 14064-1:2006.

Objective

The objective of the verification is to provide the interested parties with an independent and professional opinion on the information and data contained in the above mentioned GHG Report issued by Telefónica.

Scope of the Verification

The GHGs and emissions sources considered as well as the organizational boundaries from the activities of Telefónica included in the GHG inventory are described below.

The GHG inventory of the organization includes the following GHGs: CO₂, CH₄, N₂O, HFCs and HCFCs.

For the verification process, a control approach is considered, under which Telefónica accounts for emissions attributable to the operations and facilities over which it exercises operational control.

Facilities is understood as base stations, technical buildings, vehicle fleets, office buildings, call centers and stores. Under this approach, the scope of the geographic verification is established for the following countries where the Telefónica Group operates:

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Organizational and geographic boundaries	Latin America	Telxius Group
Europe		
Spain	Argentina (fixed and mobile networks)	
Fixed and mobile networks	Brazil (fixed and mobile networks)	
Corporate Buildings	Chile (fixed and mobile networks)	
Distrito Telefónica	Colombia (fixed and mobile networks)	
Diagonal Building	Ecuador (mobile network)	
Gran Via Building	Mexico (mobile network)	
Boecillo Building	Peru (fixed and mobile networks)	
Germany (fixed and mobile networks)	Uruguay (mobile network)	
	Venezuela (mobile network)	

Direct, indirect activities and exclusions from the verification.

- Scope 1- Direct GHG emissions
- Scope 2 – Energy Indirect GHG emissions
- Scope 3- Other Indirect emissions:
 - Purchased goods and services
 - Capital goods
 - Fuel- and energy-related activities (not included in scope 1 or scope 2)
 - Business travel
 - Use of sold products
 - Investments

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Base Year

Telefónica has selected 2015 as the base year for Scope 1 and 2 and 2016 for Scope 3.

Due to a change in the organisational and geographical boundaries of the organisation, a recalculation of the base year and subsequent years for Scope 1 and 2 emissions and energy data has been carried out, so that the data are comparable.

On the other hand, due to an improvement in the Scope 3 emissions calculation methodology and a change in the organisational and geographical boundaries, a recalculation of the base year and subsequent years has been carried out, so that the data are comparable.

Materiality

For the verification it was agreed to consider as material discrepancies those omissions, distortions or errors that could be quantified and result in a difference of more than 5% with respect to the total of emissions declared.

Criteria

In general, the verification of the Greenhouse Gas Inventory Report has been carried out taking into account the requirements set out in the Greenhouse Gas Inventory Report:

- a) GHG Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- b) ISO 14064-3:2006 Standard: Specification with guidance for the validation and verification of greenhouse gas assertions

AENOR expressly disclaims any responsibility for investment or other decisions based on this statement.

Conclusion

As a conclusion and according to the limited level of assurance agreed, AENOR states:

There is no evidence to suggest that Telefónica's information reported greenhouse gas emissions for the 2021 period is not a true and fair representation of the emissions from its activities.

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Consistent with this Declaration, the emissions and energy consumption data finally verified are listed below:

Recalculated data:

Emissions data:

Emisiones t CO2e (Scope 1 y 2)	2015	2016	2017	2018	2019	2020
Scope 1: Direct GHG emissions	286.200,8	281.517,4	287.514,5	245.281,5	229.296,0	207.872,1
Scope 2: Energy indirect GHG emissions (Location-Based Method)	1.869.500,0	1.712.201,6	1.581.452,0	1.688.691,4	1.511.089,1	1.261.306,2
Scope 2: Energy indirect GHG emissions (Market-Based Method)	1.524.954,5	1.047.750,9	973.791,6	879.765,5	657.023,5	467.586,5

Emisiones t CO2e (Alcance 3)	2016	2019	2020
Scope 3: Other indirect GHG emissions (total)	2.855.543,5	2.699.717,5	2.146.226,1
o Purchased goods and services	1.373.189,0	1.471.988,3	1.087.348,6
o Capital goods	448.341,6	287.968,40	180.470,8
o Fuel- and energy-related activities (not included in scope 1 or scope 2)	244.512,4	153.152,9	143.989,3

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Emisiones t CO₂e (Alcance 3)	2016	2019	2020
○ Business travel	93.639,7	66.359,9	10.153,2
○ Use of sold products	695.860,8	720.247,9	724.264,1

Energy consumption data:

Consumption	Unidad	2015	2016	2017	2018	2019	2020
Total energy consumption (MWh)	MWh	6.577.766,3	6.366.567,2	6.380.440,5	6.454.594,7	6.399.655,1	6.269.962,1
Total electricity consumption (MWh) + Self-generation of renewable energy (MWh)	MWh	6.186.884,7	5.916.881,0	5.955.858,9	6.021.856,0	6.028.893,4	5.966.241,7
Fuel and District heating (MWh)	MWh	390.881,6	449.686,3	424.581,6	432.738,7	370.761,7	303.720,4
Consumption of electricity from renewable sources including self-generation (MWh)	MWh	980.553,4	2.326.746,4	2.408.210,3	2.974.667,9	4.236.125,2	4.518.038,4
% Consumption of renewable electricity in own facilities	Porcentaje	17,2%	44,1%	42,7%	50,4%	73,8%	78,7%

Data Year 2021:

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Year : 2020	t CO₂e
Scope 1: Direct GHG emissions	183.231,2
Scope 2: Energy indirect GHG emissions (Location-Based Method)	1.212.173,5
Scope 2: Energy indirect GHG emissions (Market-Based Method)	353.505,6
Scope 3: Other indirect GHG emissions (total)	2.105.112,6
○ Purchased goods and services	1.153.314,5
○ Capital goods	174.729,0
○ Fuel- and energy-related activities (not included in scope 1 or scope 2)	138.675,5
○ Business travel	5.394,6
○ Use of sold products	600.045,8
○ Investments	32.953,1
Biogenic emissions	9.020,3
Emissions offsets	63.018,4
Net Emissions [Scope 1 + Scope 2(market) - Emissions offsets]	473.718,3
Directed actions	68.832,9

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Energy consumption data:

Year: 2021	
Total energy consumption (MWh)	6.106.625,4
Total electricity consumption (MWh) + Self-generation of renewable energy (MWh)	5.815.664,8
Fuel and District heating (MWh)	290.960,7
Consumption of electricity from renewable sources including self-generation (MWh)	4.680.973,8
% Consumption of renewable electricity in own facilities	79,4%
Directed actions (MWh)	301.711,6

Directed actions:

2021 Energy Efficiency Plan: In order to optimise the energy consumption of Telefónica's communications network, different actions have been implemented, among which the following stand out:

- Network transformation
- Cooling
- Modernization of power equipment
- Lighting
- Power Saving Features
- Self-consumption

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Derived from the implementation of the 2020 Energy Efficiency Plan, a saving of **68.832,8 tCO2e** was achieved (equivalent to a saving of **301.711,6 MWh** in electricity consumption).

Lead Verifier: D. Jesús Carlos SAN MELITON SANZ

Technical Evaluator: D. Fernando SEGARRA ORERO



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Madrid, 10th of February 2022

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Verification Statement of AENOR for Telefónica United Kingdom on the Inventory of greenhouse gas emissions corresponding to the year 2021

DOSSIER: 2009/1133/GHG/01

Introducción

Telefónica (hereinafter the company) commissioned AENOR INTERNACIONAL, S.A.U. (AENOR) to make a limited revision of the inventory of greenhouse gases (GHG) of its activities included in the GHG report of 2021, which is part of this Declaration.

AENOR is accredited by Entidad Mexicana de Acreditación (OVVGEI 004/14) (issue date: 31/10/2014), update date 10/07/2021), according to ISO 14065:2013, to conduct GHG verifications according to ISO 14064-3:2006 in the Energy and Waste Sector.

Inventory of GHG emissions issued by the Organisation: Telefónica, C/ Ronda de la Comunicación, Distrito Telefónica, Madrid

Representatives of the Organisation: Maya Ormazábal Herrero/Camilo Andrés Guarín García, Climate Change and Energy Efficiency Office of Telefónica.

Telefónica was responsible for reporting its GHG emissions considered in accordance with the reference standard GHG PROTOCOL.

Objective

The objective of the verification is to provide the interested parties with an independent and professional opinion on the information and data contained in the above mentioned GHG Report issued by Telefónica.

Scope of the Verification

The GHGs and emissions sources considered as well as the organizational boundaries from the activities of Telefónica included in the GHG inventory are described below.

The GHG inventory of the organization includes the following GHGs: CO₂, CH₄, N₂O, HFCs and HCFCs.

For the verification process, a control approach is considered, under which Telefónica accounts for emissions attributable to the operations and facilities over which it exercises operational control.

Facilities is understood as base stations, technical buildings, vehicle fleets, office buildings, call centers and stores. Under this approach, the scope of the geographic verification is established.

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Direct, indirect activities and exclusions from the verification.

- Scope 1- Direct GHG emissions
- Scope 2 – Energy indirect GHG emissions

Base Year

Telefónica has selected 2015 as the base year for Scopes 1 and 2.

Materiality

For the verification it was agreed to consider as material discrepancies those omissions, distortions or errors that could be quantified and result in a difference of more than 5% with respect to the total of emissions declared.

Criteria

In general, the verification of the Greenhouse Gas Inventory Report has been carried out taking into account the requirements set out in the Greenhouse Gas Inventory Report:

- a) GHG Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- b) ISO 14064-3:2006 Standard: Specification with guidance for the validation and verification of greenhouse gas assertions

AENOR expressly disclaims any responsibility for investment or other decisions based on this statement.

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Conclusion

As a conclusion and according to the limited level of assurance agreed, AENOR states:

There is no evidence to suggest that Telefónica United Kingdom's information reported greenhouse gas emissions for the 2021 period is not a true and fair representation of the emissions from its activities.

Consistent with this Declaration, the emissions and energy consumption data finally verified are listed below:

Emissions data:

Year: 2021 (JANUARY-MAY)	t CO ₂ e
Scope 1: Direct GHG emissions	1.410
Scope 2: Energy indirect GHG emissions (Location-Based Method)	46.368
Scope 2: Energy indirect GHG emissions (Market-Based Method)	13.926

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Energy consumption data:

Year: 2021 (JANUARY-MAY)	
Total energy consumption (MWh)	223.657
Total electricity consumption (MWh) + Self-generation of renewable energy (MWh)	218.417
Fuel and District heating (MWh)	5.239
Consumption of electricity from renewable sources including self-generation (MWh)	174.347
% Consumption of renewable electricity in own facilities	100%

Lead Verifier: D. Jesús Carlos SAN MELITON SANZ

Technical Evaluator: D. Fernando SEGARRA ORERO



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Madrid, 10th of February 2022

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2.18. Reasonable assurance

2.18.1. Strengthening the control of Non-Financial Information

Telefónica is aware of the growing importance of reporting non-financial information to its stakeholders. This is a growing demand not only from our customers and society as a whole, but also from investors and regulators. Specifically, in Spain, the revision of the Code of Good Governance in June 2020 recommended strengthening the powers of the audit committee by assigning it the supervision of the control and management systems for non-financial risks, ensuring that the internal control policies and systems are effectively applied in practice, in line with the guidelines established in 2017 with the CNMV's Technical Guide 3/2017.

For this reason, in 2019, Telefónica began to design the System of Internal Control over Non-Financial Information (SCIINF). The project covers risk management, control activities, information and communication processes and oversight activities for the entire non-financial reporting process. The aim is to provide a control framework for the Non-Financial Information to be reported in the Telefónica Group's Consolidated Management Report.

This project materialised in 2020 and 2021 by obtaining a six-indicator reasonable assurance report from the external verifier, PwC:

High-risk suppliers identified in the internal risk analysis (No.)

High-risk suppliers assessed (%)

Suppliers blocked due to ethical and sustainability issues (No.)

Net Promoter Score (NPS) (%)

Severe digital security breaches with impact on customers (No.)

Privacy and data protection fines (No.)

As referred to in section 2.17.5. Principles for the preparation of the Non-Financial Information (NFI) Statement, Telefónica reports non-financial information according to the GRI and SASB standards and frameworks.

The reasonable assurance procedures performed by the external verifier covered the Telefónica Group's main operators in Spain, Brazil and Germany for the purposes of the Telefónica Group Integrated Report as at 31 December 2021.

The Company will continue with the implementation of this project in order to strengthen its SCIINF.

Indicators included in Reasonable Assurance, 2021

Indicator	Value ⁽¹⁾
High-risk suppliers identified in the internal risk analysis (No.)	347
High-risk suppliers assessed (%)	72
Suppliers blocked due to ethical and sustainability issues (No.)	9
Net Promoter Score (NPS) (%)	27
Severe digital security breaches with impact on customers (No.)	1
Privacy and data protection fines (No.)	16
Of which the result of a security breach or incident (No.)	0

(1) Aggregate data for Telefónica Spain, Telefónica Germany, Telefónica Brazil and their subsidiaries, the scope of consolidation of which is given in Appendix I: Subsidiaries of Telefónica Group included in the report of section 2.18.1. Strengthening the control of Non-Financial Information of the Independent reasonable assurance report..

Criteria for the development and reporting of indicators

High-risk suppliers identified in the internal risk analysis	<p>Total number of suppliers awarded contracts during the reporting period that may pose a sustainability risk because they supply at least one of the products or services classified as high risk by the corporate analysis and have a significant impact on the Company's business and strategy (an award volume of more than one million euros).</p> <p>A product or service classified as high risk by the Telefónica Group is one whose arithmetic mean of the variables considered in the internal analysis exceeds 6.3 points (out of 9 points), i.e. 70% of the maximum possible risk.</p>
	<p>The global Environment and Human Rights Area, with support from Procurement, assigns a qualitative risk level to each variable for each category of products/services marketed, according to the following scores:</p>
	<p>High risk: 3 points Medium risk: 2 points Low risk: 1 point</p>
	<p>The variables considered for the analysis are:</p>
	<p>Specific sustainability aspects in the supply chain, based on public/internal studies of the areas concerned (labour conditions, health and safety, environmental, human rights, conflict minerals, privacy and data protection and customer promise) at the time of the analysis. Assessment according to the possible origin of the service or product (and its components). As a reference, we use The Human Rights Index by Verisk Maplecroft, which shows the level of risk in terms of Human Rights for the different countries from which the product/service comes.</p>
High-risk suppliers assessed	<p>Total number of high-risk suppliers identified in the internal risk analysis and awarded contracts in the year that have been evaluated or are in the process of being evaluated on the external EcoVadis platform in relation to the total number of high-risk suppliers identified in the internal risk analysis (except suppliers in the invitation process).</p>
	<p>EcoVadis (www.ecovadis.com) is an external provider of sustainability ratings used to evaluate and score suppliers on their sustainability performance (environment, ethics, labour practices, human rights and sustainable procurement).</p>
Suppliers blocked due to ethical and sustainability issues	<p>Total number of suppliers blocked in the Global Procurement System for reasons of non-compliance with ethical or sustainability aspects:</p>
	<p>Blocking of suppliers for reasons of non-compliance with ethical aspects: carried out through the automatic comparison of suppliers managed through Telefónica's procurement model with the Dow Jones Risk & Compliance Watchlist ('Watchlist') database. This database has information on profiles of individuals and entities in order to identify suppliers considered to be at high risk of incurring in ethical conflicts or corruption. Telefónica pre-emptively blocks all suppliers that match certain Watchlist parameters. Subsequently, the Compliance Area conducts a qualitative analysis of suppliers who have been blocked on a preventive basis, and the result of the analysis may lead to these suppliers being temporarily or permanently blocked or unblocked.</p>
	<p>Blocking of suppliers on the grounds of non-compliance with sustainability aspects: based on the analysis of the EcoVadis assessment, suppliers with a score of less than 25/100 are blocked.</p>
	<p>The supplier may be blocked for non-compliance with ethical or sustainability issues identified in both the reporting year and previous years.</p>

Net Promoter Score (NPS) NPS is defined as the willingness of a Telefónica customer to recommend products/services under the Movistar, O2 and Vivo brands.

The calculation refers to the % of customers classified as promoters (score of 9 and 10) minus the % of customers classified as detractors (score from 1 to 6 included).

To obtain the % of customers in each category (promoters and detractors), a survey of a sample of customers* is carried out and then weighted to represent the reality of Telefónica's customers in each country/segment/sub-segment.

The weighting of the NPS results is based on the following variables:

- a. Global NPS: representativeness of each country's net revenue budget in the current year.
- b. Total country NPS: representativeness of each segment's net revenue budget in the current year. The segments differ according to the reporting country. Main segments include: mass market, corporate, SME, large accounts, Blau, O2, B2P, fixed line residential, prepaid mobile, postpaid mobile.
- c. Segment NPS: according to the needs of each country and to guarantee better representativeness of the sample, the shares in the study are sub-segmented according to the variables of total revenues of the previous year and accesses.

The reported NPS refers to the moving average of the last quarter of the year except for the country segments outlined below:

- a. Spain: The "key accounts" segment refers to the annual moving average.
- b. Brazil: The "companies" segment refers to the annual half-yearly average.

In addition, for specific cases where the required samples of a given segment are not reached, half-yearly averages are used to ensure the representativeness of the samples.

*Sample size calculation:

To calculate the sample size needed in the NPS study for each of the segments, the following formula should be considered:

$$n = \frac{k^2 * VAR_{NPS}}{I.C.^2}$$

Where:

- a. n: sample size.
- b. K=1.96 (Reliability Factor associated with a confidence level of 95%).
- c. VARNPS: Variance of the NPS.
- d. C.I. desired Confidence Interval.

The calculation of the variance of the NPS is given by:

$$VAR(NPS) = (1 - NPS)^2 * \%P + (0 - NPS)^2 * \%N + (-1 - NPS)^2 * \%D$$

Where:

%P: the percentage of Promoters, %N: the percentage of Neutrals and %D: the percentage of Detractors.

$$NPS = \%P - \%D$$

The segment level formula to be applied to calculate the standard error of the NPS is as follows:

$$EE = \frac{s}{\sqrt{n}}$$

Where:

- SE: Standard Error.
s: standard deviation of the sample. It is also the square root of the variance.
n: sample size.

The Standard Error for the weighted country total is calculated from the standard error of each segment and the respective segment weights:

$$EE_{(total_pais)} = \sqrt{\sum(W_{segmento} * EE_{segmento})^2}$$

Where:

- W: Weight of the segment in the country total.
SE: Standard Error.

Serious digital security breaches with impact on customers	<p>Total number of digital security breaches or incidents classified as serious by the Telefónica Group that have compromised the security of customers' personal data as a result of a cyber threat or attack.</p> <p>A 'digital security breach or incident' is any event that has an actual adverse impact on network and information systems security and is caused by a cyber threat.</p> <p>Of such events, those classified as serious (critical severity) are the ones which have a high impact for the Group company concerned and meet one of the following criteria:</p> <ul style="list-style-type: none"> Estimated direct economic impact of more than 500,000 euros. Significant traditional and social media coverage, valued by the local cybersecurity team. Impact on the continuity of a main service (mobile or fixed telephony, Internet, etc.), affecting more than 10% of users for at least one hour. Affecting more than 25% of the systems. Relation to leakage of customer or employee data if more than 5% of the customers or employees have been affected. They may also be considered as having a high impact when, without reaching the threshold, they pose a high risk for the rights and freedoms of natural persons. Other (justification by the Security Officer). <p>A 'cyber threat' is defined as the potential cause of an unexpected incident, which may result in damage to an information asset or to the organisation, and whose action is carried out via the Internet or communication networks.</p> <p>A 'cyber attack' is the materialisation of a cyber threat.</p>
Privacy and data protection fines	Total number of definitive financial penalties for privacy and data protection matters related to customers, employees or others (e.g. potential customers, non-customer web users, etc.) awarded by a Competent Authority with no possibility of appeal under applicable local law.
Privacy and data protection fines as a result of a security breach or incident (No.)	In addition to the total number, those sanctions that meet the above definition and are also the consequence of a personal data breach are reported as a subset of the indicator called 'Privacy and data protection fines'.

A 'personal data breach' is a single event or series of unexpected or unwanted security events that have a high probability of compromising business operations and threatening information security vis-à-vis confidentiality, integrity or availability, and result in the accidental or unlawful destruction, loss or alteration or unauthorised disclosure of, or access to, personal data transmitted, stored or otherwise processed, or the unauthorised disclosure of, or access to, such data, such as those resulting from lost or stolen devices, data leakage, ransomware or unintentional communications.



Telefónica, S.A.

Independent reasonable assurance report
Non-financial indicators
31 December 2021



This version of our report is a free translation of the original, which was prepared in Spanish. All possible care has been taken to ensure that the translation is an accurate representation of the original. However, in all matters of interpretation of information, views or opinions, the original language version of our report takes precedence over this translation.

Independent reasonable assurance report

To the Board of Directors of Telefónica, S.A.:

We have carried out a reasonable assurance engagement on the non-financial indicators contained in the table "Indicators included in Reasonable Assurance 2021" in section "2.18.1 Strengthening the control of Non-Financial Information" (hereinafter "section 2.18.1") of the Consolidated Management's Report for 2021 of Telefónica, S.A. (Parent Company) and subsidiaries related to the Telefónica group companies identified in Appendix I and operating in the markets of Spain, Brazil and Germany, linked to its core business, which is mainly associated with the deployment of telecommunications networks and the management and marketing of services related to the networks (hereinafter "Telefónica's main operators"), for the year ended 31 December 2021, prepared in accordance with the "Criteria for the development and reporting of indicators", contained in section 2.18.1 and established by Telefónica S.A.

Responsibility of the directors

The directors of Telefónica, S.A. are responsible for the preparation, content and presentation of the non-financial indicators prepared in accordance with the "Criteria for the development and reporting of indicators" contained in section 2.18.1. This responsibility includes the design, implementation and maintenance of the internal control that is considered necessary to enable the non-financial indicators to be free from material misstatement, whether due to fraud or error.

Telefónica S.A.' directors are also responsible for defining, implementing, adapting, and maintaining the management systems from which the necessary information for the preparation of the non-financial indicators is obtained.

Our responsibility

Our responsibility is to issue a reasonable assurance report based on the procedures we have performed and the evidence we have obtained. We conducted our reasonable assurance engagement in accordance with International Standard on Assurance Engagements (ISAE) 3000 Revised, "Assurance Engagements Other than Audits and Reviews of Historical Financial Information" (ISAE 3000 Revised), issued by the International Auditing and Assurance Standards Board (IAASB) of the International Federation of Accountants (IFAC).

A reasonable assurance engagement, in accordance with ISAE 3000 Revised, includes obtaining an understanding of the System of Internal Control over Non-Financial Information, assessing the risk that material weaknesses in the internal control may exist, that controls are not adequately designed or operating effectively, performing such tests and evaluating the design and implementation effectiveness of such system which are based on our professional judgment, and the performance of other procedures considered to be necessary.



We believe that the evidence we have obtained provides a sufficient and appropriate basis for our opinion.

A summary of the procedures performed is described hereafter:

- Meetings and interviews with the managers and personnel of Telefónica, S.A. and the various units of Telefónica's main operators involved in the preparation of section 2.18.1 of the Consolidated Management Report, including the responsible of obtaining, validating, and compiling the information included therein.
- Analysis of the procedures and systems used to compile and validate the information presented in section 2.18.1 of the Consolidated Management Report.
- Analysis of the adaptation and presentation of the non-financial indicators to the "Criteria for the development and reporting of indicators" established by Telefónica S.A. and Telefónica's main operators, as well as the consistent application of mentioned criteria.
- Obtaining the original supporting documentation, quantitative or qualitative, obtained from the information management systems of Telefónica's main operators or from external sources, used in the preparation of the non-financial indicators.
- Performing tests in the design and effectiveness of the internal controls established in the process of compiling and validating the information included in the non-financial indicators.
- Performing substantive detailed testing on the non-financial indicators of Telefónica's main operators.
- Verification, by means of tests, based on the selection of a sample of quantitative information on the non-financial indicators of Telefónica's main operators. We have also checked that they are adequately compiled from the data supplied by the information sources of Telefónica's main operators.
- Obtainment of a management representation letter from the directors and the management of Telefónica S.A.

Our independence and quality control

We have complied with the independence requirements and other ethical requirements of the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants ("IESBA") which is based on the fundamental principles of integrity, objectivity, professional competence, and due care, confidentiality, and professional behaviour.

Our firm applies the International Standard on Quality Control 1 (ISQC 1) and therefore has in place a global quality control system which includes documented policies and procedures related to compliance with ethical requirements, professional standards, and applicable legal and regulatory provisions.



Opinion

In our opinion, the non-financial indicators of Telefónica's main operators for the year ended 31 December 2021 included in the table "Indicators included in Reasonable Assurance, 2021" in section 2.18.1 of the Consolidated Management's Report have been appropriately and reliably prepared, in all material respects, in accordance with the "Criteria for the development and reporting of indicators" contained in section 2.18.1 and established by Telefónica, S.A.

Use and distribution

Our report is issued solely to the directors of Telefónica S.A., in accordance with the terms of our engagement letter. We accept no responsibility to parties other than the directors of Telefónica, S.A.

This work does not constitute an account audit and is not subject to the current audit regulations in Spain and, accordingly, we do not express an audit opinion in accordance with those regulations.

PricewaterhouseCoopers Auditores, S.L.

A handwritten signature in black ink, appearing to read "Pablo Bascones Ilundain".

Pablo Bascones Ilundáin

25 February 2022



Appendix I: Subsidiaries of Telefónica Group included in the report of section 2.18.1 Strengthening the control of Non-Financial Information

Telefónica Spain

- Telefónica de España, S.A.U.
- Telefónica Soluciones de Informática y Comunicaciones de España, S.A.U.
- Telefónica Soluciones de Outsourcing, S.A.
- Teleinformática y Comunicaciones, S.A.
- Acens Technologies, S.L.
- Telefónica Móviles España, S.A.U.
- Telefónica Servicios Integrales de Distribución, S.A.U.
- Compañía Independiente de Televisión, S.L.
- Telefónica Audiovisuales Digital, S.L.U.
- Telefónica Servicios Audiovisuales, S.A.U.
- Telefónica de Contenidos, S.A.U.
- TBSC Barcelona Producciones, S.L.U.
- Telefónica Global Technology, S.A.U.
- Buendía Producción, S.L.
- Telefónica Broadcast Services, S.L.U.

Telefónica Germany

- Telefónica Germny Management GmbH.
- Telefónica Deutshland Holding A.G.
- Telefónica Germany GmbH & Co. OHG.
- TGCS Rostock GmbH.
- Telefónica Germany 1.Beteiligungs GmbH.
- Wayra Deutschlad GmbH.
- TCHIBO Mobilfuk GmbH & Co. KG.
- TCHIBO Mobilfunk Beteiligungs, GmbH.
- Telefónica Deutschland Finanzierungs GmbH.
- TGCS Nürnberg GmbH.
- TGCS Bremen GmbH.
- TGCS Hamburg GmbH.
- TGCS Berlin GmbH.
- TGCS Essen & Postdam GmbH.
- Telefónica Germany Next GmbH.
- Telefónica Germany Retail GmbH.
- E-Plus Service GmbH & Co.
- AY YILDIZ Communications
- TFS Postdam GmbH.
- Telefónica Germany Zweite Mobilfunk Standortgesellschaft mbH
- Ortel Mobile GmbH.

Telefónica Brazil

- Telefónica Brasil, S.A.

Chapter 3

Risks

3.1. Risks management and control model

3.2. Risks map and risks profile

3.3. Risks factors detail



3.1. Risk management framework

GRI 103, 102-15, 102 - 30

KEY POINTS

- Aligning risks with the Group's strategy is essential to achieve our objectives, contributing to value creation.
- Our enterprise risk management (ERM) framework facilitates preventive action against risks, both globally and in the main Group operating businesses.
- Training and involving employees in the risk management culture, encouraging them to identify risks and actively participate in their mitigation is one of the basic principles that guide risk management.

3.1.1. Introduction and reference frameworks

Telefónica has a Risk Management Framework, based on the model established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO¹). This framework has been implemented homogeneously throughout the Group's main operations, so that the Company Managers, within their scope of action, can perform a timely identification, assessment, response and monitoring of the main risks.

This model, which is inspired by best practices, facilitates the prioritization and development of coordinated actions against risks, both from a global Group perspective, and a specific focus on its main operations.

The Telefónica's Business Principles specifically state that:

"We establish appropriate controls to evaluate and manage all relevant risks to the Company"

Extract from Responsible Business Principles of Telefónica

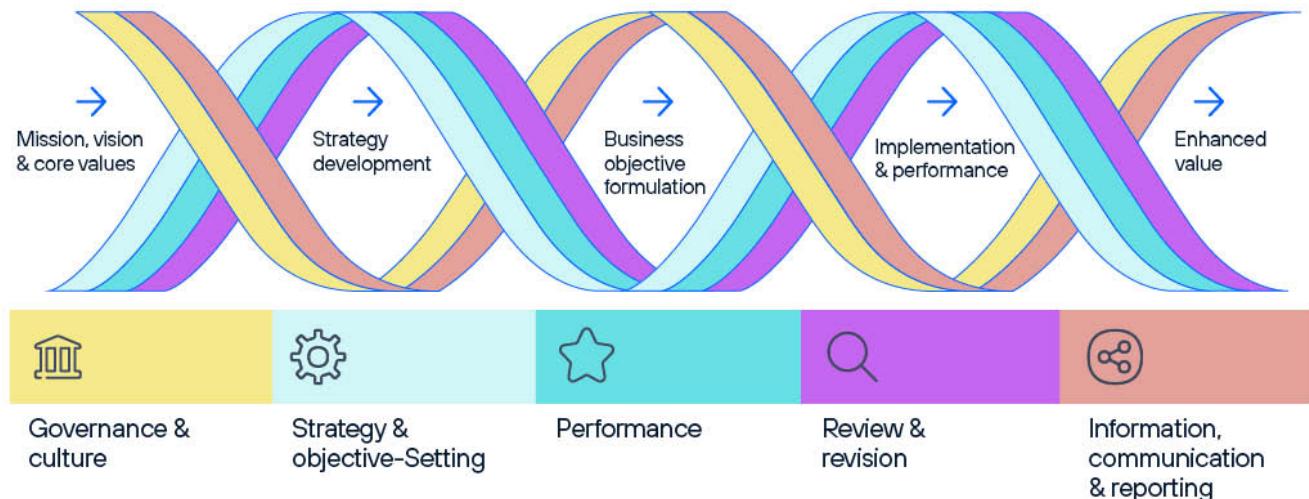
In this sense, the Company has a **Risk Management Policy**, approved by the Board of Directors, and a **Corporate Risk Management Manual**, both based on experience, best practices and Good Corporate Governance recommendations; contributing to the continuous improvement in business performance.

3.1.2. Risks and strategy

Telefónica Risk management remains embedded in our planning process and is fully aligned with our strategy, in line with the requirements of COSO ERM 2017.

¹ COSO ERM framework, "Enterprise Risk Management -Integrating with Strategy and Performance", released in September 2017 by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). COSO is one of the most important reference on internal control, enterprise risk management, and fraud deterrence

COSO ERM Framework



"The main risks are linked to the Company's strategic objectives"



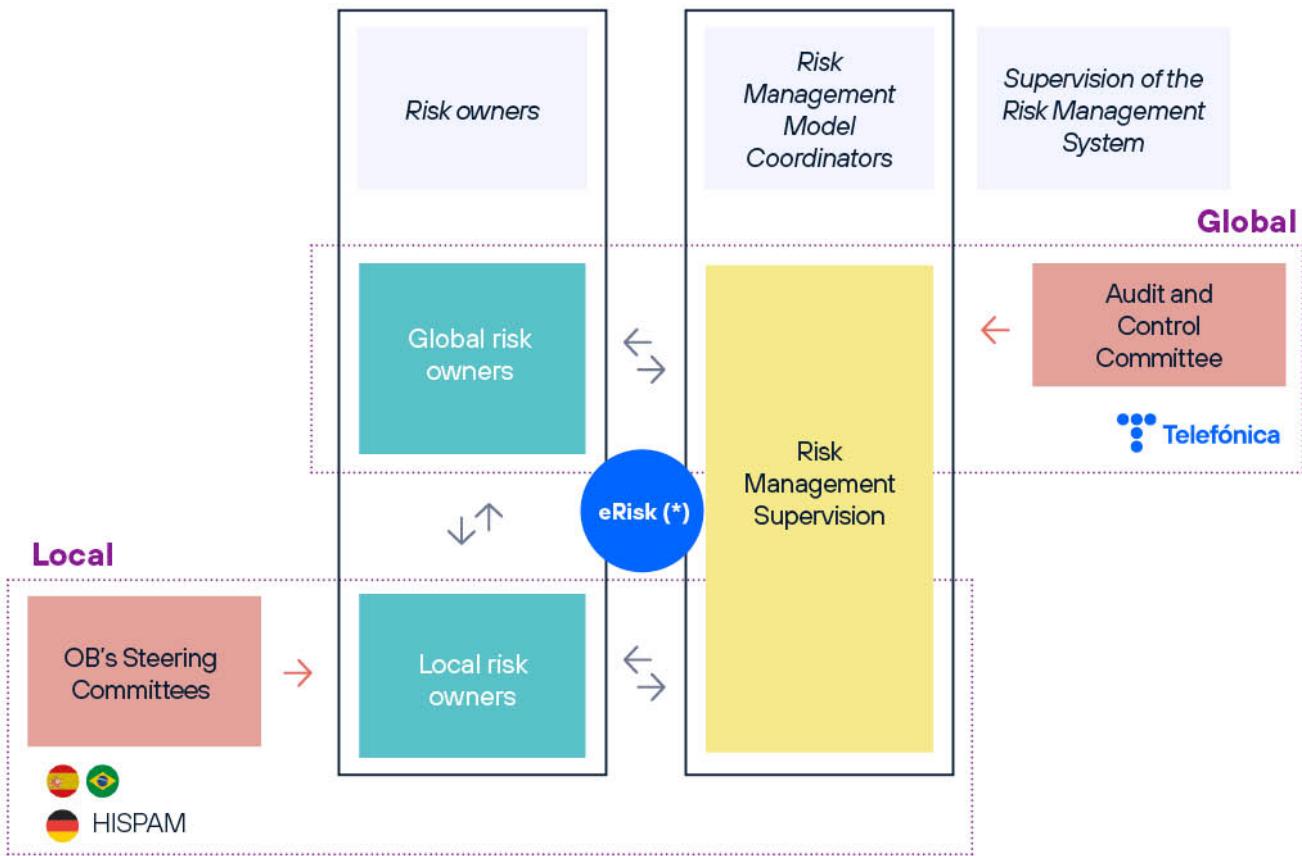
[Go to chapter 1.5 Startegy](#)

3.1.3. Risk Management Governance

Both the Telefónica's Business Principles and the Risk Management Policy mentioned above, establish that the entire organization has the responsibility to contribute to the identification and management of risks. For the coordination of these activities, the following roles have been established:

Some of the risks most directly related to the Company's strategy relate mainly to the need for anticipation and adaptation, in an appropriate time, to constant technological changes and new forms of connectivity (e.g. IoT, "Internet of Things"), as well as changes in customer preferences in the industry.

Risk Management Governance



(*) Internal risk management tool

Supervision of the Risk management system

The Regulations of the Board of Directors of Telefónica, SA, establish that the primary duty of the Audit and Control Committee (ACC) shall be to support the Board of Directors² in its supervisory duties, including the supervision of the risk management framework, including tax risks. With respect thereto, it shall be responsible for proposing to the Board of Directors a risk control and management policy, which shall identify at least the following: the types of risk facing the company; the setting of the risk level that the Company deems acceptable; the measures to mitigate the impact of the identified risks, should they materialize; and the control and information systems to be used to control and manage the above-mentioned risks.

To support the Audit and Control Committee in the development of these oversight activities, a risk management function has been established, within Internal Audit, independent of the management, in order to promote, support, coordinate and monitor the implementation of the provisions of this Policy both at Group level and in its main operating businesses.

In order to ensure an adequate supervision of the Telefónica's risk management framework by the Audit and Control Committee, various sessions are held at that committee, through:

Overall presentations on the risk management framework and the situation of the main risks, carried out by Internal Audit. Specifically, during 2021, two general presentations on risks have been made to the Audit and Control Committee of Telefónica.

Specific presentations on the main risks by those responsible for its management. Thus, during 2021, monographic sessions have been held on Strategic Risks, as well as in the areas of Systems and Network, Supply Chain, Litigation, Privacy, Sustainability, Cybersecurity, Finance and Tax.

Furthermore, the Audit and Control Committee reports regularly on these matters to the Board of Directors.

² The profile of the Directors and their competences in the different matters are detailed in the Annual Corporate Governance Report.

Risk Owner

Risk owners actively participate in the risk strategy and in the important decisions about their assurance and control. To this end, each of the identified risks will be assigned a person (normally a Director) with full responsibility for the risk and its management, drawing up a plan for its assurance and control (measures to avoid, mitigate or partially transfer the risks) and effectively monitoring its evolution.

Specifically, with respect to fiscal risks, the Group's Fiscal Directorate performs the fiscal control function through the Regional Fiscal Directories, and the local fiscal control officers in the different subsidiaries in accordance with the principles defined in the Group's Fiscal Control Policy, approved by the Company's Board of Directors.

3.1.4. Tolerance or risk appetite

The Company has a level of **risk tolerance or acceptable risk** established at corporate level; which means its willingness to assume a certain level of risk, to the extent that it allows the creation of value and the development of the business, achieving an adequate balance between growth, performance and risk. For the risk assessment, the different typology of the risks that could affect the Company is considered, as described below:

In general, **tolerance thresholds are defined** for all risks, including tax risks, by combination of impact and probability of occurrence. These thresholds are updated annually based on the evolution of the main financial figures, both for the Group as a whole and for the main Telefónica companies.

In the case of risks related to reputation, sustainability, compliance and corruption, a **zero-tolerance** level is established.

3.1.5. Risk management process

The risk management process takes the Company's strategy and objectives as a reference for the identification of the main risks that could affect its achievement. The process consists of four stages, which are described below:

Risk Management Process



Risks identification

The risks are identified by the managers, taking into account both the factors that cause them and the effects they may have on the achievement of the objectives.

In this identification phase, risks associated with the strategic plan are considered, as well as potential "emerging risks", meaning those risks that could eventually have an adverse impact on future performance; although its outcome and time horizon is uncertain and difficult to predict.

Risk assessment

The objective of the risk assessment is to establish an order of magnitude or relevance of the risks, by considering both their eventual impact and their likelihood of occurrence.

For impact purposes, both the **economic impact** (quantified-whenver possible -in terms of operational Cash-flow, considering OIBDA³ plus CAPEX⁴) and the **reputational impact** (from the variables used in RepTrak⁵) are considered, as well as its potential **impact on compliance**.

³ OIBDA: Operative Income Before Depreciations and Amortizations.

⁴ CAPEX: Capital Expenditure.

⁵ Reptrack: Model developed by the Reputation Institute that allows evaluating how different stakeholders perceive the company.

Assessment



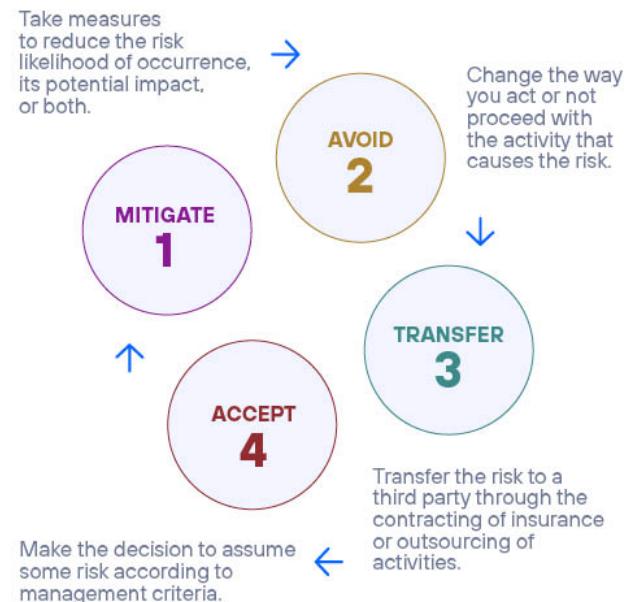
Other qualitative additional factors are also considered, such as the historical trend, the level of assurance or control; or the perspectives on their future evolution.

Risk response and action plans against risks

In addition to identification and assessment of the risks, the Risk Management Framework considers reasonable response and monitoring mechanisms for said risks. In this sense, it contemplates procedures to respond to the new challenges that arise through the alignment between the strategic objectives and the risks that could affect the fulfillment of such objectives.

The different types of risk response are described below:

Risk response



Global measures, mainly involving the use of financial derivatives, are undertaken to mitigate certain financial risks such as those relating to exchange-rate and interest-rate fluctuations. In relation to tax risks, the main issues are identified and monitored. Likewise, for a large part of operational risks, the Group uses Multinational insurance Programs, or insurance policies negotiated locally in each country, depending on the type of risk and cover required.

Monitoring and reporting

In accordance with the different typology of risks, the monitoring and response mechanisms include global initiatives, promoted and coordinated in a homogeneous way in the main operating businesses of the Group, and / or actions specifically aimed at addressing specific risks in some companies at the local level.

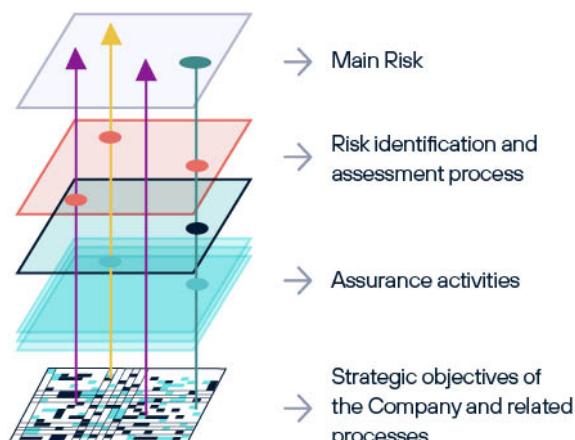
Monitoring and reporting



Business Assurance Framework

A management framework based on the existing assurance allows prioritizing and being more specific in the actions to be carried out in the area of Risk Management and Internal Control.

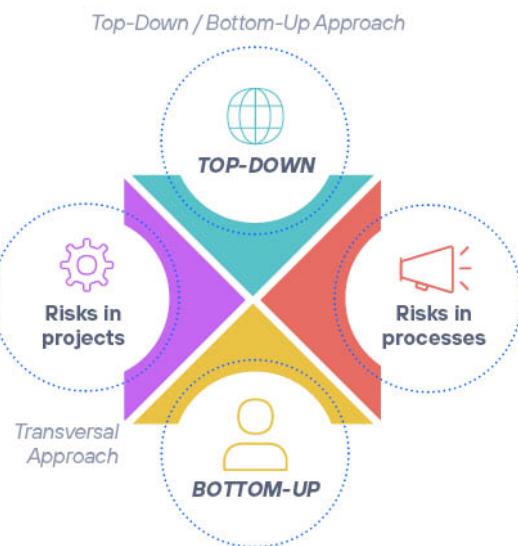
Business Assurance framework



3.1.6. Perspectives of the Risk Management Framework

In order to have a comprehensive model, oriented to the needs and the Group's own configuration, the ERM Framework considers a **risk assessment through four complementary perspectives**:

Perspectives of the Risk Management Framework



Bottom-up: it is based on the concept of Risk Self-Assessment (RSA), according to which managers are responsible for identifying and describing the specific risks of their area, as well as assessing them and defining an adequate response to them.

Top-down this assessment is based on the cross-sectional analysis of those matters considered relevant and common to most of the Group's companies, complementing the previous bottom-up approach, thus obtaining a portfolio vision of the main risks of the Company as a whole.

Risks in Processes support to process managers to identify and define their response to those risks that may affect the achievement of their objectives, with a transversal approach.

Risks in Projects: applicable to those internal projects of special relevance, usually related to transformation initiatives and with a transversal approach.

3.1.7. Risk culture

In accordance with the provisions of the Telefónica's Risk Management Policy, one of the basic principles that guide this activity is: "Train and involve employees in the risk management culture, encouraging them to identify risks and actively participate in their mitigation."

In this sense, Telefonica promotes the following actions:



Communication

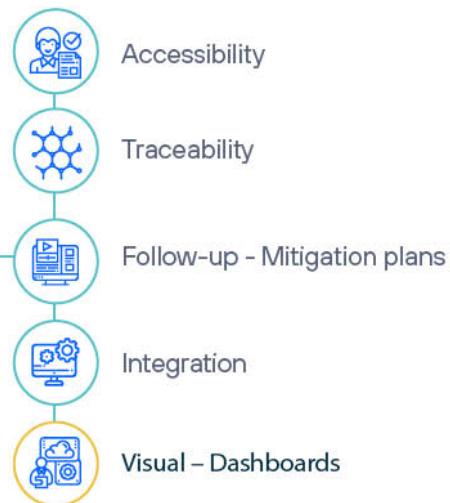


Training

Training workshops and global awareness campaigns are developed to strengthen the risk management culture in the Company

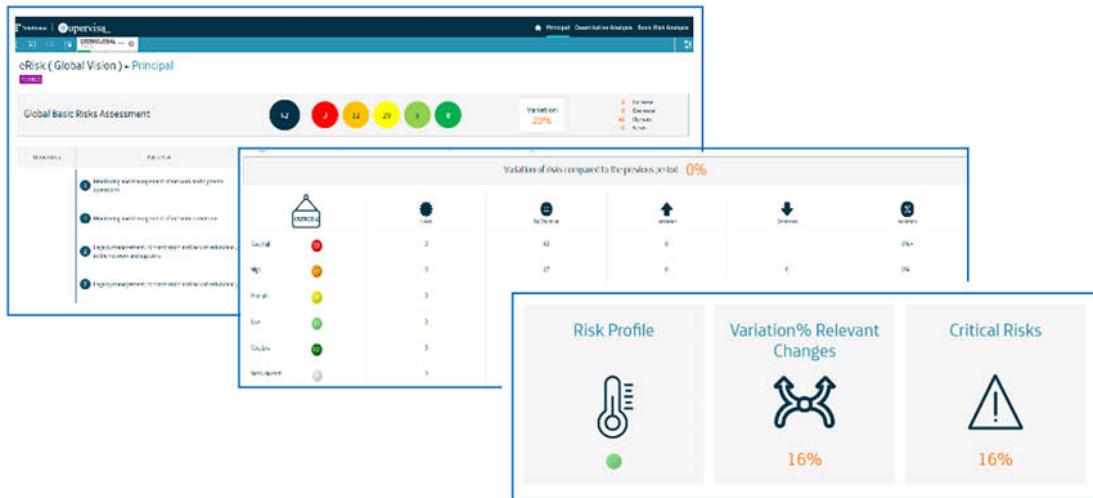
3.1.8. Digitalization of risk management

With the aim of managing and supervising risks, a Risk Management tool and a Dashboard have been developed, which facilitate the reporting, analysis, assessment and management of risk information within Telefónica Group. These tools are common to all Group Companies that report risks, and their main features are the following:



Continuous improvements are developed in risk management tools to improve or expand their functionalities

Risk Dashboard



3.2. Risk map

GRI 103, 102-15

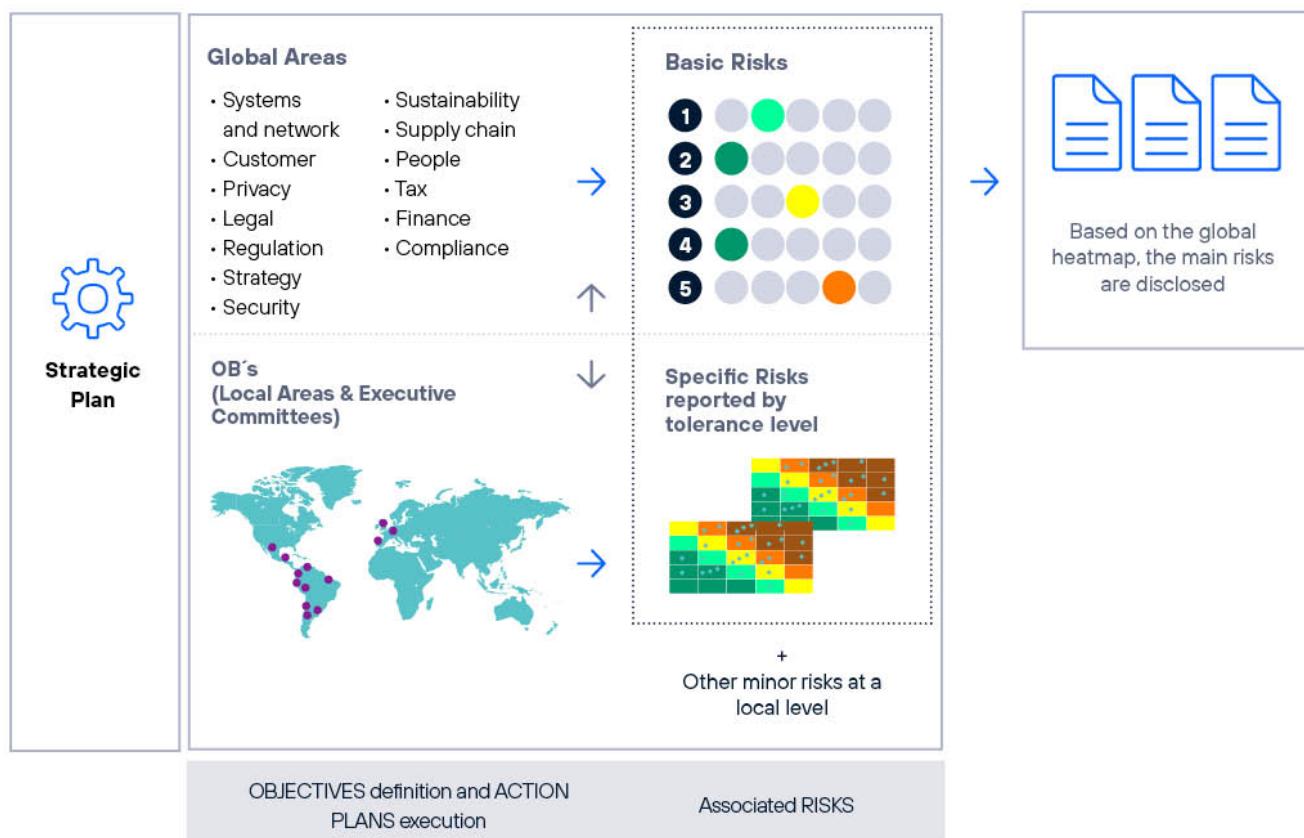
KEY POINTS

- The current context and the dynamic nature of technology and digitization makes us constantly face new risks and opportunities.
- When identifying our risks, we also consider those emerging risks that could have an impact on the development of the Company or the sector in the long term.
- Sustainability risks (ESG) are becoming increasingly relevant in our environment, considering aspects such as environmental impact, climate change or respect for human rights in our operations.

Taking as a reference the objectives identified in the Company's Strategic Plan, the risks that could affect the achievement of these objectives are identified, both from a global perspective (main global Group areas) and a local one (local managers and the respective local Steering Committees).

An assessment of the impact and probability of the identified risks is made, which facilitates their prioritization and the definition of the response plans to mitigate them, ensuring the necessary coordination between global and local initiatives in order to face the risks.

Risk Heatmap



3.2.1. Telefónica's risk catalogue

In order to facilitate the risk identification process by the management of the Company, the Telefónica Group has a **general risks catalogue**, updated periodically, and which allows the information to be homogenized and consolidated, and to comply with the internal and external reporting requirements on the main risks.

Telefónica's risk catalogue considers the following four risk **categories**:

BusinessRisks
Risks related to the sector and especially to the company's strategy, such as adaptation to changing customer demands, technological innovation, competition, regulatory framework, privacy, as well as events that affect the sustainability and reputation of the company.
Operational
Risks derived from events caused by the inadequacy or failures of the network and computer systems, security, customer service, human resources, as well as operational management.
Financial
Risks derived from adverse movements in the economic environment or financial variables, and the inability of the company to meet its commitments or make its assets liquid, including tax issues.
Legal and of normative compliance
Risks related to litigation and regulatory compliance, including compliance with anti-corruption legislation.

This catalogue adapts to the **evolution in the typology of the main risks**, revealing a growing relevance of those risks related to intangibles and of global transcendence, such as public image, social impact of organizations or sustainability.

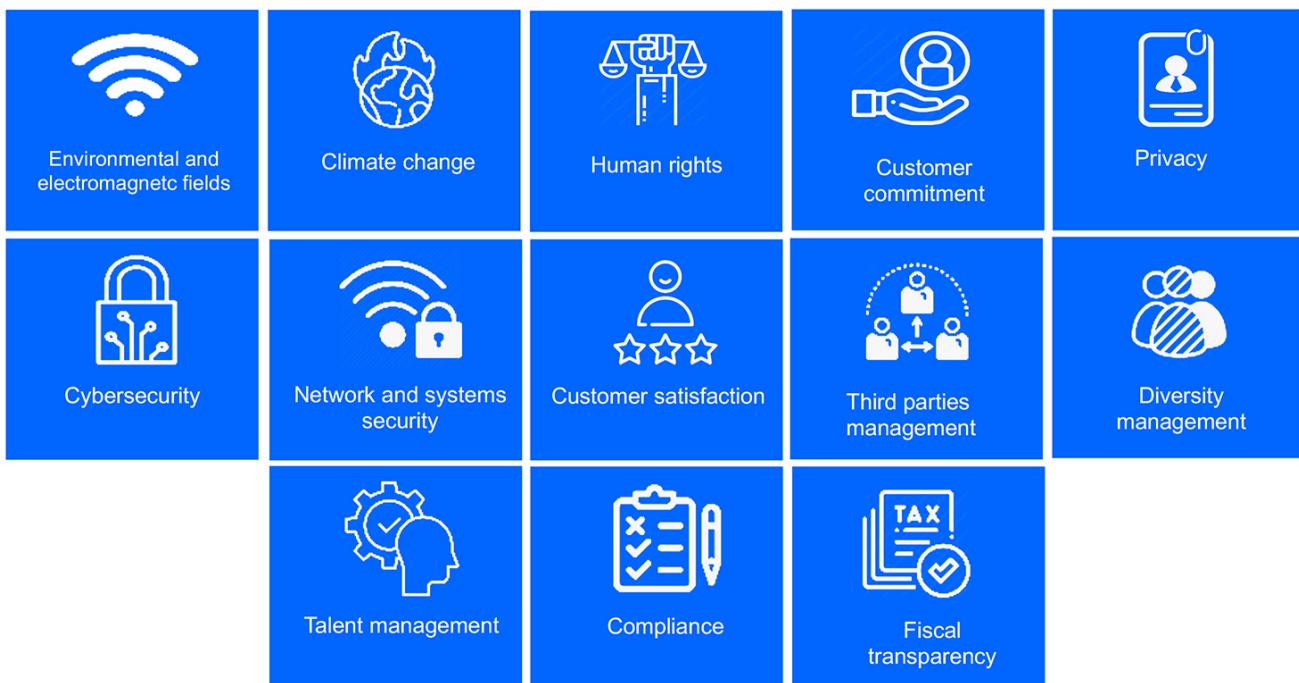
Evolution of the risk typology



3.2.2. Sustainability Risks (ESG) (Environmental, Social and Governance)

Telefónica's risk catalog includes risks **related to the environment, social and governance aspects of the Company**, including aspects such as the following:

Related Risks Sustainability and ESG



Specifically, for climate change risk, we follow the TCFD (Task Force on Climate-related Financial Disclosures) recommendations to analyze and manage both physical and transition risks. We analyze these risks in the medium and long term, for two CO₂ concentration scenarios (Representative Concentration Pathways - RCP) 2.6 and 8.5 of the IPCC (UN Intergovernmental Panel for Climate Change).



For more details, see chapter 2.2 Energy and climate change.

3.2.3 Emerging risks

In the process of **identifying new risks**, Telefónica also considers **emerging risks**.

Emerging risks are those issues identified recently and which are expected to have an adverse impact on the future development of the company or the sector in the long term; although its outcome and time horizon is still uncertain and difficult to predict.

As **emerging risks to consider in a long-term scenario**, the following should be highlighted:



5G development: management of the roll-outs in line with the evolution of the demand, technological maturity and other factors such as regulation, marketing and environmental and/or energy considerations in their development.

• **Data governance, automation and artificial intelligence:** responsible use of the data, both internal of the company, and those circulating through telecommunications networks, as well as adequate automation, use and management of Artificial Intelligence capabilities.

• **Sustainability (ESG) aspects implementation challenges:** Regulatory bodies, investors and other interest groups are increasingly attentive to the practices of companies in environmental, social and corporate governance matters. This interest is particularly reflected in ever-increasing information requirements, both in terms of the number of indicators and the quality and guarantees of the processes associated with all non-financial or sustainability issues.

Additionally, other emerging risks, such as **diversity and the management of professional skills**, are being managed at Telefónica, in line with what is described below

Emerging issues: diversity and professional skills management

Diversity Management	Securing capabilities for the future
Need to adapt the commitment to diversity, as a key lever towards digital transformation, guaranteeing multiculturalism, the variety of gender, age, profiles with different capabilities and experiences among our professionals.	Need to acquire and evolve the necessary capabilities to execute the strategic plan of the Company, in an environment of technological disruption and shortage of digital skills in the market.

Likewise, in order to manage said emerging risks, various **mitigation actions** are carried out in the Company, which are detailed throughout the different sections of this Report.

Some examples are mentioned below:

5G development: The transformation of the entire core of the communications network is being carried out, making it more sustainable through two key tools: renewable energy consumption and energy efficiency (see 2.4 Digitization and Eco Smart Services). In addition, the Energy Efficiency Plan stands out, which includes various initiatives to reduce our own emissions (see 2.2 Energy and climate change). We are also upgrading and expanding our networks to state-of-art technologies that offer ultra-broadband services (5G or fibre optics). In this sense, we set ourselves ambitious goals to continue deploying the best and most efficient connectivity (see 2.7.3.1. and 2.7.4.1. Inclusive Access).

Data governance, automation and artificial intelligence: We consider that security must be managed within a cycle of continuous improvement, and with this aim various actions associated with privacy and security are being developed (see section 2.15 Privacy and security). Regarding the new "Responsible Design" framework, ethical principles and sustainable development criteria are incorporated into the new digital solutions (see section 2.9 Responsibility in our products and services). Various actions are also developed for the safe and responsible use of

technology (see section 2.7 Digital inclusion) and regarding Human Rights (see 2.8.5.1. Telefónica's due diligence in human rights).

Sustainability (ESG) aspects implementation

challenges: To make progress on these challenges, we believe it must be managed through an internal culture including ESG factors (good governance, social and environmental), systematically linking all aspects of sustainability with long-term business value, also ensuring that each internal process or activity is consistent with this vision. For more detail, please refer to section 2.11.2. Culture aligned with ethical and sustainable management. Regarding the ever-increasing information requirements, this is reflected in the Principles for the preparation of the Non-Financial Information Statement (NFIS) (section 2.17.5) and section 1.6. Sustainable Finance

Finally, actions to mitigate emerging risks such as **diversity and the management of professional skills** can be seen in more detail in section 2.6 Human Capital.

3.2.4. Risks and Opportunities

We are a technological company that is at the heart of the digital revolution that we are experiencing, the telecommunications and technology market has been able to play a determining role, much more dynamic, which has placed the sector as one of the main economic engines in the new societies. The demand for technology is increasing, and there has been an increasing impact of digitization on all sectors of the economy and on people's lives.

For the telecommunications sector in general and for Telefónica in particular, there are opportunities based on:

		
Investment in fixed (fiber) and mobile ultra-broadband infrastructures (with the launch of 5G)	Acceleration of movements towards the digitalization of all sectors of our economy as an engine of development	Growing relevance of ESG aspects

Investment in fixed (Fibre) and mobile ultra-broadband infrastructures (with the launch of 5G)

The imminent access of companies to new fixed (fibre-based) and mobile ultra-broadband alternatives (with the boost of 5G in the coming years) configure a future scenario based on connectivity, which implies an exponential growth in the number of connected objects and data traffic, as well as in digital services over said connectivity.

Specifically, the firm commitment to investment in fixed and mobile ultra-broadband infrastructures led by Telefónica in its markets is the basis on which to build the economy of the future.

We are aware that broadband is a strategic pillar to accelerate progress in achieving the Sustainable Development Goals (SDGs) and the basis for the development of new digital services that allow improving education, facilitating access to health or addressing climate change.

Acceleration of movements towards the digitization of all sectors of our economy (education, health, entertainment, commerce, industry, etc.) as an engine of development

The telecommunications industry plays a key role for societies, as a connectivity supplier and an enabler of technological advances, collaborating in the evolution towards a more digital and sustainable world:

In the sphere of corporations (companies of all sizes and public administrations), there has been a strong acceleration of the movement towards the digitization of the main functions, in order to meet more quickly the demands of their customers. Telefónica is strongly committed to growth in this sector through T-Tech, our unit specialized in business solutions offering the most demanded services by companies (Cloud Computing, Cybersecurity, Internet of Things, Big Data).

For our residential customers, technology can offer a new world of possibilities, driving new solutions, services and increasingly innovative content that allow us to connect people's lives. During the last year we have witnessed a substantial increase in the use of digital services for entertainment, remote work, health, etc. In this sense, we offer new ecosystems of relevant digital services for our customers, in certain sectors (Movistar Money for financial services, Movistar Salud or Vida V for telemedicine, Movistar Prosegur Alarms for security, etc.).

Growing relevance of Sustainability aspects (ESG)

In a context of stringent environmental regulations, the transition to a greener economy represents an opportunity for Telefónica, specifically due to the positive impact of telecommunications products and services on our customers' processes, allowing companies to save on CO₂ emissions, optimize its operations, reduce waste and improve its carbon footprint.

Likewise, sustainable financing contributes to Telefónica's decarbonization strategy and its objectives to reduce emissions and energy consumption.

IoT services allow more efficient use of resources such as energy and water; with Big Data we are helping to improve traffic planning and air quality; and with drone-based services and connectivity, we can improve the response to fires.

3.2.5. Materialized risks

The Company tracks materialized risks. The strategy and management of Telefónica Group's activities tend to minimize the impact of materialized risks, as well as to counterbalance the negative effects of some issues with the favourable evolution of others.

During this year, the Covid-19 pandemic has had a significant impact on our risk profile, affecting various areas, although the most important aspects have been identified within a separate risk "emergence of new variants of the COVID-19" in the Risk Factors Section, which gives an overview of the related uncertainties and their impact on the Group.

In this regard and in accordance with current accounting standards, the Telefónica Group reviews on an annual basis, or more frequently when the circumstances require it, the need to introduce changes to the book value of its goodwill, deferred tax assets or other assets, such as intangible assets and property, plant and equipment. In the case of goodwill, the potential loss of value is determined by the analysis of the recoverable value of the cash-generating unit (or group of cash-generating units) to which the goodwill is allocated at the time it is originated. By way of example, in 2021 impairment losses in the goodwill of Telefónica Perú were recognized for a total of 393 million euros.

In addition, Telefónica may not be able to realize deferred tax assets on its statement of financial position to offset future taxable income. The recoverability of deferred tax assets depends on the Group's ability to generate taxable income over the period for which the deferred tax assets remain deductible. If Telefónica believes it is unable to utilize its deferred tax assets during the applicable period, it may be required to record an impairment against them resulting in a non-cash charge on the income statement. By way of example, in 2021 deferred tax assets corresponding to the tax Group in Spain amounting to 294 million euros were derecognized.

3.2.6. Prioritization of Risks

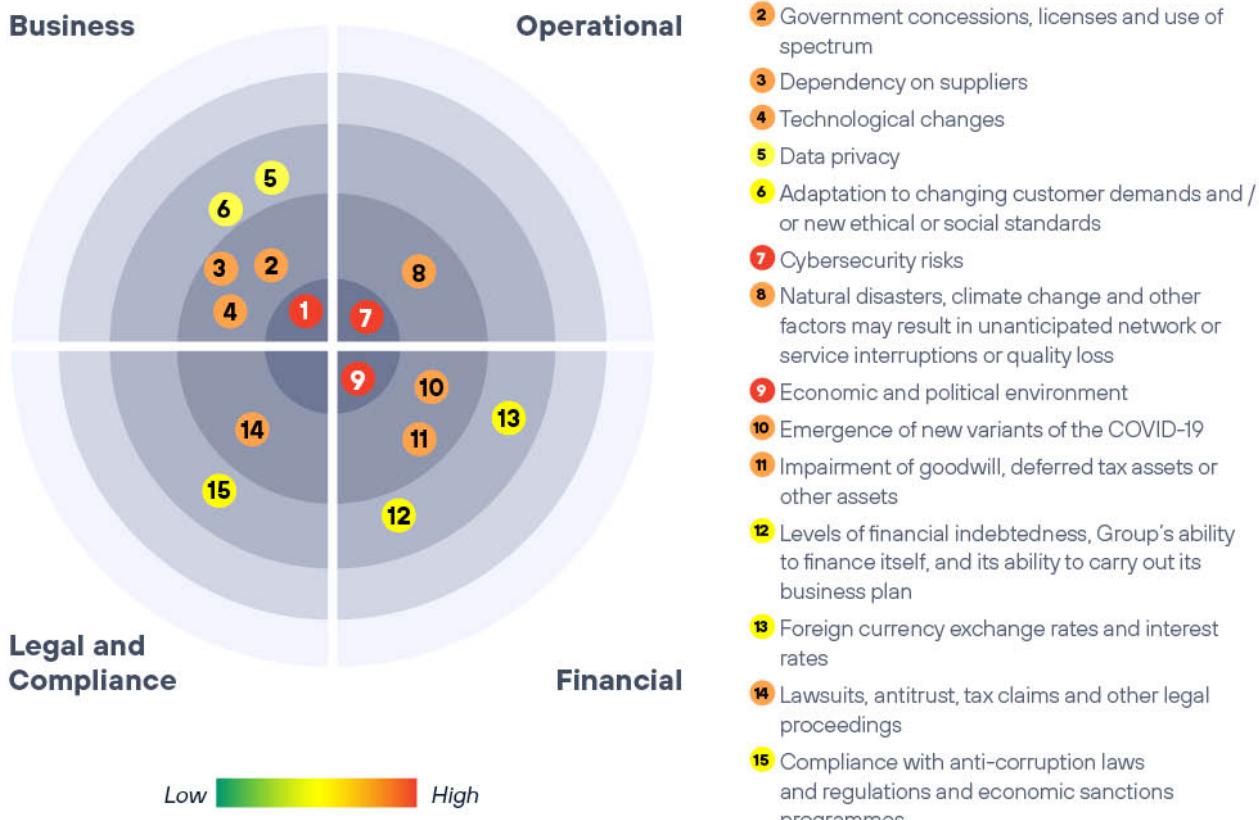
The risks of Telefónica Group are prioritized based on their level of criticality, which is obtained from the combination of impact and likelihood assessments for each of them.

For public disclosure purposes, Telefonica's risks are presented under four categories, as described above, presenting the risk factors in descending order of

importance within each category, in line with the requirements of ESMA (European Securities and Markets Authority).

The detail on the main risk factors disclosed by the Company is included in the following section.

Priorization of risks



3.3. Risk Factors

The Telefónica Group is affected by a series of risk factors that affect exclusively the Group, as well as a series of external factors that are common to businesses of the same sector. The main risks and uncertainties faced by Telefónica, which could affect its business, financial condition, results of operations and/or cash flows are set out below and must be considered jointly with the information set out in the Consolidated Financial Statements.

These risks are currently considered by the Telefónica Group to be material, specific and relevant in making an informed investment decision in respect of the Company. However, the Telefónica Group is subject to other risks that have not been included in this section based on the Telefónica Group's assessment of their specificity and materiality based on the Group's assessment of their probability of occurrence and the potential magnitude of their impact.

Risks are presented in this section grouped into four categories: business, operational, financial, and legal and compliance.(according to the definitions included in section 3.2. above).

These categories are not presented in order of importance. However, within each category, the risk factors are presented in descending order of importance, as determined by Telefónica at the date of this document. Telefónica may change its vision about their relative importance at any time, especially if new internal or external events arise.

Risks related to the Business Activities.

Telefónica's competitive position in some markets could be affected by the evolution of competition and market consolidation.

The Telefónica Group operates in highly competitive markets and it is possible that the Group may not be able to market its products and services effectively or respond successfully to the different commercial actions carried out by its competitors, causing it to not meet its growth and customer retention plans, thereby jeopardizing its future revenues and profitability.

The reinforcement of competitors, the entry of new competitors (new players or OTTs), or the merger of operators in certain markets, may affect Telefónica's competitive position, negatively affecting the evolution of its revenues and market share or increasing its costs. In addition, changes in competitive dynamics in the different markets in which the Telefónica Group operates, such as in Chile, Colombia, Peru and Argentina where there are

aggressive customer acquisition offers, including unlimited data and discounts on certain services, among others, can affect the competitive position and the efficiency of Telefónica's operations.

If Telefónica is not able to successfully face these challenges, the Group's business, financial condition, results of operations and/or cash flows could be adversely affected.

The Group requires government concessions and licenses for the provision of a large part of its services and the use of spectrum, which is a scarce and costly resource.

The telecommunications sector is subject to laws and sector-specific regulations. The fact that the Group's business is highly regulated affects its revenues, operating income before depreciation and amortization ("OIBDA") and investments.

Many of the Group's activities (such as the provision of telephone services, Pay TV, the installation and operation of telecommunications networks, etc.) require licenses, concessions or authorizations from governmental authorities, which typically require that the Group satisfies certain obligations, including minimum specified quality levels, and service and coverage conditions. If the Telefónica Group breaches any such obligations, it may suffer consequences such as economic fines or, in a worst-case scenario, other measures that would affect the continuity of its business. Exceptionally, in certain jurisdictions, the terms of granted licenses may be modified before the expiration date of such licenses or, at the time of the renewal of a license, new enforceable obligations could be imposed or the renewal of a license could be refused.

Additionally, the Telefónica Group could be affected by the regulatory actions of antitrust authorities. These authorities could prohibit certain actions, such as new acquisitions or specific practices, create obligations or impose heavy fines. Any such measures implemented by the antitrust authorities could result in economic and/or reputational loss for the Group, in addition to a loss of market share and/or harm to the future growth of certain of its businesses.

Any of the foregoing could have an adverse effect on the business, financial condition, results of operations and/or cash flows of the Group.

Access to new concessions/ licenses of spectrum.

The Group requires sufficient spectrum to offer its services. The Group's failure to obtain sufficient or appropriate spectrum capacity in the jurisdictions in which it operates, or its inability to assume the related costs, could have an adverse impact on its ability to maintain the quality of existing services and on its ability to launch and provide new services, which may materially adversely affect Telefónica's business, financial condition, results of operations and/or cash flows.

The intention of the Group is to maintain current spectrum capacity and, if possible, to expand it, specifically through the participation of the Group in spectrum auctions which are expected to take place in the next few years, which will likely require cash outflows to obtain additional spectrum or to comply with the coverage requirements associated with some of the related licenses.

In Spain, the Ministry of Economic Affairs and Digital Transformation launched a public consultation on the 26 GHz band in December 2021. This consultation raises the possibility of assigning part of the spectrum to companies, industries and organizations operating in a specific sector, that deploy private networks to support their connectivity needs (verticals). This could mean more competition in the private corporate network segment and a possible increase in spectrum prices during the auction. The auction is expected to take place during 2022.

In Latin America, several auction processes are expected in the near term: (i) in Colombia, the "5G Plan" as well as the 2020-2024 Spectrum Public Policy and the 2020-2024 Spectrum Allocation Framework Plan were published. These policy documents announced actions to auction the remaining spectrum in the 700 MHz, 1,900 MHz and 2,500 MHz bands, without indicating a concrete time frame. Additionally, with regards to spectrum in the 3.5 GHz band, the Ministerio de las Tecnologías de la Información y las Comunicaciones ("MinTic") postponed the auction without indicating a specific date to start the process. Telefónica has requested MinTic to delay any spectrum auction until the review of the existing spectrum valuation methodology, in order to align costs with the spectrum value generation capacity is completed, and specific measures to avoid resource monopolization by the dominant operator are put in place; and (ii) in Peru, Telefónica del Perú S.A.A. was pre-selected for the auction on the 1,750 - 1,780 MHz, 2,150 - 2,180 MHz and 2,300 - 2,330 MHz bands. The auction has been postponed to the end of February and further delays are foreseeable. With regards to 5G and the spectrum auction for the 3.5 GHz and 26 GHz band, the new government has not yet adopted any decision.

Existing licenses: renewal processes and modification of conditions for operating services.

The revocation or failure to renew the Group's existing licenses, authorizations or concessions, or any challenges or amendments to their terms, could materially adversely

affect Telefónica's business, financial condition, results of operations and/or cash flows.

With respect to Latin America:

In Brazil, the Agencia Nacional de Telecomunicações ("ANATEL") approved, on February 8, 2021, Resolution 741/2021 which sets the Regulation for the adaptation of Fixed Commuted Telephony Service ("STFC") Concessions. ANATEL is still working on the methodology for calculating the migration balance and there is a risk that consensus between the parties on the migration calculation may not be reached. In any case, if a decision is made by Telefónica not to migrate from the concession regime to the authorization regime, the STFC concession held by Telefónica will remain in force until December 31, 2025. Resolution 744/2021 of April 8, 2021 establishes that, at the end of the life of the concession contracts, the transfer of the right of use of shared-use assets will be guaranteed under fair and reasonable economic conditions, in the event that the Granting Authority or the company that succeeds the provider wishes to make use of these assets to maintain the continuity of the provision of STFC under the public regime. In addition, Telefónica could lose its right to operate spectrum in the 450 MHz band, granted in certain states, if Telefónica's appeal against a decision adopted by the regulator in June 2019 is not successful. Furthermore, regarding the extension of the 850 MHz band authorizations, if the legal and regulatory requirements are met, ANATEL agreed to extend the current authorizations for the use of radio frequencies in Bands A and B, proposing their approval, on a primary basis, until November 29, 2028. However, specific conditions for renewal, including those related to the economic valuation criteria and obligations, were challenged by the affected service providers (including Telefónica). After ANATEL dismissed the appeals filed by the providers, a decision on the issue is still pending and requires a positioning from the Federal Court of Accounts.

In Peru, an arbitration process was started by the Group, to challenge the decision adopted by the Ministry of Transportation and Communications ("MTC"), denying the renewal of concessions for the provision of fixed-line services, valid until 2027. Nevertheless, Telefónica del Perú S.A.A. holds other concessions for the provision of fixed-line services that allow it to provide these services beyond 2027. The renewal of the 1,900 MHz band in all of Peru (except for Lima and Callao), which expired in 2018, and of other telecommunications services were requested by the Group and a decision by the MTC is still pending. Nevertheless, these concessions are valid while the procedures are in progress.

In Colombia, in April 2021, the renewal of the license to use 15 MHz in the 1,900 MHz band was requested (the current license expired on October 18, 2021). On October 15, 2021, MinTic issued a resolution setting the conditions for the renewal of such license. The company has appealed such decision before the MinTic in order to

reduce the amount proposed by the authority and, to this date, a resolution is pending.

In Argentina, in connection with Decree of Necessity and Urgency 690/2020 ("DNU 690/2020"), Telefónica de Argentina, S.A. and Telefónica Móviles Argentina, S.A. (collectively, "Telefónica Argentina") filed a lawsuit against the Argentine State, alleging that price regulations set by DNU 690/2020 constitute a breach of a series of contracts for licenses to provide services and spectrum use authorizations entered into between Telefónica Argentina and the Argentine State, including the licenses resulting from the 2014 spectrum auction. Such contracts and their regulatory framework stated that the services provided by Telefónica Argentina were private and prices would be freely set by Telefónica Argentina. However, DNU 690/2020, by providing that the services will be "public services" and that prices will be regulated by the Argentine State, substantially modifies the legal status of those contracts, affecting the performance of their obligations and substantially depriving Telefónica Argentina of essential rights derived from those contracts. The lawsuit filed by Telefónica Argentina was rejected in September 2021 and the company appealed this decision. On December 17, 2021, the first instance ruling was revoked and the application of articles 1, 2, 3, 5 and 6 of DNU 690/2020 and resolutions 1666/2020, 204/2021 and 1467/2020 (relating to the control of tariffs and the universal basic service) was suspended during six months or until the final decision is adopted. During this period, Telefónica will not be subject to the provisions contained in the DNU 690/2020 in relation to price and public service regulations.

During 2021, the Group's consolidated investment in spectrum acquisitions and renewals amounted to 1,704 million euros, mainly due to the acquisition of spectrum in Brazil, the United Kingdom (before the establishment of JV VMED O2 UK), Spain and Chile (compared to 126 million euros in 2020). In the event that the licenses mentioned above are renewed or new spectrum is acquired, it would involve additional investments by Telefónica.

Further information on certain key regulatory matters affecting the Telefónica Group and the concessions and licenses of the Telefónica Group can be found in the Appendix VI of the 2021 Consolidated Financial Statements: "Key regulatory issues and concessions and licenses held by the Telefónica Group".

Telefónica depends on its suppliers.

The existence of critical suppliers in the supply chain, especially in areas such as network infrastructure, information systems or handsets with a high concentration in a small number of suppliers, poses risks that may affect Telefónica's operations. This may cause legal contingencies or damages to its image in the event that a participant in the supply chain engages in practices that do not meet acceptable standards or that otherwise fail to meet Telefónica's performance expectations. This

may include delays in the completion of projects or deliveries, poor-quality execution, cost deviations and inappropriate practices.

As of December 31, 2021, the Group depended on three handset suppliers (one of them located in China) and eight network infrastructure suppliers (two of them located in China), which, together, accounted for 83% and 80%, respectively, of the aggregate value of contracts awarded in 2021 to handset suppliers and network infrastructure suppliers, respectively. One of the handset suppliers represented 46% of the aggregate value of contracts awarded in 2021 to handset suppliers.

These suppliers may, among other things, extend delivery times, raise prices and limit supply due to their own stock shortfalls and business requirements or for other reasons.

If suppliers cannot supply their products to the Telefónica Group within the agreed deadlines or such products and services do not meet the Group's requirements, this could hinder the deployment and expansion plans of the network. This could in certain cases affect Telefónica's compliance with the terms and conditions of the licenses under which it operates, or otherwise adversely affect the business and operating results of the Telefónica Group. In addition, the possible adoption of new protectionist measures in certain parts of the world, including as a result of trade tensions between the United States and China and/or the adoption of lockdown or other restrictive measures as a result of the COVID-19 pandemic or any other crisis or pandemic, may have an adverse impact on certain of Telefónica's suppliers and other players in the industry. The semiconductor industry in particular is facing various challenges, as a result mainly of supply problems at a global level, which in turn is affecting multiple sectors (including technology) through delivery delays and price increases, which could affect the Telefónica Group or others who are relevant to its business, including its customers, suppliers and partners. During 2020 and 2021 specific monitoring has been carried out and action plans have been developed by the Group with respect to the supply chain challenges resulting from the COVID-19 pandemic, as well as the potential discontinuation of use of some suppliers as a result of the U.S.-China conflict.

The imposition of trade restrictions and any disruptions in the supply chain, such as those related to international transport, could result in higher costs and lower margins or affect the ability of the Telefónica Group to offer its products and services and could adversely affect the Group's business, financial condition, results of operations and/or cash flows.

Telefónica operates in a sector characterized by rapid technological changes and it may not be able to anticipate or adapt to such changes or select the right investments to make.

The pace of innovation and Telefónica's ability to keep up with its competitors is a critical issue in a sector so affected by technology such as telecommunications. In this sense, significant additional investments will be needed in new high-capacity network infrastructures to enable Telefónica to offer the features that new services will demand, through the development of technologies such as 5G or fiber optic.

New products and technologies are constantly emerging that can render products and services offered by the Telefónica Group, as well as its technology, obsolete. In addition, the explosion of the digital market and the entrance of new players in the communications market, such as mobile network virtual operators ("MVNOs"), internet companies, technology companies or device manufacturers, could result in a loss of value for certain of the Group's assets, affect the generation of revenues, or otherwise cause Telefónica to have to update its business model. In this respect, revenues from traditional voice business are shrinking, while new sources of revenues are increasingly derived from connectivity and digital services. Examples of these services include video, Internet of Things (IoT), cybersecurity, big data and cloud services.

One of the technologies currently being developed by telecommunications operators, including Telefónica (in Spain and Latin America), is the new FTTx type networks which allow the offering of broadband accesses over fiber optics with high performance. However, the deployment of such networks, in which the copper of the access loop is totally or partially replaced by optical fiber, requires high levels of investment. As of December 31, 2021, in Spain, fiber coverage reached 26.9 million premises. There is a growing demand for the services that these new networks can offer to the end customer. However, the high levels of investment required by these networks result in the need to continuously consider the expected return on investment, and no assurance can be given that these investments will be profitable.

In addition, the ability of the Telefónica Group's IT systems (operational and backup) to adequately support and evolve to respond to Telefónica's operating requirements is a key factor to consider in the commercial development, customer satisfaction and business efficiency of the Telefónica Group. While automation and other digital processes may lead to significant cost savings and efficiency gains, there are also significant risks associated with such transformation processes. Any failure by the Telefónica Group to develop or implement IT systems that adequately support and respond to the Group's evolving operating requirements could have an adverse effect on the Group's business, financial condition, results of operations and/or cash flows.

The changes outlined above force Telefónica to continuously invest in the development of new products, technology and services to continue to compete effectively with current or future competitors, and, for this

reason, the Group's profit and margins may be reduced or such investment could not lead to the successful development or commercialization of new products or services. To contextualize the size of the Group's investments, total research and development expenditure in 2021 was 835 million euros (959 million euros in 2020). These expenditures represented 2.1% and 2.2% of the Group's consolidated revenues in 2021 and 2020, respectively. These figures have been calculated using the guidelines established in the Organization for Economic Co-operation and Development ("OECD") manual.

If Telefónica is not able to anticipate and adapt to the technological changes and trends in the sector, or to properly select the investments to be made, this could negatively affect the Group's business, financial condition, results of operations and/or cash flows.

The Telefónica Group's strategy which is focused on driving new digital businesses and providing data-based services, increases its exposure to risks and uncertainties arising from data privacy regulation.

The Telefónica Group's commercial portfolio includes products and/or services which are based on the use, standardization and analysis of data, as well as the deployment of advanced networks and the promotion of new technologies related to big data, cloud computing, cybersecurity, artificial intelligence and IoT.

The large amount of information and data that is processed throughout the Group (with approximately 369.1 million accesses associated with telecommunications services, digital products and services and Pay TV and an average number of 107,776 employees in 2021), increases the challenges of complying with privacy regulations. Moreover, there is a risk that measures adopted in response to these regulations may stifle innovation. Conversely, the Group's efforts to promote innovation may increase compliance risks and costs.

One of the most important pieces of regulation for the Telefónica Group's operations in the European Union is Regulation (EU) 2016/679 of the European Parliament and Council of April 2016, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data ("GDPR"), whose content has become a benchmark for all countries where the Telefónica Group operates. In addition, progress continues to be made on the proposal for a future European regulation concerning the respect for privacy and protection of personal data in electronic communications ("e-Privacy Regulation"), which would repeal Directive 2002/58/EC. If approved, this proposal could establish additional and more restrictive rules than those established in the GDPR, which may increase compliance risks and costs.

Moreover, given that the Telefónica Group operates its business on a global scale, it frequently carries out international transfers of personal data of its customers, users, suppliers, employees and other data subjects to countries outside the European Economic Area ("EEA") that have not been declared to have an adequate level of data protection by the European Commission, either directly or through third parties. In this context, it is particularly relevant to have all the necessary legal controls in place to ensure that such international data transfers are carried out in accordance with the GDPR. However, there can be no assurance that the data transfers which took place under the framework of the EU-U.S. Privacy Shield did not result in a breach of the GDPR.

One of the relevant contractual measures to ensure the lawfulness of international data transfers to any country outside the EEA not found by the European Commission to have an adequate level of data protection, is the signing, between the data importer and the data exporter, of the new standard contractual clauses ("SCC") approved by the European Commission according to Implementing Decision (EU) 2021/914 of June 4, 2021. These new SCC, which entered into force on June 27, 2021, repeal the old SCC and include a novel modular set of clauses for their application according to the data processing role of both the exporter and the importer. Furthermore, the entry into force of the new SCC obliges companies that are going to use them to legitimize their transfers to assess and adopt additional measures deemed appropriate for the due protection of the data transferred to the third country. This is because SCC, in general, are not sufficient for this purpose, as the public authorities of the third country, in accordance with their local regulations, may have the power to access or request access to the data transferred. The additional measures to be adopted are mainly technical such as data encryption, and derive in particular from the impact analysis of each transfer and the country of destination, all following the guidelines issued by the European Data Protection Board in its Recommendations 01/2020. Furthermore, the adoption of the new SCC by the European Commission as the main legal tool to legitimize transfers, obliges companies to replace the old SCC, as the old SCC will cease to be legally valid at the end of 2022 in accordance with the aforementioned Implementing Decision. The entry into force of the new SCC and their novel module structure and dispositive parts to be negotiated between data exporters and importers, the possible uncertainty about their scope of application and implementation, the mandatory assessment and analysis of each international transfer and changeable local regulations of the country of destination and also the obligation to renew all agreements that include the old SCC, pose a challenge for the Group and, with it, a potential risk of non-compliance in the performance of international data transfers in accordance with the GDPR.

In addition, the following recent and prospective regulatory developments may be material to the Telefónica Group's operations: (i) in the United Kingdom, its exit from the European Union on January 1, 2021 means that the Group must monitor how its operations and business in the United Kingdom are affected in terms of applicable privacy regulations and, specifically, the flow of data to and from the United Kingdom. The European Commission declared the United Kingdom as a country with an adequate level of data protection according to the Adequacy Decision of June 28, 2021. Accordingly, entities that transfer data between both territories will not be required to adopt additional tools or measures to legitimize international transfers. The Adequacy Decision establishes an initial period of validity of four years, which may only be extended if the United Kingdom demonstrates that it continues to ensure an adequate level of data protection. In this regard, it is worth mentioning that, since European Union regulations no longer apply in the United Kingdom, in September 2021, the United Kingdom began the appropriate public consultations to analyze the modification of its local privacy and data protection regulations with a view to updating them in the face of new technological challenges and business opportunities in the use of data. The result of this amendment could impact the Telefónica Group's business in the United Kingdom and the aforementioned international data transfers to and from the United Kingdom, either because additional regulatory restrictions or impositions are imposed that reduce the capacity for innovation and the development of new services and products, or because the European Union authorities consider that the United Kingdom is no longer a country with an adequate level of data protection, in which case the Telefónica Group may face similar challenges and risks as it is currently facing with respect to data transfers to the United States or other territories not declared as having an adequate level of protection; and (ii) in Latin America, Law No. 13,709 in Brazil imposes standards and obligations similar to those required by the GDPR, including a sanctioning regime which is in force from August 2021, with fines for non-compliance of up to 2% of the Group's income in Brazil in the last financial year subject to a limit of 50 million Brazilian reais (approximately 8 million euros based on the exchange rate as of December 31, 2021) per infraction, which may increase compliance risks and costs.

Furthermore, in the case of Ecuador, the Organic Law on Data Protection has entered into force, although the effectiveness of the sanctioning regime is postponed for a two-year adaptation period and, in other countries of Latin America where the Group operates, such as Argentina and Chile, there are regulatory proposals to bring regulation more in line with the provisions set forth in the GDPR, which may increase compliance risks and costs.

Data privacy protection requires careful design of products and services, as well as robust internal

procedures and rules that can be adapted to regulatory changes where necessary, all of which entails compliance risk. Failure to maintain adequate data security and to comply with any relevant legal requirements could result in the imposition of significant penalties, damage to the Group's reputation and the loss of trust of customers and users.

Telefónica's reputation depends to a large extent on the digital trust it is able to generate among its customers and other stakeholders. In this regard, in addition to any reputational consequences, it is important to note that, in the European Union, very serious breaches of the GDPR may entail the imposition of administrative fines of up to the larger of 20 million euros and 4% of the infringing company's overall total annual revenue for the previous financial year. Furthermore, once it is approved, the e-Privacy Regulation may set forth sanctions for breaches of it similar to those provided for in the GDPR.

Any of the foregoing could have an adverse effect on the business, financial condition, results of operations and/or cash flows of the Group.

Telefónica may not anticipate or adapt in a timely manner to changing customer demands and/or new ethical or social standards, which could adversely affect Telefónica's business and reputation.

To maintain and improve its position in the market vis-à-vis its competitors, it is vital that Telefónica: (i) anticipates and adapts to the evolving needs and demands of its customers, and (ii) avoids commercial or other actions or policies that may generate a negative perception of the Group or the products and services it offers, or that may have or be perceived to have a negative social impact. In addition to harming Telefónica's reputation, such actions could also result in fines and sanctions.

In order to respond to changing customer demands, Telefónica needs to adapt both (i) its communication networks and (ii) its offer of digital services.

The networks, which had historically focused on voice transmission, are evolving into increasingly flexible, dynamic and secure data networks, replacing, for example, old copper telecommunications networks with new technologies such as fiber optics, which facilitate the absorption of the exponential growth in the volume of data demanded by the Group's customers.

In relation to digital services, customers require an increasingly digital and personalized experience, as well as a continuous evolution of the Group's product and service offering. In this sense, new services such as "Smart Wi-Fi" or "Connected Car", which facilitate certain aspects of the Group's customers' digital lives, are being developed. Furthermore, new solutions for greater automation in commercial services and in the provision of the Group's services are being developed, through new

apps and online platforms that facilitate access to services and content, such as new video platforms that offer both traditional Pay TV, video on demand or multi-device access. However, there can be no assurance that these and other efforts will be successful. For example, if streaming television services, such as Netflix or others, become the principal way television is consumed to the detriment of the Group's Pay TV service, the Group's revenues and margins could be affected.

In the development of all these initiatives it is also necessary to take into account several factors: first, there is a growing social and regulatory demand for companies to behave in a socially responsible manner, and, in addition, the Group's customers are increasingly interacting through online communication channels, such as social networks, in which they express this demand. Telefónica's ability to attract and retain clients depends on their perceptions regarding the Group's reputation and behavior. The risks associated with potential damage to a brand's reputation have become more relevant, especially due to the impact that the publication of news through social networks can have.

If Telefónica is not able to anticipate or adapt to the evolving needs and demands of its customers or avoid inappropriate actions, its reputation could be adversely affected, or it could otherwise have an adverse effect on the business, financial condition, results of operations and/or cash flows of the Group.

Operational Risks.

Information technology is key to the Group's business and is subject to cybersecurity risks.

The risks derived from cybersecurity are among the Group's most relevant risks due to the importance of information technology to its ability to successfully conduct operations. Despite advances in the modernization of the network and the replacement of legacy systems in need of technological renewal, the Group operates in an environment increasingly prone to cyber-threats and all of its products and services, such as mobile Internet or Pay TV services, are intrinsically dependent on information technology systems and platforms that are susceptible to cyberattacks. Successful cyberattacks could prevent the effective provision by the Group of products and services to customers. Therefore, it is necessary to continue to identify and remedy any technical vulnerabilities and weaknesses in the Group's operating processes, as well as to strengthen its capabilities to detect and react to incidents. This includes the need to strengthen security controls in the supply chain (for example, by focusing on the security measures adopted by the Group's partners and other third parties), as well as to ensure the security of the services in the cloud. As a result of the circumstances brought by the COVID-19 pandemic, security measures related to remote access and teleworking of employees and collaborators

were reviewed and strengthened, but no assurance can be provided that such security measures will be entirely effective.

Telecommunications companies worldwide face continuously increasing cybersecurity threats as businesses become increasingly digital and dependent on telecommunications, computer networks and Cloud Computing technologies. Cybersecurity threats may include gaining unauthorized access to the Group's systems or propagating computer viruses or malicious software to misappropriate sensitive information like customer data or disrupt the Group's operations. In addition, traditional security threats, such as theft of laptop computers, data devices and mobile phones may also affect the Group along with the possibility that the Group's employees or other persons may have access to the Group's systems and leak data and/or take actions that affect the Group's networks or otherwise adversely affect the Group or its ability to adequately process internal information or even result in regulatory penalties.

In particular, in the past three years, the Group has suffered several cybersecurity incidents. Attacks during this period include: (i) intrusion attempts (direct or phishing), exploitation of vulnerabilities and corporate credentials being compromised for ransomware deployment (through malicious software that encrypts business data); (ii) Distributed Denial of Service (DDoS) attacks, using massive volumes of Internet traffic that saturate the service; and (iii) exploitation of vulnerabilities to carry out fraud through online channels, usually through the subscription of services without paying for them. While none of these incidents had material consequences, this may change in the future.

Some of the main measures adopted by the Telefónica Group to mitigate these risks are early vulnerabilities detection, access control measures, proactive log review of critical systems, network segregation in zones and the deployment of protective systems such as firewalls, intrusion prevention systems and virus scanners among other physical and logical security measures. In the event that preventive and control measures do not prevent all damage to systems or data, backup systems are designed to provide for the full or partial retrieval of information.

Although Telefónica seeks to manage these risks by adopting technical and organizational measures, such as those referred to above, as defined in its digital security strategy, it cannot guarantee that such measures are sufficient to avoid or fully mitigate such incidents. Therefore, the Telefónica Group has insurance policies in place, which could cover, subject to the policies terms, conditions, exclusions, limits and sublimits of indemnity, and applicable deductibles, certain losses arising out of these types of incidents. To date, the insurance policies in place have covered some incidents of this nature, however due to the potential severity and uncertainty about the evolution of the aforementioned events, these

policies may not be sufficient to cover all possible losses arising out of these risks.

Natural disasters, climate change and other factors beyond the Group's control may result in unanticipated network or service interruptions or quality loss.

Unforeseen service interruptions can be due to system failures, natural disasters caused by natural or meteorological events or phenomena, lack of electric supply, network failures, hardware or software failures, theft of network elements or cyber-attacks. Any of the foregoing can affect the quality of, or cause interruption to, the provision of the services of the Telefónica Group.

Changes in temperature and precipitation patterns associated with climate change may increase the energy consumption of telecommunications networks or cause service disruption due to extreme temperature waves, floods or extreme weather events. In addition, these changes may cause increases in the price of electricity due to, for example, reduction in hydraulic generation as a result of recurrent droughts. Further, as a result of global commitments to tackle climate change, new carbon dioxide taxes may be imposed and could affect, directly or indirectly, the Company, and may have a negative impact on the Group's operations results. The Company analyzes these risks in accordance with the recommendations of the TCFD (Task force on Climate-related financial disclosures).

Network or service interruptions or quality loss could cause customer dissatisfaction, a reduction in revenues and traffic, the realization of expensive repairs, the imposition of sanctions or other measures by regulatory bodies, and damage to the image and reputation of the Telefónica Group, or could otherwise have an adverse effect on the business, financial condition, results of operations and/or cash flows of the Group.

Financial Risks.

Worsening of the economic and political environment could negatively affect Telefónica's business.

Telefónica's international presence enables the diversification of its activities across countries and regions, but it exposes Telefónica to diverse legislation, as well as to the political and economic environments of the countries in which it operates. Any adverse developments in this regard, including exchange rate or sovereign-risk fluctuations, and the growing geopolitical tensions, may adversely affect Telefónica's business, financial position, cash flows and results of operations and/or the performance of some or all of the Group's financial indicators.

As of December 31, 2021 and 2020, the contribution of each segment to Telefónica Group's total assets was as

follows: Telefónica Spain 22.9% (22.9% in 2020), VMED O2 UK 11.1% (the former Telefónica United Kingdom 12.6% in 2020), Telefónica Germany 18.3% (19.3% in 2020), Telefónica Brazil 19.7% (19.1% in 2020) and Telefónica Hispam 14.3% (14.3% in 2020). Additionally, net assets (calculated as total assets minus total liabilities) of Telefónica Hispam represented 4.6% of the total net assets of Telefonica Group as of December 31, 2021 (11.0% in 2020) (see Note 4 to the Consolidated Financial Statements). Part of these assets are located in countries that do not have an investment grade credit rating (in order of importance, Brazil, Argentina, Ecuador, Costa Rica, El Salvador and Venezuela). Likewise, Venezuela and Argentina are considered countries with hyperinflationary economies in 2021 and 2020.

The main risks are detailed by geography below:

In Europe, there are several risks of both an economic and health nature. Among the latter, and although the region has set an example in the advancement of vaccination, there is the possibility, as is currently the case, of a new outbreak of the COVID-19 pandemic due to the emergence of new variants of COVID-19 that are more contagious or resistant to the developed vaccines. Among the economic risks, there is the negative impact of this new health emergency situation, but also the consequences of an excessive tightening of financing conditions, both for the private and public sectors, with a negative impact on disposable income that could even lead to episodes of financial stress. The catalyst for this scenario could be either global factors stemming from the impact of the recent rise in inflation and the consequences of the normalization of U.S. monetary policy, or domestic factors such as a worsening of fiscal sustainability in a European country, which would affect the economic conditions of the countries in which Telefónica operates.

Spain: there are several local sources of risks. One of them stems from the uncertainty regarding the execution of the Next Generation European funds (NGEU) and the necessary reforms (labor and pensions among the most important) in order to continue accessing them, given the high level of parliamentary fragmentation and the lack of agreement on key issues. Secondly, there is a risk that the effects of the COVID-19 pandemic could have a more persistent negative economic impact than expected in the event that, for example, supply chains disruptions and high commodity prices prolong the inflationary episode with a deeper impact on household incomes. Third, as one of the most open countries in the world, from a commercial point of view, being among the top ten countries in respect of capital outflows and inflows globally, any situation of protectionist backlash could have significant implications. Lastly, the high public debt levels accumulated are an additional risk in the event of financial stress.

Germany: In the short term, the main risk factor is related to the COVID-19 pandemic and its effects. The persistence of bottlenecks in the supply of raw materials and intermediate goods in the manufacturing sector could continue to limit the expansion of economic activity. Another risk factor is the uncertainty arising from the new government in the short term, not only in terms of policies but also in terms of its ability to execute on its ambitious climate goals. As for the medium to long term, there is a risk that a potential escalation of geopolitical tensions could significantly reduce international trade, with a consequent impact on the country's potential growth, which is highly dependent on exports. In addition, long-term challenges remain, such as the aging of the population, in a context where the drivers of growth are showing a worrying stagnation.

United Kingdom: in the short term, rising prices due to continued supply disruptions, together with a labor market showing signs of tightening, could lead to a faster and closer monetary tightening than expected, which would negatively affect growth. As for the medium-term, the formal exit of the United Kingdom from the European Union on December 31, 2020 (Brexit) will entail an economic adjustment regardless of the agreement reached on the new economic and commercial relationship between the two regions. The trade and bureaucracy costs of leaving the single market and the customs union (especially those related to non-tariff barriers) could weigh on the country's net trade. In addition, there are still many gaps to be closed in the area of services (particularly, financial and professional services), and others pending renegotiation, so variables such as investment, economic activity, employment and migratory flows could be among the most affected, as well as volatility in financial markets, which could limit or condition access to capital markets. These changes can be costly and disruptive to business relationships in the affected markets, including those of Telefónica with its suppliers and customers. The Group would also be adversely affected if the pound sterling were to depreciate. The catalyst for a depreciation, in addition to a more pressing impact from Brexit, could be doubts about the sustainability of government debt, at historically high levels following the COVID-19 impact.

In Latin America, the exchange risk is particularly notable. This risk is due to both external factors (global trade tensions, abrupt movements in commodity prices, concerns about growth, tightening US monetary policy and financial imbalances in China) and internal factors (challenges relating to controlling the COVID-19 pandemic and managing the underlying fiscal deterioration, see "*Unexpected and uncertain events, such as the emergence of new variants of COVID-19 (coronavirus), significantly affect the Telefónica Group's operations*")

Brazil: fiscal sustainability remains the main risk, especially after the government modified the spending cap to finance the new welfare program Auxílio Brasil, which implies a loss of credibility in fiscal prudence. Progress on structural reforms, including administration and tax system reforms, seems less likely now, which would result in lower medium- and long-term growth. In this context, a more depreciated exchange rate adds even more pressure to already high inflation and monetary policy normalization, which could negatively affect disposable income. The fact that the country's rating is below investment grade and that its internal financing needs are high, poses an added financial risk in a hypothetical scenario of global financial stress, especially in view of the recent increase in financial needs, could also have a negative impact on the evolution of the exchange rate. On the political front, the presidential elections (October 2022), which are expected to be polarized, could imply greater volatility in asset prices, including episodes of exchange rate depreciation. Finally, Brazil also faces the risk of energy rationing due to the exceptional shortage of rainfall (which has been recently alleviated in part), which has already led to a significant increase in energy prices.

Argentina: Despite a favorable external context for the country, macroeconomic and exchange rate risks remain high. The challenges facing the economy, both internal (the ongoing process of reducing the public deficit in a context of high inflation) and external (with significant financial maturities to be refinanced in the short and medium term), increase vulnerability to episodes of financial market volatility in a scenario with limited levers for action. In addition, the worsening inflation outlook because of the exchange rate split and unsustainable price containment measures threaten Telefónica's profitability. On the political front, after the defeat of the ruling party in the mid-term elections, there is a growing need to reach consensus with other political parties in order to legislate. Otherwise, the ruling party will have no margin left but to govern the last two years of its term of office by means of Necessity and Urgency Decrees.

Chile, Colombia and Peru are exposed not only to changes in the global economy, given their vulnerability and exposure to changes in commodity prices, but also to tightening of global financial conditions. On the domestic side, existing political instability and the possibility of further social unrest and the resurgence of populism could have a negative impact in both the short and medium term. The deteriorating fiscal situation resulting from COVID-19 could have negative effects on future economic performance and social stability to the extent that fiscal consolidation drives tax reforms or adjustments in the trajectory of social spending. The

acceleration of inflation threatens to be more persistent than expected, which is generating a strong reaction from central banks that could eventually lead to an excessive deterioration in local financing conditions. In political terms, there is a risk that with the arrival of the new government in Chile, which is also advancing in its particular constitutional process, there will be changes in the regulatory and normative framework that could affect the medium term.

Unexpected and uncertain events, such as the emergence of new variants of COVID-19 (coronavirus), significantly affect the Telefónica's Group operations.

Although the worst of the COVID-19 pandemic may have passed, the possibility of new outbreaks of the pandemic due to new, more contagious, virulent, and vaccine-resistant variants of COVID-19 remains. This could affect our operations as follows, among others: first, there is a possibility of further adverse supply shocks, primarily on the production side, in the form of further disruptions in supply chains, bottlenecks in the production of certain goods and/or restrictions on the transportation of goods, which could reduce aggregate supply, exerting upward pressure on price formation, or make certain products unavailable to us. Secondly, as occurred in the first months of the pandemic, it is likely that, in the face of an abrupt supply shock, households will tend to increase their savings as a precautionary measure, which could lead to falls in demand for the Company's products and services. In addition, there may be adverse income and wealth effects resulting from an eventual contraction in the level of employment and/or deterioration of the financial markets, which may lead to sharp drops in the valuation of certain assets. Finally, the appearance of new variants may lead to additional credit quality downgrades in the countries in which the Group operates, which could result in an increase in the cost of external financing and the depreciation of certain currencies (especially in emerging economies), which would adversely affect the Group's results.

The final impact of COVID-19 on the Group's business is difficult to predict due to the high uncertainty surrounding its duration, transmission, virulence and resilience, as well as the ability of authorities to manage its impact and, more generally, societal response to both COVID-19 and government measures.

The COVID-19 pandemic contributed to the depreciation of the main Latin American currencies against the euro. The adverse exchange rates evolution adversely affected the average exchange rates used to translate the income statements of our Latin American subsidiaries from local currency to euro in 2020 in comparison with 2019, and to a lesser extent 2021 compared with 2020. The change in the exchange rates of the main currencies of the countries in which the Group operates against the euro is

shown below:

Variation of average exchange rate

	2020 vs 2019	2021 vs 2020
Brazilian real	(24.1%)	(8.8%)
Pound sterling	(1.3%)	3.4%
New peruvian sol	(6.1%)	(13.2%)
Chilean peso	(12.9%)	0.6%
Colombian peso	(12.6%)	(5.1%)
Mexican peso	(11.5%)	1.6%

The Group has and in the future could experience impairment of goodwill, deferred tax assets or other assets.

In accordance with current accounting standards, the Telefónica Group reviews on an annual basis, or more frequently when the circumstances require it, the need to introduce changes to the book value of its goodwill (which as of December 31, 2021, represented 15.1% of the Group's total assets), deferred tax assets (which as of December 31, 2021, represented 5.1% of the Group's total assets) or other assets, such as intangible assets (which represented 10.7% of the Group's total assets as of December 31, 2021), and property, plant and equipment (which represented 20.8% of the Group's total assets as of December 31, 2021). In the case of goodwill, the potential loss of value is determined by the analysis of the recoverable value of the cash-generating unit (or group of cash-generating units) to which the goodwill is allocated at the time it is originated. By way of example, in 2021 impairment losses in the goodwill of Telefónica Perú were recognized for a total of 393 million euros. In 2020 impairment losses in the goodwill and other assets of Telefónica Argentina were recognized for a total of 894 million euros.

In addition, Telefónica may not be able to realize deferred tax assets on its statement of financial position to offset future taxable income. The recoverability of deferred tax assets depends on the Group's ability to generate taxable income over the period for which the deferred tax assets remain deductible. If Telefónica believes it is unable to utilize its deferred tax assets during the applicable period, it may be required to record an impairment against them resulting in a non-cash charge on the income statement. By way of example, in 2021 deferred tax assets corresponding to the tax Group in Spain amounting to 294 million euros were derecognized. In 2020 deferred tax assets corresponding to the tax Group in Spain amounting to 101 million euros were derecognized.

Further impairments of goodwill, deferred tax or other assets may occur in the future which may materially adversely affect the Group's business, financial condition, results of operations and/or cash flows.

The Group faces risks relating to its levels of financial indebtedness, the Group's ability to finance itself, and its ability to carry out its business plan.

The operation, expansion and improvement of the Telefónica Group's networks, the development and distribution of the Telefónica Group's services and products, the implementation of Telefónica's strategic plan and the development of new technologies, the renewal of licenses and the expansion of the Telefónica Group's business in countries where it operates, may require a substantial amount of financing.

The Telefónica Group is a relevant and frequent issuer of debt in the capital markets. As of December 31, 2021, the Group's gross financial debt amounted to 42,295 million euros (50,420 million euros as of December 31, 2020), and the Group's net financial debt amounted to 26,032 million euros (35,228 million euros as of December 31, 2020). As of December 31, 2021, the average maturity of the debt was 13.63 years (10.79 years as of December 31, 2020), including undrawn committed credit facilities.

A decrease in the liquidity of Telefónica, or a difficulty in refinancing maturing debt or raising new funds as debt or equity could force Telefónica to use resources allocated to investments or other commitments to pay its financial debt, which could have a negative effect on the Group's business, financial condition, results of operations and/or cash flows.

Funding could be more difficult and costly in the event of a deterioration of conditions in the international or local financial markets due, for example, to monetary policies set by central banks, including increases in interest rates and/or decreases in the supply of credit, increasing global political and commercial uncertainty and oil price instability, or if there is an eventual deterioration in the solvency or operating performance of Telefónica.

As of December 31, 2021, the Group's gross financial debt scheduled to mature in 2022 amounted to 7,005 million euros, and gross financial debt scheduled to mature in 2023 amounted to 2,235 million euros.

In accordance with its liquidity policy, Telefónica has covered its gross debt maturities for the next 12 months with cash and credit lines available as of December 31, 2021. As of December 31, 2021, the Telefónica Group had undrawn committed credit facilities arranged with banks for an amount of 12,182 million euros (11,791 million euros of which were due to expire in more than 12 months). Liquidity could be affected if market conditions make it difficult to renew undrawn credit lines. As of December 31, 2021, 3.2% of the aggregate undrawn amount under credit lines was scheduled to expire prior to December 31, 2022.

In addition, given the interrelation between economic growth and financial stability, the materialization of any of

the economic, political and exchange rate risks referred to above could adversely impact the availability and cost of Telefónica's financing and its liquidity strategy. This in turn could have a negative effect on the Group's business, financial condition, results of operations and/or cash flows.

Finally, any downgrade in the Group's credit ratings may lead to an increase in the Group's borrowing costs and could also limit its ability to access credit markets.

The Group's financial condition and results of operations may be adversely affected if it does not effectively manage its exposure to foreign currency exchange rates or interest rates.

Interest rate risk arises primarily in connection with changes in interest rates affecting: (i) financial expenses on floating-rate debt (or short-term debt likely to be renewed); and (ii) the value of long-term liabilities at fixed interest rates.

In nominal terms, as of December 31, 2021, 88% of the Group's net financial debt plus commitments had its interest rate set at fixed interest rates for periods of more than one year. To illustrate the sensitivity of financial expenses to variations in short-term interest rates as of December 31, 2021: (i) a 100 basis points increase in interest rates in all currencies in which Telefónica had a financial position at that date would have led to an increase in financial expenses of 33 million euros, whereas (ii) a 100 basis points decrease in interest rates in all currencies (even if negative rates are reached), would have led to a reduction in financial expenses of 33 million euros. For the preparation of these calculations, a constant position equivalent to the position at that date is assumed, which takes into account the financial derivatives contracted by the Group.

Exchange rate risk arises primarily from: (i) Telefónica's international presence, through its investments and businesses in countries that use currencies other than the euro (primarily in Latin America and the United Kingdom) (ii) debt denominated in currencies other than that of the country where the business is conducted or the home country of the company incurring such debt; and (iii) trade receivables or payables in a foreign currency to the currency of the company with which the transaction was registered. According to the Group's calculations, the impact on results, and specifically on net exchange differences, due to a 10% depreciation of Latin American currencies against the U.S. dollar and a 10% depreciation of the rest of the currencies to which the Group is most exposed, against the euro would result in exchange gains of 17 million euros for the year ended December 31, 2021. These calculations have been made assuming a constant currency position with an impact on profit or loss for the year ended December 31, 2021, taking into account derivative instruments in place.

In 2021, the evolution of exchange rates negatively impacted the Group's results, decreasing the year-on-year growth of the Group's consolidated revenues and OIBDA by an estimated 2.3 percentage points and 2.7 percentage points, respectively, mainly due to the depreciation of the Brazilian real (6.5 percentage points and 8.0 percentage points, respectively, in 2020). Furthermore, translation differences in 2021 had a positive impact on the Group's equity of 4,088 million euros (negative impact of 5,801 million euros in 2020).

The Telefónica Group uses a variety of strategies to manage this risk including, among others, the use of financial derivatives, which are also exposed to risk, including counterparty risk. The Group's risk management strategies may be ineffective, which could adversely affect the Group's business, financial condition, results of operations and/or cash flows. If the Group does not effectively manage its exposure to foreign currency exchange rates or interest rates, it may adversely affect its business, financial condition, results of operations and/or cash flows.

Legal and Compliance Risks.

Telefónica and Telefónica Group companies are party to lawsuits, antitrust, tax claims and other legal proceedings.

Telefónica and Telefónica Group companies operate in highly regulated sectors and are and may in the future be party to lawsuits, tax claims, antitrust and other legal proceedings in the ordinary course of their businesses, the outcome of which is unpredictable.

The Telefónica Group is subject to regular reviews, tests and audits by tax authorities regarding taxes in the jurisdictions in which it operates and is a party and may be a party to certain judicial tax proceedings. In particular, the Telefónica Group is currently party to certain litigation in Peru concerning certain previous years' income taxes, in respect of which a contentious-administrative appeal is currently pending, and to certain tax and regulatory proceedings in Brazil, primarily relating to the ICMS (a Brazilian tax on telecommunication services) and the corporate tax.

With respect to the latter, as of December 31, 2021, Telefónica Brazil maintained provisions for tax contingencies amounting to 340 million euros and provisions for regulatory contingencies amounting to 314 million euros. Although the Group considers its tax estimates to be reasonable, if a tax authority disagrees, the Group could face additional tax liability, including interest and penalties. There can be no guarantee that the payment of such additional amounts will not have a significant adverse effect on the Group's business, results of operations, financial condition and/or cash flows.

An adverse outcome or settlement in these or other proceedings, present or future, could result in significant

costs and may have a material adverse effect on the Group's business, financial condition, results of operations and/or cash flows.

The Telefónica Group is exposed to risks in relation to compliance with anti-corruption laws and regulations and economic sanctions programs.

The Telefónica Group is required to comply with the anti-corruption laws and regulations of the jurisdictions where it conducts operations around the world, including in certain circumstances with laws and regulations having extraterritorial effect such as the US Foreign Corrupt Practices Act of 1977 and the United Kingdom Bribery Act of 2010. The anti-corruption laws generally prohibit, among other conduct, providing anything of value to government officials for the purposes of obtaining or retaining business or securing any improper business advantage or failing to keep accurate books and records and properly account for transactions.

In this sense, due to the nature of its activities, the Telefónica Group is increasingly exposed to this risk, which increases the likelihood of occurrence. In particular, it is worth noting the continuous interaction with officials and public administrations in several areas, including the institutional and regulatory fronts (as the Telefónica Group carries out a regulated activity in different jurisdictions), the operational front (in the deployment of its network, the Telefónica Group is subject to obtaining multiple activity permits) and the commercial front (the Telefónica Group provides services directly and indirectly to public administrations). Moreover, Telefónica is a multinational group subject to the authority of different regulators and compliance with various regulations, which may be domestic or extraterritorial in scope, civil or criminal, and which may lead to overlapping authority in certain cases. Therefore, it is very difficult to quantify the possible impact of any breach, bearing in mind that such quantification must consider not only the economic amount of sanctions, but also the potential negative impact on the business, reputation and/or brand, or the ability to contract with public administrations.

Additionally, the Telefónica Group's operations may be subject to, or otherwise affected by, economic sanctions programs and other forms of trade restrictions ("sanctions") including those administered by the United Nations, the European Union and the United States, including the US Treasury Department's Office of Foreign Assets Control. The sanctions regulations restrict the Group's business dealings with certain sanctioned countries, individuals and entities. In this context, the provision of services by a multinational telecommunications group, such as the Telefónica Group, directly and indirectly, and in multiple countries, requires the application of a high degree of diligence to prevent the contravention of sanctions (which take various forms, including economic sanctions programs applicable to countries, lists of entities and persons sanctioned or

export sanctions). Given the nature of its activity, the Telefónica Group's exposure to these sanctions is particularly noteworthy.

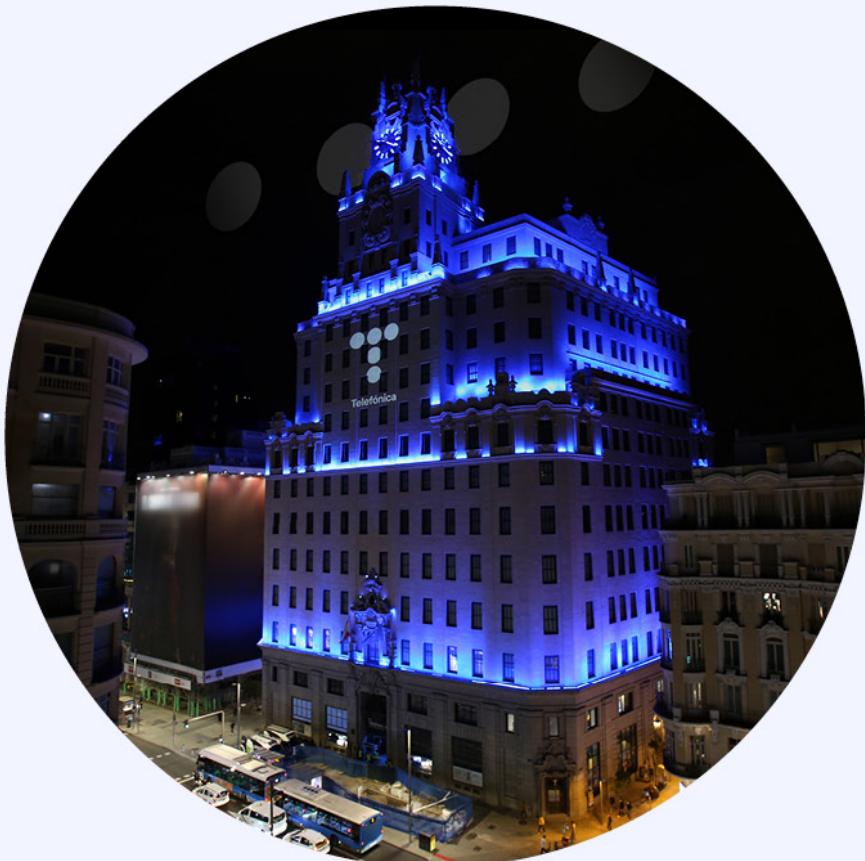
Although the Group has internal policies and procedures designed to ensure compliance with the above mentioned applicable anti-corruption laws and sanctions regulations, there can be no assurance that such policies and procedures will be sufficient or that the Group's employees, directors, officers, partners, agents and service providers will not take actions in violation of the Group's policies and procedures (or, otherwise in violation of the relevant anti-corruption laws and sanctions regulations) for which the Group, its subsidiaries or they may be ultimately held responsible. In this regard, the Group is currently cooperating with governmental authorities (and, where appropriate, conducting the relevant internal investigations) regarding requests for information potentially related, directly or indirectly to possible violations of applicable anti-corruption laws. Telefónica believes that, considering the size of the Group, any potential penalty as a result of matters relating to those specific information requests would not materially affect the Group's financial condition.

Notwithstanding the above, violations of anti-corruption laws and sanctions regulations could lead not only to financial penalties, but also to exclusion from government contracts, licenses and authorizations revocation, and could have a material adverse effect on the Group's reputation, or otherwise adversely affect the Group's business, financial condition, results of operations and/or cash flows.

Chapter 4

Annual Corporate Governance Report

- 4.1. Main aspects of Corporate Governance in 2021 and Prospects for 2022**
- 4.2. Structure of the Property**
- 4.3. General Shareholders' Meeting**
- 4.4. The Organisational Structure of the Administrative Bodies**
- 4.5. Transactions with Related Parties and Conflicts of Interest**
- 4.6. Risk Control and Management Systems**
- 4.7. Internal Risk Control and Management Systems in relation to the Financial Information Systems(SCIIF)**
- 4.8. IAGC Statistical Annex**
- 4.9. Other information of interest**



4.1. Main aspects of Corporate Governance in 2021 and prospects for 2022

4.1.1. Corporate Governance System GRI 102-18, 102-19, 102-22

Telefónica's basic corporate governance principles are set forth in its Bylaws, in the Regulations of its Board of Directors, in the Regulations for the General Shareholders' Meeting and in certain Policies relating to this matter; particularly noteworthy, among others, are the Diversity Policy in relation to the Board of Directors and the Selection of Board Members. These regulations determine the action principles of the Board, govern its organization and operation, and set the rules of conduct of its members.

The principles underlying Telefónica's corporate governance are the following:

- a. the maximization of the value of the Company in the interest of the shareholders,
- b. the essential role of the Board of Directors in the supervision of the management of the Company, and
- c. transparency as regards information in relations with its stakeholders including employees, shareholders, investors and customers, among others.

As provided in its Regulations of the Board of Directors, the Board will take the necessary measures to ensure: (i) that the Company's management team pursues the creation of value for the shareholders, (ii) that such management team is under its actual supervision, (iii) that no person or small group of persons holds a decision-making power that is not subject to checks and balances or controls, and (iv) that any shareholder receives privileged treatment compared to the others.

4.1.2. Continuous improvement of Corporate Governance

Telefónica is firmly committed to the ongoing improvement of its corporate governance framework, increasing, strengthening and consolidating best practices in this area.

In connection therewith, the Company constantly analyses and reviews its corporate governance structures and the level of compliance with the main

existing good governance recommendations, considering at all times possible initiatives for improvement in the short and medium term and always keeping in mind the search for the governance formula that best defends the interests of the shareholders and the creation of value.

Within this context, and as it did throughout 2020, Telefónica has continued in 2021 to improve and strengthen its corporate governance framework by, among other measures:

- i) the change in the formation of the Board of Directors and its Committees, in order to further develop the implementation of best practices and recommendations on Corporate Governance in terms of the number of Directors and composition of the Board;
- ii) updating its internal regulations, in accordance with the provisions of Law 5/2021 of April 12, amending the consolidated text of the Capital Companies Act, as approved by Royal Legislative Decree 1/2010 of July 2, and other financial regulations, with regard to the promotion of long-term shareholder involvement in listed companies (Law 5/2021) and
- iii) the total adaptation, due to the situation caused by COVID-19, of the holding of the General Shareholders' Meeting and the meetings of the Board of Directors and its Committees in online or mixed formats, with full effectiveness, with a very high number of meetings having been held in 2020 and 2021 using these modalities.

The details of the matters indicated in the preceding paragraphs are set out below:

Change in the composition of the Board of Directors and its Board Committees

During the financial year 2021, there have been changes in the composition of the Board of Directors, with the priority to further develop the implementation of best practices and recommendations in matters of Corporate Governance in terms of the number of Directors and formation of the Board. Similarly, the composition of some of the Board Committees has also been changed, with the aim of further strengthening and improving their performance and

the advisement and support they provide to the Board of Directors in their respective areas, in line with international best practices and recommendations.

The changes made are as follows:

Changes related to the composition of the Board of Directors

- The Board of Directors, at its meeting held on September 29, 2021, and at the proposal of the Nominating, Compensation and Corporate Governance Committee, co-opted Ms María Rotondo Urcola as an Independent Director of Telefónica, S.A.

Ms María Rotondo Urcola filled the vacancy on the Board as a result of the voluntary resignation of Ms Sabina Fluxà Thienemann from her position as Director for professional reasons.

The selection of Ms Rotondo as a candidate was made upon the counsel of the external consultant Spencer Stuart, and the proposal for her appointment was based on the ability, competence, experience, professional merits and willingness of the new Director to devote the time and effort necessary for the efficient performance of her duties, considering exclusively her personal and professional characteristics. Similarly, the Nominating, Compensation and Corporate Governance Committee verified and determined that the new director did not fall under any of the circumstances envisaged in Article 529 duodecies. 4 of the Capital Companies Act, being able to perform her duties without being conditioned by relations with the company or its group, its main shareholders, or its directors, and therefore being able to hold the category of independent director.

Ms María Rotondo Urcola holds a degree in Economics and Business Administration from the Complutense University of Madrid, and has received complementary training at various institutions such as ESG Academy/Foretica, IESE, IC-A, EEC, IMD, NYU, Harvard and Boston College, among others. She also teaches classes on Capital Markets at the Instituto de Consejeros y Administradores (ICA), and Special Operations Communication in the Master's Degree in Investor Relations at Bolsas y Mercados Españoles (BME). She is also co-director and lecturer in the Sustainability Programme at the Instituto de Empresa (IE) SYCA, where she teaches classes on corporate governance and sustainability.

She has extensive professional experience, having spent the last 10 years at Banco Santander (2006-2016) as Global Head of Telecommunications, Media and Technology at Santander Global Banking and Markets. Previously (1989-2006), at Santander Investment Sociedad de Valores y Bolsa, she was an investment analyst specialising in various sectors, in particular the telecommunications sector, Macroeconomist, and Director of European Analysis.

Accordingly, Ms Rotondo has outstanding financial, strategic and corporate governance experience and extensive knowledge of the Telecommunications sector, Media and Technology, which is of great importance to Telefónica.

- Similarly, the Board of Directors, in its meeting held on December 15, 2021, prior a favourable report by the Nominating, Compensation and Corporate Governance Committee, formally acknowledged and placed on record the voluntary resignation tendered by Mr Ignacio Moreno Martínez and Mr Jordi Gual Solé from their posts as Proprietary Directors of Telefónica, S.A. and, consequently, from all their posts on the Board of Directors and Committees of the Board, in order to enable the Company to continue to evolve in the implementation of best practices and recommendations in the field of Corporate Governance with regard to the number and composition of its Board of Directors.

Following the voluntary resignation of Mr Moreno and Mr Gual, the number of members of the Company's Board of Directors has been reduced from 17 to 15, in line with trends in Good Governance.

Changes related to the composition of Board Committees

- Executive Commission

On January 27, 2021, the Board of Directors moved to appoint the Independent Director Mr Peter Löscher as a member of the Executive Commission of the Board of Directors.

- Audit and Control Committee

On December 15, 2021, the Board of Directors moved to appoint Ms María Rotondo Urcola as a member of the Audit and Control Committee, replacing Mr Ignacio Moreno Martínez. Therefore, this Committee is composed solely of Independent Directors.

- Regulation and Institutional Affairs Committee

On December 15, 2021, the Board of Directors moved to appoint the Independent Directors Mr Juan Ignacio Cirac Sasturain and Ms Carmen García de Andrés as members of the Regulation and Institutional Affairs Committee, replacing Mr Ignacio Moreno Martínez and Mr Jordi Gual Solé.

Likewise, on December 15, 2021, Mr Francisco Javier de Paz Mancho was appointed Chairman of the Regulation and Institutional Affairs Committee, replacing Mr Ignacio Moreno Martínez.

- Sustainability and Quality Committee

On September 29, 2021, the Board of Directors moved to appoint Ms María Rotondo Urcola as a member of the Sustainability and Quality Committee.

Likewise, on December 15, 2021, the Board of Directors moved to appoint the Independent Director Ms María Luisa García Blanco as a member of the Sustainability and Quality Committee, replacing Mr Ignacio Moreno Martínez.

On this same date, the Sustainability and Quality Committee also moved to appoint Ms María Luisa García Blanco as Chairwoman of the Committee, replacing Mr Francisco Javier de Paz Mancho, who remains a member of the Committee.

- Strategy and Innovation Committee

On February 24, 2021, the Board of Directors moved to appoint the Independent Director Ms Claudia Sender Ramírez as a member of the Strategy and Innovation Committee, replacing Mr Peter Löscher, who ceased to be a member of the Committee.

Finally, the composition of the Nominating, Compensation and Corporate Governance Committee remains unchanged.

Update of Telefónica's Internal Regulations

Amendments to the Corporate Bylaws and the Regulations of the General Shareholders' Meeting

The General Shareholders' Meeting of Telefónica, S.A., at its meeting held on April 23, 2021, approved the amendment of the company's Corporate Bylaws and the Regulations of the General

Shareholders' Meeting, which had a twofold purpose:

- i. Enable the possibility of holding the General Shareholders' Meeting exclusively online, under the conditions provided for by law; and
- ii. Expressly regulate the possibility of granting proxies and casting votes prior to the General Shareholders' Meeting by telephone, both mechanisms that the Company had already implemented at the General Shareholders' Meetings held on June 12, 2020 and April 23, 2021 to promote the participation of shareholders in the meeting and in response to the health crisis situation caused by COVID-19.

The amendments are explained in greater detail in following:

- a. Amendment of Article 17 of the Corporate Bylaws and Article 8 of the General Meeting Regulations

The purpose of the changes made to these Corporate Bylaws was to adapt and complement the regulation on calls for the General Shareholders' Meeting in order to provide for the possibility of holding the meeting (a) in person only, (b) in person with the possibility of attending remotely, by electronic or telematic means, or (c) when there are reasons that make it advisable, and under the conditions provided for by law, exclusively by telematic means.

- b. Amendment of Article 18 of the Corporate Bylaws and Article 14 of the General Meeting Regulations

The changes included in Article 18 of the Corporate Bylaws and Article 14 of the General Meeting Regulations were intended to expressly establish that the General Shareholders' Meeting held exclusively by telematic means shall be deemed to be held at the registered offices, in line with the provisions of Article 182 bis of the Capital Companies Act.

In addition, Article 14 of the General Meeting Regulations specifies that the documentation provided to shareholders at the time of accessing the premises where the General Meeting of Shareholders is held shall be made available to those attending telematically when they log into the application.

- c. Amendment of Articles 20 and 25 of the Corporate Bylaws and Articles 13 and 22 of the Regulations of the General Shareholders' Meeting

The changes made to Articles 20 and 25 of the Corporate Bylaws and Articles 13 and 22 of the

General Meeting Regulations were intended to expressly provide for the possibility of granting proxies and casting remote votes prior to the General Meeting by telephone, indicating that the proxy granted and the vote cast by such means in accordance with the procedure indicated in the notice of call, if any, shall be deemed to have been granted and cast, respectively, by electronic communication. It is also specified that a copy of the duly completed attendance and proxy or voting card need only be attached if the proxy is granted or the vote is cast by electronic or postal correspondence; not, therefore, if it is cast by telephone.

Likewise, some amendments are introduced in all precepts in consequence to the authorisation to hold General Shareholders' Meetings exclusively by telematic means, under the conditions provided for under law.

d. Amendment of Article 21 of the Corporate Bylaws

The purpose of the amendment of Article 21 of Corporate Bylaws was to introduce technical improvements in the regulation of remote attendance by electronic or telematic means, indicating that remote attendance at the General Shareholders' Meeting and remote electronic voting during the meeting shall be governed by the provisions of the General Shareholders' Meeting Regulations and by such other implementing rules as may be determined by the Board of Directors when the meeting is convened. It is also expressly stated that it shall be the responsibility of the Board of Directors, in compliance with the law, the Corporate Bylaws and the of the General Shareholders' Meeting Regulations, to decide upon all procedural aspects necessary for shareholders attending remotely to exercise their rights with due guarantees. This gives the Board of Directors sufficient flexibility to adapt the regulation of telematic attendance to current legislation, the state of the art and the particular needs of Telefónica's shareholders at any given time.

e. Amendment of Article 22 of the Corporate Bylaws and Article 10 of the Regulations of the General Shareholders' Meeting

The changes made to Article 22 of the Corporate Bylaws and Article 10 of the General Meeting Regulations are in consequence to the above amendments and are aimed at adapting the wording of the shareholders' right to information in interventions made telematically.

f. Amendment of Article 24 of the Corporate Bylaws and Article 21 of the Regulations of the General Shareholders' Meeting

The purpose of the amendments made to these articles was to include certain technical

clarifications in relation to the management functions and organisation of the General Shareholders' Meeting that correspond to the meeting Chair, indicating that it will be the Chair who organises how the interventions will take place and, where applicable, grants the floor to shareholders who request it at the time he/she deems appropriate.

g. Amendment of Article 27 of the Corporate Bylaws

The purpose of the amendment to Article 27 of the Corporate Bylaws was to enable the notary to attend the General Meeting remotely, using the means of remote communication in real time that adequately guarantee the performance of the notarial function, in the event that the directors of the company require such intervention to take the minutes of the General Shareholders' Meeting which is held exclusively by telematic means.

h. Amendment of Article 23 of the General Shareholders' Meeting Regulations

Finally, the amendment to Article 23 of the General Meeting Regulations was intended to clarify that communications to the notary may be made in written or electronic format.

The amendment to the Corporate Bylaws was registered in the Madrid Mercantile Register on May 19, 2021, entry number 1938, and was also made available to shareholders on the Company's website.

Likewise, the amendment to the Regulations of the General Shareholders' Meeting was notified to the Spanish Securities Market Commission (CNMV in the Spanish initials) and registered in the Madrid Mercantile Register on May 27, 2021, entry number 1940, which is also made available to shareholders through the Company's website.

Amendment of the Board of Directors' Regulations

Likewise, the Board of Directors, at its meeting held on June 29 and 30, 2021, and at the proposal of the Appointments, Compensation and Corporate Governance Committee (which, in accordance with the provisions of Article 3 of the Board Regulations, prepared the corresponding Justificatory Report for such purpose), approved the partial amendment of the Board of Directors' Regulations of Telefónica, S.A.

The aforementioned amendment basically consisted of adapting it to the novelties introduced by Law 5/2021 of April 12, amending the revised text of the Capital Companies Act (Royal Legislative Decree 1/2010 of July 2) and other financial regulations, with regard to the promotion

of long-term shareholder involvement in listed companies.

Specifically, and in relation to the aforementioned partial amendment of the Board of Directors' Regulations, the new covenants introduced by Law 5/2021 include the following: (i) the amendment of the regime of related-party transactions applicable to listed companies, establishing new rules for their approval and reinforcing their transparency; (ii) the prohibition of appointing legal persons as directors in listed companies; and (iii) the review of the requirements for a parent company's Audit Committee to perform the functions of the Audit Committee of its subsidiaries that are public interest entities (PIEs).

As a result, the following articles of the company's Board of Directors' Regulations were amended:

- Firstly, Articles 5, 22, 31 and 39 were amended to update the regime for related-party transactions in line with the new regulation.
- Secondly, paragraphs 13 and 16 of section b) of Article 22, which describes the list of competences attributed to the Audit and Control Committee, were amended in relation to (i) the function of previously reporting the management report and mandatory non-financial information, in the terms established in the law and (ii) the new requirements established therein so that the Audit and Control Committee can assume the functions of the Audit Committee of its subsidiaries that are public interest entities (PIEs).
- Thirdly, considering the prohibition of appointing legal persons as directors in listed companies, Articles 10 and 32 were amended to delete references to their natural person representatives.
- Finally, a technical improvement was made to letter c) of Article 5.4, which regulates the authorisation or waiver of obligations arising from the duty of loyalty, to include a generic reference to the law and the Corporate Bylaws.

Likewise, the aforementioned amendment of the Board of Directors' Regulations was notified to the Spanish Securities Market Commission (CNMV) and registered in the Madrid Mercantile Registry on July 29, 2021, entry number 1944, and was also made available to shareholders through the Company's website. The next General Meeting of Shareholders will also be informed of this amendment.

Amendment of the Audit and Control Committee Regulations

The Board of Directors, at its meeting held on June 29 and 30, 2021, also approved, in coordination with the amendment of the Board of Directors' Regulations, to partially amend those of the Audit and Control Committee in order to incorporate the changes introduced in the Board of Directors' Regulations, essentially for the purpose of adapting them to the Capital Companies Act following its amendment by Law 5/2021.

In particular, Article 4 of the Committee's Regulations, which governs the list of functions attributed to the Audit and Control Committee, was amended for the following three purposes:

- In section xiii) of Article 4, the wording was amended to include a reference to its function of pre-reporting the management report and mandatory non-financial information, as provided for in the law.
- A new section xiv) was introduced to carry out the general function attributed to the Audit and Control Committee to report on related-party transactions prior to their approval, considering that in some cases their approval may correspond to the General Meeting or the Board of Directors, and to add the function of supervising the internal procedure established by the Company for those related-party transactions whose approval, where applicable, has been delegated by the Board of Directors reproducing the terms of the law.
- Finally, section xv) (now section xvi) was amended to adapt it to the new requirements established in the law so that the Audit and Control Committee can assume the functions of the Audit Committee of its subsidiaries that are public interest entities (PIEs).

The current version of the Regulations of the Audit and Control Committee is available for consultation on the Company's corporate website, in the Corporate Governance section under Shareholder and Investor Information (www.telefonica.com/accionistaseinversores).

Approval of the new Directors' Remuneration Policy

The General Shareholders' Meeting of Telefónica, S.A., at its meeting held on April 23, 2021, approved the new Remuneration Policy for the Directors of Telefónica, S.A., which came into force on the date of its approval by the General Shareholders' Meeting and, will remain in force until December 31, 2023, rendering the 2019-2021 Remuneration Policy in force up to that time null and void.

The aforementioned new Remuneration Policy is in line with and maintains the principles of the previous policy approved at the 2018 General

Shareholders' Meeting, although it does introduce some new features to update it in certain aspects in line with recent trends in corporate governance and remuneration, and to provide the Board with greater flexibility to reinforce the commitment to its shareholders, strategy alignment, value creation and the long-term sustainability of Telefónica:

- a. The extension from 1 to 2 years of the retention period applicable to the shares that, in such case, are delivered under the long-term incentive plans to be granted starting from 2021, with the aim of fostering the long-term commitment of Executive Directors to the company and ensuring better alignment with shareholders and best corporate governance and market practices.
- b. The retention period is extended to 3 years in case Executive Directors do not comply with the tenure requirement, thus adapting the commitment to the new recommendation 62 of the Corporate Governance Code, published in June 2020.
- c. In addition, it reflects the possibility that the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, may agree to grant extraordinary remuneration to Executive Directors and/or Senior Executives as a reward for their efforts and special dedication to the achievement of certain strategic milestones of the company, such as the success of certain corporate restructuring operations, provided that they generate significant added value for the company's shareholders and/or generate an economic benefit or a significant increase in equity that reinforces the long-term sustainability and growth of Telefónica. The maximum amount of this extraordinary variable remuneration is limited to 100% of the annual fixed remuneration and in no case may it exceed the maximum total remuneration allotted to executive directors set out in this policy, which is maintained with respect to that applicable in the previous policy approved in 2018.
- d. The standardisation of the *no-claim* and clawback clauses applicable to any element of variable remuneration, promoting prudent risk management and in line with best corporate governance and market practices.

The holding of meetings by remote or mixed means due to the situation caused by COVID-19

Due to the situation caused by COVID-19, in 2020 and 2021 the Company adapted the organisation of the meetings of its Board of Directors and its Committees and its Ordinary General Shareholders' Meeting with full effectiveness, holding them exclusively by remote or mixed means instead of with physical attendance in order to guarantee their continuity, at all times and without interruptions. The number of meetings held by the Company's governing bodies in 2021 totalled more than 80, demonstrating the intense activity of said bodies and the Directors' firm undertaking to perform their duties with dedication and commitment.

4.1.3. Key issues of the Board of Directors

As of December 31, 2021, key issues of the Board of Directors of Telefónica, S.A. are detailed below:



60% Independent Directors

0.34% total voting rights

8.50 Years - Average Director Tenure

Renewed Board of Directors since 2016
66.66% Directors

New Lead Independent Director

since December 2019

Similarly, regarding the diversity of the Board, the following aspects stand out:

% Directors with the following Knowledge and Skills

Economic/Finance	60 %
Risks	53 %
Innovation/Technology	47 %
Engineering/Physics	27 %
Legal	20 %
Humanities	20 %

% Directors with Professional Experience in the following sectors

Industry	40 %
Academic	33 %
Banking	27 %
ESG	20 %
Public Administration	13 %
Services	7 %
Marketing	7 %
NGO/Foundations	7 %

Nationality

Spanish	12
English	1
Austria	1
Brazilian	1

Number of Directors with International Experience

Europe	15
Latin America	15
Asia	3
USA	4

% Women of Board

2016	11 %
2017	19 %
2018	18 %
2019	29 %
2020	29 %
2021	33 %

Board Diversity by Age

Over 60	6
Between 50-60	7
Under 50	2

Likewise, shown below is the composition of the Board of Directors along with each of its Committees as of December 31, 2021. Additional information can be found in section 4 of the Annual Corporate Governance Report, and in section C of the Annual Corporate Governance Report statistical annex.

Name	Post	Board of Directors				Board Committees					
		Executive	Proprietary	Independent	Other External	Executive Commission	Audit and Control	Nominating, Compensation and Corporate Governance	Sustainability and Quality	Regulation and Institutional Affairs	Strategy and Innovation
Mr. José María Álvarez-Pallete López	Chairman	X				C					
Mr. Isidro Fainé Casas	Vice-Chairman		X			VC					
Mr. José María Abril Pérez	Vice-Chairman		X			VC				M	
Mr. José Javier Echenique Landiríbar	Vice-Chairman and Lead Independent Director			X		VC	M	C			
Mr. Ángel Vilá Boix	Chief Operating Officer (C.O.O.)	X				M					
Mr. Juan Ignacio Cirac Sasturain	Member		X						M	M	M
Mr. Peter Erskine	Member			X	M		M				C
Ms. Carmen García de Andrés	Member		X			M			M	M	
Ms. María Luisa García Blanco	Member		X				M	C	M		
Mr. Peter Löschner	Member		X			M	C	M			
Ms. Verónica Pascual Boé	Member		X								M
Mr. Francisco Javier de Paz Mancho	Member			X	M		M	M	M	C	
Mr. Francisco José Riberas Mera	Member		X								
Ms. María Rotondo Urcola	Member		X			M			M		
Ms. Claudia Sender Ramírez	Member		X					M		M	
C	Chairman										
VC	ViceChairman										
M	Member										

It also details the individual attendance of directors at meetings of the Board of Directors and each of its Committees during the year 2021.

Attendance at meetings of the Board and its Committees in 2021

Name	Board of Directors	Board Committees					
		Executive Commission	Audit and Control	Nominating, Compensation and Corporate Governance	Sustainability and Quality	Regulation and Institutional Affairs	Strategy and Innovation
Mr. José María Álvarez-Pallete López	13/13	19/19					
Mr. Isidro Fainé Casas	11/13	17/19					
Mr. José María Abril Pérez	13/13	19/19					11/11
Mr. José Javier Echenique Landiríbar	13/13	19/19	11/11	12/12			
Mr. Ángel Vilá Boix	13/13	19/19					
Mr. Juan Ignacio Cirac Sasturain ¹	13/13			10/10	1/1		11/11
Mr. Peter Erskine	13/13	17/19		12/12			11/11
Ms. Carmen García de Andrés ²	13/13		11/11		10/10	0/1	
Ms. María Luisa García Blanco ³	13/13			12/12		11/11	
Mr. Peter Löscher ⁴	13/13	15/16	11/11	10/12			1/1
Ms. Verónica Pascual Boé	12/13						10/11
Mr. Francisco Javier de Paz Mancho	13/13	19/19		12/12	10/10	11/11	
Mr. Francisco José Riberas Mera	12/13						
Ms. María Rotondo Urcola ⁵	3/3			3/3			
Ms. Claudia Sender Ramírez ⁶	13/13			10/10			10/10
Ms ^a Sabina Fluxà Thienemann ⁷	10/10						
Mr. Jordi Gual Solé ⁸	13/13				10/10	10/10	
Mr. Ignacio Moreno Martínez ⁸	13/13		11/11		8/10	10/10	

Note. The table details the attendance of directors who have personally attended the meetings of the Board of Directors or its committees, not counting the attendance of directors made by proxy.

1. Member of the Regulation and Institutional Affairs Committee from December 15, 2021.

2. Member of the Regulation and Institutional Affairs Committee from December 15, 2021.

3. Member and Chairman of the Sustainability and Quality Committee from December 15, 2021.

4. Member of the Executive Commission from January 27, 2021. Ceased to be a member of the Strategy and Innovation Committee on February 24, 2021.

5. Member of the Board of Directors and the Sustainability and Quality Committee from September 29, 2021, and also a member of the Audit and Control Committee since December 15.

6. Member of the Strategy and Innovation Committee from February 24, 2021.

7. Ceased to be a member of the Board of Directors on September 29, 2021.

8. Ceased to be members of the Board of Directors and of all the committees of which they were members on December 15, 2021.

4.2. Structure of the Property

4.2.1. Share Capital

As of December 31, 2021, the share capital of Telefónica, S.A. was set at 5,779,048,020 euros and is divided into 5,779,048,020 common shares, of a single series and with a par value of 1 euro each, fully paid in. All the shares of the Company have the same characteristics and carry the same rights and obligations.

On May 5, 2021, the share capital reduction deed was registered, for an amount of 82,896,466 euros, in which 82,896,466 own shares that were in treasury stock were redeemed, with a nominal value of 1 euro each. Following the share capital reduction, the share capital was set at 5,443,534,596 euros.

On June 22, 2021, the deed granted was registered for a paid-up capital increase in the amount of 194,518,911 euros, in which 194,518,911 ordinary shares with a par value of 1 euro each were issued against reserves as part of the scrip dividend. Following the share capital increase, the share capital was set at 5,638,053,507 euros.

On December 23, 2021, the closing statement was registered for the bonus issue of 140,994,513 euros, in which 140,994,513 ordinary shares at a par value of one euro each were issued against reserves as part of the scrip dividend shareholder remuneration. Following this issue, the share capital stood at 5,779,048,020 euros.

The shares of Telefónica, S.A. are represented by book entries that are listed on the Spanish Electronic Market (within the selective Ibex 35 index) and on the four Spanish Stock Exchanges (Madrid, Barcelona, Valencia and Bilbao), as well as on the New York and Lima Stock Exchanges (on these latter two Exchanges through American Depository Shares (ADSs), with each ADS representing one share of the Company).

As of December 31, 2021, the total number of shareholders of Telefónica, S.A. amounted to 1.2 million, and the distribution by investors categories was as follows:

Investor Category	% Share Capital
Domestic Institutional	21 %
Foreign Institutional	49 %
Retail	30 %

Treasury shares

At its meeting held on May 31, 2017, the Board of Directors of the Company approved the General Framework for Discretionary Treasury Shares Operations of Telefónica, S.A., as provided in articles 16.2 and 17.6 of Telefónica's

Internal Rules of Conduct in Matters Relating to the Securities Markets (the "IRC").

Such General Framework sets forth the discretionary action principles for the management of treasury shares, observing and respecting the provisions of the above-mentioned Rules, particularly as regards restrictions on price, volume and timing of the transactions.

As of the closing date of the 2021 fiscal year, the number of direct shares held as treasury shares stood at 139,329,370 (2.41% of the share capital).

As for the changes in treasury shares that occurred during the fiscal year, see [Note 17 \(Equity\)](#) of the Consolidated Accounts of Telefónica, S.A. for fiscal year 2021.

Furthermore, and in connection with the authorization granted to the Board of Directors by the shareholders at the General Shareholders' Meeting to acquire the Company's own shares, the shareholders acting at the Ordinary General Shareholders' Meeting of Telefónica held on June 8, 2018 resolved to renew the aforementioned authorization granted by the shareholders themselves at the General Shareholders' Meeting of May 30, 2014 for the derivative acquisition of own shares, either directly or through companies of the Group, on the terms that are literally set forth below:

"A) To authorize, pursuant to the provisions of Section 144 et seq. of the Spanish Companies Act (Ley de Sociedades de Capital), the derivative acquisition by Telefónica, S.A., either directly or through any of the subsidiaries, at any time and as many times as it deems appropriate, of its own fully-paid in shares through purchase and sale, exchange or any other legal transaction.

The minimum acquisition price or minimum value consideration shall be equal to the par value of the shares of its own stock acquired, and the maximum acquisition price or maximum value consideration shall be equal to the listing price of the shares of its own stock acquired by the Company on an official secondary market at the time of the acquisition.

Such authorization is granted for a period of five years as from the date of this General Shareholders' Meeting and is expressly subject to the limitation that the par value of the

Company's own shares acquired directly or indirectly pursuant to this authorization added to those already held by Telefónica, S.A. and any of its subsidiaries shall at no time exceed the maximum amount permitted by the Law at any time, and the limitations on the acquisition of the Company's own shares established by the regulatory Authorities of the markets on which the shares of Telefónica, S.A. are traded shall also be observed.

It is expressly stated for the record that the authorization granted to acquire shares of its own stock may be used in whole or in part to acquire shares of Telefónica, S.A. that it must deliver or transfer to directors or employees of the Company or of companies of its Group, directly or as a result of the exercise by them of their option rights, all within the framework of duly approved compensation systems referencing the listing price of the Company's shares.

- B) To authorize the Board of Directors, as broadly as possible, to exercise the authorization granted by this resolution and to implement the other provisions contained therein; such powers may be delegated by the Board of Directors to the Executive Commission, the Executive Chairman of the Board of Directors, the Chief Operating Officer or any other person expressly authorized by the Board of Directors for such purpose.
- C) To deprive of effect, to the extent of the unused amount, the authorization granted under Item V on the Agenda by the shareholders at the Ordinary General Shareholders Meeting of the Company on May 30, 2014."

Authorisation to increase share capital

As regards the authorizations conferred in respect of the share capital, and in addition to the authorization already described to acquire the Company's own shares, the shareholders acting at the Ordinary General Shareholders' Meeting held on June 12, 2020 resolved to delegate to the Board of Directors, as broadly as required by Law, pursuant to the provisions of Section 297.1.b) of the Companies Act, the power to increase the share capital on one or more occasions and at any time, within a period of five years from the date of adoption of such resolution, by the maximum nominal amount of 2,596,065,843 euros, equal to one-half of the share capital of the Company on the date of adoption of the resolution at the General Shareholders' Meeting, issuing and floating the respective new shares for such purpose with or without a premium, the consideration for which will consist of monetary contributions, with express provision for incomplete subscription of the shares to be issued. The Board of Directors was also authorized to

exclude pre-emptive rights in whole or in part, as provided in section 506 of the Companies Act. However, the power to exclude pre-emptive rights is limited to 20% of the share capital on the date on which the resolution is adopted. In accordance with the above-mentioned authorization, as of the end of fiscal year 2021, the Board would be authorized to increase the share capital by the maximum nominal amount of 2,596,065,843 euros.

Furthermore, the shareholders at the Ordinary General Shareholders' Meeting of Telefónica, S.A., held on June 12, 2020, delegated to the Board of Directors, in accordance with the general rules governing the issuance of debentures and pursuant to the provisions of applicable law and the Company's Bylaws, the power to issue debentures, bonds, notes and other fixed-income securities and hybrid instruments, including preferred shares, which may in all cases be simple, exchangeable and/or convertible and/or grant the holders thereof a share in the earnings of the Company, as well as warrants, with the power to exclude the pre-emptive rights of shareholders. The aforementioned securities may be issued on one or more occasions, within a maximum period of five years as from the date of adoption of the resolution. However, the power to exclude pre-emptive rights is limited to 20% of the share capital on the date on which the resolution is adopted. The securities issued may be debentures, bonds, notes and other fixed-income securities, or debt instruments of a similar nature, or hybrid instruments in any of the forms admitted by Law (including, among others, preferred interests) both simple and, in the case of debentures, bonds and hybrid instruments, convertible into shares of the Company and/or exchangeable for shares of the Company, of any of the companies of its Group or of any other company and/or giving the holders thereof an interest in the corporate earnings. Such delegation also includes warrants or other similar instruments that may entitle the holders thereof, directly or indirectly, to subscribe for or acquire newly-issued or outstanding shares, payable by physical delivery or through differences. The aggregate amount of the issuance or issuances of instruments that may be approved in reliance on this delegation may not exceed, at any time, 25,000 million euros or the equivalent thereof in another currency. In the case of notes and for purposes of the above-mentioned limits, the outstanding balance of those issued in reliance on the delegation shall be computed. In the case of warrants, and also for the purpose of such limit, the sum of the premiums and exercise prices of each issuance shall be taken into account.

Furthermore, under the aforementioned delegation resolution, the shareholders at the Ordinary General Shareholders' Meeting of Telefónica, S.A. resolved to authorize the Board of Directors to guarantee, in the name of the Company, the issuance of the aforementioned instruments issued by the Companies belonging to its Group of Companies, within a maximum

period of five years as from the date of adoption of the resolution.

Restrictions on the transferability of securities and/or voting rights

As for the existence of restrictions on the transfer of securities and/or voting rights, in accordance with article 26 of the Company's Bylaws, no shareholder may exercise a number of votes exceeding 10 percent of the total share capital with voting rights existing at any time, regardless of the number of shares held, all of the foregoing with full and mandatory submission to the provisions of the Law. In determining the maximum number of votes that each shareholder may cast, only the shares held by the shareholder in question shall be computed, not including those held by other holders who have delegated their representation to that shareholder, without prejudice to the application of the same percentage limit of 10% to each of the shareholders represented individually.

The limitation established in the preceding paragraph shall also apply to the maximum number of votes that may be cast –either jointly or separately- by two or more shareholder companies belonging to the same group of entities, as well as to the maximum number of votes that may be cast by an individual or legal entity that is a shareholder, and the entity or entities, also shareholders, that the former directly or indirectly controls.

For the purposes indicated in the preceding paragraph, in order to consider the existence of a group of entities, as well as the control situations indicated above, the provisions of section 18 of the Companies Act shall apply.

Establishing in the Bylaws the maximum number of votes that may be cast by the same shareholder or by shareholders belonging to the same group (article 26 of the Bylaws) is warranted because the purpose of such measure is to establish an appropriate balance and to protect the position of minority shareholders, preventing a possible concentration of votes on a small number of shareholders, which could affect the furtherance of the corporate interest or the interest of all the shareholders as a guide for the actions of the shareholders at the General Shareholders' Meeting. Telefónica believes that this measure does not constitute a mechanism to block public tender offers but rather a guarantee that the acquisition of control will require sufficient consensus among all the shareholders since, as is natural and may be seen from experience, potential offerors may condition their offer to the removal of such block.

In addition, and in accordance with section 527 of the Companies Act, at listed companies, bylaw provisions that directly or indirectly establish, in general terms, the maximum number of votes that may be cast by a single shareholder, companies belonging to the same group or those acting in concert with the foregoing shall cease to

have effect when, following a public tender offer, the offeror has reached a percentage equal to or greater than 70 percent of the capital carrying voting rights, unless such offeror is not subject to equivalent neutralization measures or has not adopted them.

On the other hand, the provisions of Law 19/2003, of July 4, on the Legal System of Transfers of Capital and of Financial Transactions with Foreign Countries (the Law 19/2003) might also apply, which provisions establish that the Government may decide the suspension of the regime of deregulation on foreign investments set out therein in the event of acts, businesses, transactions or operations that, because of their nature, form or conditions of performance, affect or may affect activities related, even if only occasionally, to public order or activities directly related to the national defense, or activities that affect or may affect public order, public safety and public health.

In addition, account should be taken of the latest amendments to Law 19/2003 (introduced by Royal Decree-Law 8/2020 of March 17, Royal Decree-Law 11/2020 of March 31, Royal Decree-Law 34/2020 of November 17, Royal Decree-Law 12/2021 of June 24, and Royal Decree-Law 27/2021 of November 23) which, in addition to maintaining the aforementioned regime, establishes the suspension of the liberalisation regime for certain investment operations, particularly affecting foreign direct investment in Spain in certain sectors, including the telecommunications sector. This regime establishes a compulsory process, based on reasons of security, public order and public health, which implies that the closure of certain investment operations in Spain is subject to prior administrative authorisation, when the circumstances provided for in the aforementioned regulation are met.

On the other hand, the shareholders at a General Shareholders' Meeting of Telefónica, S.A. have not resolved to adopt any neutralization measure in the event of a public tender offer in reliance on the provisions of the Securities Market Act.

4.2.2. Significant Shareholders

According to the information existing at the Company, there is no individual or legal entity that directly or indirectly, individually or jointly with others, exercises or may exercise control over Telefónica on the terms set out in section 5 of the Securities Market Act.

As of the closing date of fiscal year 2021, there are, however, certain shareholders holding interests that may be considered significant within the meaning of Royal Decree 1362/2007, of October 19, and which are the following:

Name or corporate name of shareholder	% voting rights attributed to shares		% of voting rights through financial instruments		% of total voting rights
	Direct	Indirect	Direct	Indirect	
Banco Bilbao Vizcaya Argentaria, S.A. (*)	4.97	0.02	0.00	0.00	4.99
CaixaBank, S.A. (**)	4.49	0.00	0.00	0.00	4.49
BlackRock, Inc.(***)	0.00	4.32	0.00	0.16	4.48

(*) Based on the information provided by Banco Bilbao Vizcaya Argentaria, S.A. for the Annual Corporate Governance Report of Telefónica, S.A. for the 2021 financial year. Furthermore, according to the aforementioned information provided by BBVA, the percentage of economic rights attributed to the shares of Telefónica, S.A. owned by BBVA at December 31, 2021 amounts to 5.23% of the company's share capital.

(**) Based on information provided by CaixaBank, S.A. for the Annual Corporate Governance Report of Telefónica, S.A. for 2021.

(***) Based on the information notified by BlackRock, Inc. to the CNMV on March 31, 2020, as updated per the share capital of Telefónica, S.A. as of December 31, 2021. Based on the Schedule 13G/A filed with the SEC, on February 4, 2022, BlackRock, Inc. beneficially owned 5.02% of Telefónica, S.A. shares (4.39% of voting rights).

Breakdown of indirect interest:

Name or corporate name of indirect owner	Name or corporate name of direct owner	% voting rights attributed to shares	% of voting rights through financial instruments	% of total voting rights
Banco Bilbao Vizcaya Argentaria, S.A.	BBVA Seguros, S.A. de Seguros y Reaseguros	0.02	0.00	0.02
BlackRock, Inc.	BlackRock Group	4.32	0.16	4.48

It is hereby stated for the record that Telefónica is not aware of the existence of family, commercial, contractual or corporate relationships (whether significant or not arising in the ordinary course of business) among the holders of significant interests in its share capital.

Below is a description of the commercial, contractual or corporate relationships existing between the holders of significant interests and Telefónica, S.A. and/or its Group of companies (except for those of little significance or arising in the ordinary course of business)

Name of related party	Nature of relationship	Brief description
Banco Bilbao Vizcaya Argentaria, S.A.	Corporate	Shareholding of Banco Bilbao Vizcaya Argentaria, S.A. (or any of the companies of its Group), together with Telefónica, S.A. and with CaixaBank, S.A., in Telefónica Factoring España, S.A., TFP, S.A.C., Telefónica Factoring Colombia, S.A., Telefônica Factoring do Brasil, Ltda., Telefónica Factoring México, S.A. de C.V., SOFOM, E.N.R., Telefonica Factoring Chile, S.A. (indirectly through Telefónica Factoring España, S.A.) and Telefónica Factoring Ecuador, S.A. (indirectly through TFP, S.A.C.).
Banco Bilbao Vizcaya Argentaria, S.A.	Corporate	Shareholding of Ciérnava, S.L. (a company which belongs to Grupo BBVA), together with Telefónica Compras Electrónicas, S.L.U., in Adquira España, S.A.
Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Memorandum of understanding executed by Telefónica Digital España, S.L.U. with the aim of exploring a potential collaboration to offer loans to consumers and SME in Argentina, Colombia, and Perú.
Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Financial Collaboration Agreement signed with Banco Bilbao Vizcaya Argentaria, S.A., with special conditions for the Employees, Retirees and Pre-retirees group of the Telefónica Group.
Banco Bilbao Vizcaya Argentaria, S.A.	Corporate	Joint venture agreement executed between Telefónica Digital España, S.L.U. and Compañía Chilena de Inversiones, S.L., an affiliated company of BBVA, related to the incorporation of a subsidiary in Colombia with the aim of commercializing loans to consumers and SME in such country. On January 5, 2021, this company was incorporated as a 50% joint venture between the two companies, under the name Movistar Consumer Finance Colombia, S.A.S.
CaixaBank, S.A.	Corporate	Shareholding of CaixaBank, S.A., with Telefónica, S.A. and with Banco Bilbao Vizcaya Argentaria, S.A. (or with any of the companies of its Group), in Telefónica Factoring España, S.A., TFP, S.A.C., Telefónica Factoring Colombia, S.A., Telefônica Factoring do Brasil, Ltda., Telefónica Factoring México, S.A. de C.V., SOFOM, E.N.R., Telefonica Factoring Chile, S.A. (indirectly through Telefónica Factoring España, S.A.) and Telefónica Factoring Ecuador, S.A. (indirectly through TFP, S.A.C.).
CaixaBank, S.A.	Corporate	Shareholding of Caixabank Payments & Consumer, E.F.C., E.P., S.A.U. (subsidiary of CaixaBank, S.A.) together with Telefónica, S.A., in Telefónica Consumer Finance, E.F.C., S.A.
CaixaBank, S.A.	Contractual	Financial Collaboration Agreement signed with CaixaBank, S.A., with special conditions for the Employees, Retirees and Pre-retirees group of the Telefónica Group.

Similarly, below is a description of the relationships and/or positions of some of the Directors of Telefónica, S.A. with its significant shareholders:

Name or company name of related director or representative	Name of company name of related significant shareholder	Company name of the group company of the significant shareholder	Description of relationship/post
Mr. José María Abril Pérez	Banco Bilbao Vizcaya Argentaria, S.A.	Banco Bilbao Vizcaya Argentaria, S.A.	Formerly General Manager of Wholesale and Investment Banking in Banco Bilbao Vizcaya Argentaria, S.A.
Mr. Isidro Fainé Casas	CaixaBank, S.A.	CaixaBank, S.A.	-

Remarks

Mr. José María Abril Pérez

Name or company name of the shareholder represented or that has proposed their appointment: Banco Bilbao Vizcaya Argentaria, S.A.

Mr. Isidro Fainé Casas

Name or company name of the shareholder represented or that has proposed their appointment: CaixaBank, S.A.

4.2.3. Directors' Shareholdings

As of December 31, 2021, the total percentage of voting rights (attributed to shares and financial instruments) held by the Board of Directors was 0.340%.

Specifically, as of such date, and as an indication of their commitment to the Company, the interest in Telefónica, S.A. held by the Executive Chairman, Mr. José María Álvarez-Pallete López and by the Chief Operating Officer, Mr. Ángel Vilá Boix, amounted to 0.066% and to 0.032% of the total voting rights, respectively.

4.3. General Shareholders' Meeting

4.3.1. Shareholders' Rights

The Bylaws of Telefónica, S.A. provide for a single class of shares (common shares), giving all the holders thereof identical rights. There are no non-voting shares or shares, or a loyalty vote, carrying more than one vote or with privileges in the distribution of dividends, or reinforced quorum or qualified majorities other than those established by law.

There is no provision for the shareholders at a General Shareholders' Meeting having to approve decisions entailing an acquisition, disposition or the contribution to another company of essential assets or similar corporate transactions other than those established by law.

This section describes some of the main rights of the shareholders of the Company.

Right to receive information

The General Shareholders' Meeting is called as much in advance as required by law, through a notice published in, at a minimum, (i) the Official Gazette of the Commercial Registry or one of the widest circulation dailies in Spain, (ii) the website of the National Securities Market Commission and (iii) the Company's corporate website.

The notice published on the Company's corporate website remains accessible on a continuous basis at least until the holding of the General Shareholders' Meeting; the Board of Directors may publish notices in other media, if it deems it advisable, in order to ensure public and effective dissemination of the call to meeting.

From the date of publication of the notice of the call to the General Shareholders' Meeting, the Company makes available to its shareholders the documents and information that must be provided to them in accordance with legal or bylaw-mandated requirements in connection with the various items included on the agenda; such items and documents are posted on the Company's website from the above-mentioned date. Notwithstanding the foregoing, shareholders may obtain such documents and information immediately and free of charge at the Company's registered office, and request that they be delivered or mailed to them free of charge, in the cases and on the terms established by law.

In addition, from the date of publication of the call to the General Shareholders' Meeting and until the fifth day prior to the date set for the holding of the meeting on first call, any shareholder may request in writing such information or clarifications or ask such questions in writing as it deems relevant concerning the matters included on the Agenda of the call to meeting, or

concerning the information accessible to the public that the Company may have provided to the National Securities Market Commission since the holding of the immediately preceding General Shareholders' Meeting, or concerning the auditor's report.

The Board of Directors will be required to provide in writing, until the day of the holding of the General Shareholders' Meeting, the requested information or explanations, as well as to reply, also in writing, to the questions asked. The replies to the questions and to the requests for information will be sent through the Secretary of the Board of Directors by any of the members of the Board or by any person expressly authorized by the Board of Directors for such purpose.

During the holding of the General Shareholders' Meeting, shareholders may request such information or explanations as they deem appropriate concerning the matters included on the Agenda or with respect to the information accessible to the public provided by the Company to the National Securities Market Commission since the holding of the last General Shareholders' Meeting or concerning the auditor's report. In the event that it is impossible to satisfy the shareholder's right at that time, the Board of Directors will be required to provide such information in writing within seven days of the end of the General Shareholders' Meeting.

The Board of Directors will be required to provide the requested information as described in the two preceding paragraphs in the manner and within the periods established by law, except in those cases where (i) such information is unnecessary for the protection of the shareholder's rights or there are objective reasons to consider that it could be used other than for corporate purposes, or the dissemination thereof would harm the Company or its related companies; (ii) the request for information or explanations does not relate to matters included on the Agenda or, in the case of paragraph two of this subsection (Right to Receive Information), to information accessible to the public that was provided by the Company to the National Securities Market Commission since the holding of the last General Shareholders' Meeting; and (iii) it is so established in statutory or regulatory provisions. The exception described in subsection (i) above shall not apply if the information was requested by shareholders representing at least one-fourth of the share capital.

The replies to shareholders attending the General Shareholders' Meeting from a distance electronically and simultaneously and exercising their right to receive information through such procedure shall be provided,

where applicable, during the meeting itself, or in writing, within seven days following the General Shareholders' Meeting.

Supplement to the call to the General Shareholders' Meeting and right to submit new proposals for agreement

Shareholders representing at least three percent of the share capital may request that a supplement to the call to the Ordinary General Shareholders' Meeting be published, including one or more items on the Agenda, provided the new items are accompanied by a rationale or, if appropriate, by a duly substantiated proposed resolution. In addition, and on the terms set forth in section 519 of the Companies Act (Ley de Sociedades de Capital), shareholders representing at least three percent of the share capital may, within five days following publication of the notice of the call to meeting, submit duly substantiated proposed resolutions on matters already included or that must be included on the Agenda. Such rights shall be exercised by means of duly authenticated notice, which must be received by the Company in accordance with the provisions of the Law.

Right to attend and to appoint a proxy

Shareholders holding at least 300 shares registered in their name in the respective book-entry register five days prior to the General Shareholders' Meeting and providing evidence thereof through the respective attendance card or certificate issued by the Company or by any of the Depositary Entities Members of Sociedad de Gestión de los Sistemas de Registro, Compensación y Liquidación de Valores, S.A.U. (IBERCLEAR) or in any other form allowed by applicable legislation may attend the General Shareholders' Meeting called.

Any shareholder having the right to attend may be represented at the General Shareholders' Meeting by another person, even if such person is not a shareholder. Proxies may be granted through the proxy forms printed on the attendance cards or in any other manner allowed by law, without prejudice to the provisions of the Companies Act regarding cases of representation by family members and the grant of general powers of attorney. The documents granting the proxy for the General Shareholders' Meeting shall include instructions concerning the direction of the vote. Unless the shareholder granting the proxy expressly states otherwise, it shall be deemed that such shareholder issues precise voting instructions in favor of the proposed resolutions submitted by the Board of Directors on the matters included on the Agenda. If there are no voting instructions because the shareholders acting at the General Shareholders' Meeting could decide on matters that, while not included on the Agenda and therefore not known on the date on which the proxy is granted, might be put to a vote at the General Shareholders' Meeting, the proxy shall cast the vote in the direction the proxy

considers best, taking into account the interest of the Company and that of the shareholder the proxy represents. The same provisions shall apply when the respective proposal or proposals submitted to a decision of the shareholders at the General Shareholders' Meeting were not made by the Board of Directors.

It is expressly stated for the record that the notice of call of the last Ordinary General Shareholders' Meeting expressly provided that unless the shareholder granting the proxy expressly stated otherwise, such shareholder would be deemed to issue precise instructions to vote against the respective resolution on any matter that, while not included on the Agenda and therefore not known on the date on which the proxy was granted, might be put to a vote at the General Shareholders' Meeting.

If the proxy document does not state the specific person to whom the shareholder grants his proxy, it shall be deemed to have been granted to the Chair of the Board of Directors of the Company or to the person who may replace him as Chair of the General Shareholders' Meeting. If the appointed proxy should be in a situation of conflict of interest regarding the vote on any of the proposals which, whether or not included on the Agenda, are submitted at the General Shareholders' Meeting and the shareholder granting the proxy has not issued precise voting instructions, the proxy shall be deemed to have been granted to the Secretary for the General Shareholders' Meeting.

Shareholders who are not holders of the minimum number of shares required to attend may also grant a proxy in writing with respect to such shares to a shareholder with the right to attend or form a group with other shareholders in the same situation until they have the necessary number of shares, and grant a proxy in writing to one of them.

Right to vote and adoption of resolutions

Every share present in person or by proxy at the General Shareholders' Meeting shall entitle the holder thereof to one vote.

Resolutions shall be adopted by simple majority, meaning that proposed resolutions will be approved when the number of votes in favor of each proposal is greater than the number of votes against it (regardless of the number of blank votes and abstentions), without prejudice to the reinforced voting quorums established in the law and in the Bylaws.

Rules for amending the Company's Bylaws

The Bylaws and Regulations for the General Shareholders' Meeting of Telefónica confer upon the shareholders acting at a General Shareholders' Meeting the power to approve the amendment of the Bylaws (articles 15 and 5, respectively), subject to applicable legal provisions for all other matters.

The procedure for amending the Bylaws is established in sections 285 et seq. of the Companies Act, and must be approved at the General Shareholders' Meeting complying with the quorum and majorities required in sections 194 and 201 of the same law. In particular, if the General Shareholders' Meeting is summoned to deliberate on Bylaw amendments, including capital increases or reductions, on eliminating or restricting pre-emptive rights in respect of new shares and on the transformation, merger, spin-off or the global assignment of assets and liabilities and the relocation of the registered office abroad, then shareholders that own at least fifty percent of the subscribed capital with voting rights will have to be present or be represented by proxy on first call. If there is no sufficient quorum, the General Shareholders' Meeting will be held on second call, in which case at least twenty-five percent of the subscribed capital with voting rights will need to be present, either in person or by proxy. When shareholders that represent less than fifty percent of the subscribed capital with voting rights are present at the Meeting, either in person or by proxy, the resolutions referred to above may only be approved when two-thirds of the capital, present or represented by proxy at the Meeting, vote in favor of the resolution.

Pursuant to section 286 of the Companies Act, if the Bylaws are amended, the Directors or, if appropriate, the shareholders who made the proposal must draw up in full the text of their proposed amendment and a written report justifying the amendment, which must be made available to the shareholders when the General Shareholders' Meeting is called to deliberate on the amendment.

Furthermore, and pursuant to section 287 of the Companies Act, the notice calling the General Shareholders' Meeting must clearly state the items that might be amended, and note that all the shareholders are entitled to analyze the full text of the proposed amendment and the report on such amendment at the registered offices, as well as to request such documents to be delivered or sent to them free of charge.

Pursuant to section 291 of the Companies Act, when new obligations are established for the shareholders due to an amendment of the Bylaws, the resolution must be passed with the approval of the affected shareholders. Furthermore, if the amendment directly or indirectly affects a type of shares, or part of them, the provisions of section 293 of such Act shall apply.

The procedure for voting on proposed resolutions at the General Shareholders' Meeting is regulated in section 197 bis of the Companies Act and in the internal regulations of Telefónica (in particular, article 23 of the Regulations for the General Shareholders' Meeting). This article states, among other things, that when amendments are made to the Bylaws, each article or group of articles which is materially different will be voted on separately.

Corporate Website

Telefónica complies with applicable legislation and best practices in terms of the content of its website concerning Corporate Governance. In this respect, it fulfills both the technical requirements for access to and content of the Company website, including information on General Shareholders' Meetings, through direct access from the homepage of Telefónica, S.A. (www.telefonica.com) in the "Shareholders and Investors" section (<https://www.telefonica.com/en/shareholders-investors/>), which includes not only all of the information that is legally required but also information that the Company considers to be of interest.

4.3.2. Dialogue with the Shareholders

The Regulations for the General Shareholders' Meeting and the Regulations of the Board of Directors of Telefónica devote several of their sections to governing the channels whereby relations between the Board of Directors and the shareholders of the Company (both individual shareholders and institutional shareholders and investors) are established in order to thereby ensure the greatest possible transparency in such relations. It is further expressly provided that the Board of Directors undertakes to guarantee equal treatment in its relations with the shareholders. The purpose of the Company's actions in this area, based on the paramount standard of transparency, is the distribution of all public information generated by the Company, making it accessible to all its shareholders simultaneously and in a non-discriminatory manner, complying with their need for information and ensuring that published information satisfies the standards of quality, clarity and truthfulness.

In addition, and within this context, the Board of Directors of the Company, at its meeting held on November 25, 2015, approved the Policy on Information, Communication and Contacts with Shareholders, Institutional Investors and Proxy Advisors, the second and third edition of which was also approved by the Board at its meetings of November 4, 2019 and December 16, 2020, respectively, to include new developments and the latest trends on the matter. In the latest edition of December 16, 2020, the name of said Policy was changed to Disclosure, Contact and Engagement Policy of Telefónica, S.A. for shareholders, institutional investors and proxy advisors.

In connection therewith, and as provided in such Policy, the Board of Directors of Telefónica is the body responsible for establishing and supervising appropriate mechanisms of communication and relationship with shareholders, institutional investors and proxy advisors that fully respect the rules prohibiting market abuse and that provide similar treatment to shareholders in the same position.

Thus, the Board of Directors, acting through its corresponding decision-making bodies, endeavors to

defend, protect and facilitate the exercise of the rights of shareholders, institutional investors and the markets in general and, in particular, their right to information, within the framework of protecting the corporate interest, which is understood as the achievement of a profitable and sustainable business over the long-term, which fosters its continuity and the maximization of the economic value of the company, all in accordance with the following principles:

- a) Transparency, truthfulness, immediacy, equality and symmetry in the diffusion of economic/financial, non-financial and corporate information by dissemination thereof through the reporting and communication channels provided in this Policy, which contribute to maximizing the dissemination and quality of information available to the market, to investors and to other stakeholders.
- b) Published information shall be clearly written and must be true, complete in all material respects and comply with all applicable legal requirements, such that it reasonably provides a true and fair view of the financial and nonfinancial position, the profits/losses and the business of the Company in all material respects.
- c) Information shall be subjected to an internal control system of a Coordination and Control Committee, and to supervision by the Internal Audit directorate, the Audit and Control Committee, the Board of Directors and the External Auditor.
- d) Encouraging the engagement within the Company of shareholders and institutional investors, particularly by providing access to information relevant to the exercise by shareholders of their rights, mainly the rights to attend and vote at the General Meeting.
- e) Development of information disclosure tools that take advantage of new technology in order to communicate rapidly and effectively using economical means.
- f) Compliance with applicable law, particularly the Market Abuse Regulation, and the internal rules of the Company, especially the Internal Code of Conduct for Securities Markets Issues.

Telefónica disseminates to the market and communicates to its shareholders and institutional investors and to its other stakeholder groups, its information through various channels:

Communications to the National Securities Market Commission (Comisión Nacional del Mercado de Valores) (CNMV) and other international official bodies.

The Company sends to the CNMV all information that under applicable law is classified as privileged or material, periodic financial and non-financial information, and corporate information as required by law.

Likewise, the Company delivers each and every one of the communications that it has filed for these purposes with the CNMV to other foreign supervisory authorities and bodies in all markets on which its shares are admitted to listing. Information sent to the CNMV is immediately disseminated on the CNMV's website and is subsequently published on the Company's website.

Within this context, Telefónica mainly publishes the following financial, non-financial and corporate information: i) Communications of Inside Information and Other Relevant Information (ORI); ii) Quarterly results information; iii) Semi-annual results information; iv) Annual Information (Annual Financial Statements and Management Report, which includes the Statement of Non-financial Information, the Annual Corporate Governance Report and the Annual Report on Directors' Remuneration, together with the External Auditor's Report); v) the Annual Corporate Governance Report; vi) the Annual Report on Directors' Remuneration; and vii) Annual Informational Reports (including the Universal Registration Document filed on an annual basis with the CNMV, or the 20-F report, filed with the Securities and Exchange Commission (SEC) in the United States).

Corporate website of Telefónica.

Access routes to the Shareholders and Investors and "Shareholders' Area" tabs of the corporate website are the following:

<https://www.telefonica.com/en/shareholders-investors/>

<https://www.telefonica.com/en/shareholders-area/>

In compliance with applicable legal provisions, the Company has a corporate website (www.telefonica.com), which is an official channel of communication to allow for the exercise by shareholders of the right to obtain information and to disseminate information of interest to investors and other stakeholders, favoring transparency, immediacy and the subsequent access to information. The information is published simultaneously in Spanish and English, with the Spanish version taking precedence in the event of any inconsistency.

Telefónica's corporate website also provides access to the following information: i) General information regarding the Company; ii) economic/financial and non-financial information; iii) Inside Information Communications and Other Relevant Information issued by the Company; iv) Share information; v) information on corporate governance; and vi) specific information for shareholders (Shareholders' Corner) focused solely on minority shareholders.

In particular, the presentations of annual, semi-annual and quarterly results, as well as other types of significant institutional or economic/financial presentations, are published through Telefónica's corporate website.

Telefónica also streams webcasts and conference calls regarding presentations of quarterly results and other significant communications for the market, allowing access to shareholders, analysts and any other persons who so desire. Virtual events are also held for minority shareholders, which are hosted on the Zona-Shareholders website.

All documents required by applicable legal provisions regarding the call to and holding of General Shareholders' Meetings are also published on the corporate website, which promotes informed participation and the exercise of the rights to information and participation.

General Shareholders' Meeting.

As already mentioned in preceding paragraphs, the Board of Directors encourages informed and responsible participation by the shareholders at the General Shareholders' Meeting, and adopts such measures and guarantees as may be appropriate to ensure that the shareholders at the General Shareholders' Meeting effectively perform their duties under the law and the Company's corporate governance principles.

In addition, from the call to the General Shareholders' Meeting, the shareholders can access the Office of the Shareholder, in order to resolve questions that might be raised and respond to and inform those persons who wish to take the floor.

The Office of the General Secretary of the Company, with the support of the Investor Relations, People and Sustainability Area, is responsible for maintaining ongoing contact and dialogue with proxy advisors, answering their questions regarding proposed resolutions submitted at the General Shareholders' Meeting and providing the clarifications they deem to be required, so that their voting recommendations can be based on a real understanding of the Company and its situation.

Likewise, Telefónica must also monitor the policies and recommendations of such proxy advisers, as well as international developments and trends in corporate governance, and evaluate the recommendations and principles issued by proxy advisers in relation to corporate governance standards, taking into account the particular circumstances of the Company and its environment and, in any event, the legal provisions that may apply to the Company.

Relationships with shareholders, institutional investors and financial analysts

The Disclosure, Contact and Engagement Policy of Telefónica, S.A. for Shareholders, Institutional investors and Proxy advisors requires the Company to inform, communicate with and respond appropriately to its shareholders and investors with transparency, truthfulness, immediacy, equality and symmetry in the dissemination of information. Telefónica communicates

directly with its shareholders, institutional investors and financial analysts through the Investor Relations area.

This area, which includes the Office of the Shareholder, is in charge of and responsible for this communication, and therefore, any contact with shareholders, institutional investors or financial analysts must be channeled through it, and it will validate and coordinate any communication that it makes, whether verbal or written, requesting the participation of other areas of the Telefónica Group whose purview covers the issues for which the consultation is made, such as the Office of the General Secretary, People or Sustainability. Furthermore, the Group's Investor Relations department will coordinate communication by the various subsidiaries with the market in order to ensure that it is proper, consistent and coherent at all times.

a) Investor Relations

In charge of continuously responding to questions and suggestions made by institutional investors and financial analysts on an individualized basis through

An e-mail address (ir@telefonica.com).

A telephone number (+3491 4828700) and a mailing address (Distrito Telefónica - Edificio Central Pl. 2^a C/ Ronda de la Comunicación s/n 28050 Madrid).

In addition, to provide detailed reports on the evolution, strategy and results of the Company and to answer questions from analysts and institutional investors, informational meetings and roadshows are organized at the main financial centers worldwide. These meetings are held by both Investor Relations and Telefónica's management team, which are virtual when required, as for example in the context of the situation generated by the COVID-19.

During 2021, contact was maintained with 600 institutional investors virtually, with a total of 13 virtual roadshows being held, two of them being face-to-face in London and Paris in November.

Attendance at forums and conferences in the telecommunications sector or generally in Europe/Latin America and in Environmental, Social and Governance matters (ESG), is also a natural channel for Telefónica's communication with institutional investors. Thus, during 2021, Telefónica has been present at 18 sectoral or general conferences organized by bank.

There are also presentations to and meetings with analysts and institutional investors that delve into strategic issues of the Company, which supplement the published information and may be necessary or appropriate to facilitate communication and the long-term creation of value.

Within this context and for some years now, Telefónica has an Engagement Program with the Company's main investors, informing them transparently and on an ongoing basis of, among other things, business strategy, financial performance, corporate governance (composition of the Board of Directors and Good Governance practices), remuneration and sustainability. In addition to Investor Relations, other areas of the Telefónica Group responsible for matters concerning which queries are received, such as the Office of the General Secretary, People or Sustainability, also participate in this program. The Company is committed to the main investors in ESG, and regularly makes telephone calls, roadshows and holds face-to-face meetings in London, Paris and USA, or in virtual format if necessary, as for example within the framework of the COVID-19 situation.

All these measures are used to coordinate and manage communication with the market in order to ensure that it is appropriate, consistent and coherent at all times.

Communication with institutional investors, analysts and shareholders may not take place during the periods prior to publication of the results of the Group or of subsidiaries that are subject to securities market rules.

b) Office of the Shareholder

Through the Office of the Shareholder, Telefónica ensures transparent, agile and fluid communications with its shareholders, providing the same information in time and form as that provided to institutional shareholders.

The Company distributes to all of them a communication service consisting of the sending of e-mails with information of interest regarding the Company, significant events (hechos relevantes), news, quarterly results (videos, images, etc.), a monthly newsletter, the Acción Telefónica magazine, stock market information, etc. to encourage transparency and communication between the Company and its shareholders. This type of information is sent to shareholders who request this service and is available for viewing and or downloading at the Shareholders' Corner (www.telefonica.com/zona-accionistas).

The Office of the Shareholder also holds periodic meetings with shareholders in the various Spanish provinces with the largest number of shareholders, reporting on the Company's strategy and the latest published results, thereby offering personalized service to shareholders and meeting the requirements of transparency in offering the same information to individual and institutional shareholders. Two-way communication is established between the Company and its shareholders at these meetings, where there can be an exchange of viewpoints. During 2021, these meetings have been held virtually. The virtual meetings are hosted on the Zona-Shareholders website for viewing.

An annual meeting of the Telefónica management team with shareholders is also held, which, if necessary, as occurred in 2021 in the context of the situation generated by COVID-19, is held virtually.

Personal communication is maintained with the shareholders throughout the year, by telephone, electronic, postal and virtual means, and especially upon the presentation of results and on occasion of the principal communications of privileged or significant information, such as distribution of dividends, calls to General Shareholders' Meetings, corporate transactions, etc.

Furthermore, in order to improve dialogue between the Company and its shareholders, there may be periodic Informational Meetings in which the shareholders participate upon established terms in order to discuss current issues regarding the Telefónica Group that are considered to be of particular interest for this group. These issues can cover regulatory developments in the area of listed companies, aspects relating to the performance of the business or other issues.

The Company publishes the quarterly magazine "Acción Telefónica," with financial information that includes an explanatory summary of periodic public information of a financial and operational nature, interviews on current events and exclusive campaigns that can be accessed. It is available in digital format in the Shareholders' Corner and may also be viewed on IOS and Android devices by installing the respective app.

The Company also distributes to its shareholders a monthly newsletter with stock market information, new developments, technological advances, news, videos, offers, promotions, cultural visits, upcoming events, sponsorships, recognitions, etc.

Upon the holding of the General Shareholders' Meeting, the channels of communication with shareholders are expanded to facilitate their participation therein. The Office of the Shareholder can be contacted directly through a form within a specific microsite for the Meeting. Shareholders can use this medium to ask questions relating to items on the agenda, the delivery of documentation relating thereto, and the procedure for participating in the General Shareholders' Meeting, either in person or by proxy, with a section of frequently asked questions and a virtual assistant to facilitate information and an explanatory video of participation in the Meeting, as well as information on the communication channels with the Shareholders' Office: free telephone and email.

The channels for contacting Telefónica's Office of the Shareholder are:

A toll-free information number (900 111 004) open from 9:00 a.m. to 7:00 p.m., Monday to Friday, except national holidays. This call center is staffed by qualified personnel specializing in the economic/financial field. Information is provided regarding communications of privileged or significant information made by the Company, including the dividend policy, results and corporate transactions, among other things.

An e-mail address (accionistas@telefonica.com) for responding to questions and suggestions from the Company's shareholders. This channel of communication is attended to in Spanish as well as in English.

A mailing address (Edificio Central Pl. 2^a Ronda de la Comunicación s/n Madrid 20850, Spain).

A special tab (Shareholders' Area) on the corporate website (www.telefonica.com/zona-accionistas).

Furthermore, throughout the year, the Office of the Shareholder collects and manages the suggestions and requests of the shareholders regarding other areas of the Telefónica Group, such as customer service, billing, sales, etc. and is thus a means for bringing the Company closer to the shareholders.

The engagement activities carried out in the year are indicated below:

- 6 virtual meetings and 19 telematic communications (Quarterly magazine, monthly Newsletter, Shareholders' Meeting communications and informative Call Center).
- 7,000 shareholders contacted.

Social Media

Telefónica's social media profiles (Twitter, LinkedIn, YouTube, Instagram, Facebook and Flickr, etc.) have become a channel for the communication of corporate, business, event and conference information.

In addition, and subject to securities market regulations on the communication of inside information, the Company may use social media to simultaneously communicate inside information as an additional or complementary channel to the CNMV, provided that the Company complies with the requirements of applicable legal provisions on the communication of inside information and other relevant information and with the other internal rules of the Company.

Mass Media

Based on the circumstances, the Company will consider the suitability of summoning the media for the presentation of its annual results, with the participation, when appropriate, of Telefónica's management team, in order to inform the media regarding the progress of the Company and its projects, always subject to the principles of non-disclosure of inside information and other relevant information that has not already been published and the equal treatment of shareholders.

4.3.3. Main Aspects of the 2021 Ordinary General Shareholders' Meeting

Attendance and celebration

As a consequence of the health crisis situation caused by COVID-19, in order to safeguard the general interests and

health of shareholders, employees and other persons involved in the preparation and holding of the General Meeting, and considering the provisions of Royal Decree-Law 34/2020 of November 17, on urgent measures to support business solvency and the energy sector, and on tax matters as amended by Royal Decree-Law 5/2021 of March 12, on extraordinary measures to support business solvency in response to the COVID-19 pandemic, the Ordinary General Meeting of Shareholders of April 23, 2021 was held exclusively by telematic means, i.e. without the physical or face-to-face attendance of shareholders, proxies or guests.

To this end, the Company set up mechanisms on the corporate website to enable shareholders (or their proxies) to remotely attend the Ordinary General Shareholders' Meeting.

Likewise, also in view of the situation generated by COVID-19, the Company agreed to extend the deadline for the exercise of the right to information prior to the Ordinary General Shareholders' Meeting, which could be exercised until 23:59 on the day prior to the scheduled date of the meeting.

Similarly, and as at the Ordinary General Shareholders' Meetings held in 2019 and 2020, the 2021 Shareholders' Meeting was broadcast live on Telefónica's corporate website, which enabled shareholders not present, investors and interested persons in general to be fully informed of the results and the matters discussed.

Quorum and attendance figures

At the 2021 Ordinary General Shareholders' meeting, the quorum was 56.90%, higher percentage than that obtained at 2020 General Meeting, whose quorum amounted to 54.54%.

Such quorum breaks down as follows:

Date of general meeting	Attendance data				
	% physically present	% present by proxy	% distance voting		
			Electronic voting	Other	Total
23/04/2021	0.09%	54.94%	0.22%	1.65%	56.90%
Of which, free float	0.03%	36.48%	0.22%	0.30%	37.03%

Outcomes of the votes

All the items on the Agenda were approved by a wide majority; the percentage of affirmative votes was 95.04% on average.

The following table summarizes the resolutions approved at the 2021 Ordinary General Shareholders' Meeting and the results of the votes:

Item of the Agenda	Summary of the resolution	Votes in favour	Votes Against	Abstentions	Result of the Voting
I.1	Approval of the 2020 Annual Accounts and of the Management Report.	3,025,009,902 (99.5410%)	3,858,383 (0.1270%)	10,089,987 (0.3320%)	Passed
I.2	Approval of the Non-Financial Information Statement.	3,025,269,814 (99.5496%)	2,855,088 (0.0939%)	10,833,370 (0.3565%)	Passed
I.3	Approval of the management of the Board of Directors.	3,010,016,051 (99.0476%)	15,727,057 (0.5175%)	13,215,164 (0.4349%)	Passed
II	Approval of the Proposed Allocation of the Profits/Losses.	3,009,204,086 (99.0209%)	21,084,284 (0.6938%)	8,669,902 (0.2853%)	Passed
III	Re-election of the Statutory Auditor for fiscal year 2021.	3,025,468,751 (99.5561%)	4,260,176 (0.1402%)	9,229,345 (0.3037%)	Passed
IV.1	Re-election of Mr. José María Álvarez-Pallete López as Executive Director.	2,572,115,030 (84.6381%)	457,516,934 (15.0551%)	9,326,308 (0.3069%)	Passed
IV.2	Re-election of Ms. Carmen García de Andrés as Independent Director.	2,958,594,322 (97.3555%)	31,450,522 (1.0349%)	48,913,428 (1.6095%)	Passed
IV.3	Re-election of Mr. Ignacio Moreno Martínez as Proprietary Director.	2,764,584,732 (90.9715%)	236,253,866 (7.7742%)	38,119,674 (1.2544%)	Passed
IV.4	Re-election of Mr. Francisco José Riberas Mera as Independent Director.	2,116,528,728 (69.6465%)	882,189,048 (29.0293%)	40,240,496 (1.3242%)	Passed
V.	Reduction of share capital through the cancellation of own shares.	3,010,625,486 (99.0677%)	19,228,642 (0.6327%)	9,104,144 (0.2996%)	Passed
VI.1	First scrip dividend resolution.	2,998,215,076 (98.6593%)	30,780,908 (1.0129 %)	9,962,288 (0.3278%)	Passed
VI.2	Second scrip dividend resolution.	3,000,247,765 (98.7262%)	28,835,393 (0.9489%)	9,875,114 (0.3250%)	Passed
VII.1	Amendment of the By-Laws to enable the General Shareholders' Meeting to be held exclusively by telematic means.	2,912,853,943 (95.8504%)	117,892,049 (3.8794%)	8,212,280 (0.2702%)	Passed
VII.2	Amendment of the By-Laws to expressly regulate the possibility of granting proxies and casting votes prior to the General Shareholders' Meeting by telephone.	3,019,772,545 (99.3687%)	9,641,448 (0.3173%)	9,544,279 (0.3141%)	Passed
VIII.1	Amendment of the Regulations for the General Shareholders' Meeting to enable the General Shareholders' Meeting to be held exclusively by telematic means.	2,912,383,056 (95.8349%)	117,959,797 (3.8816%)	8,615,419 (0.2835%)	Passed
VIII.2	Amendment of the Regulations for the General Shareholders' Meeting to expressly regulate the possibility of granting proxies and casting votes prior to the General Shareholders' Meeting by telephone.	3,019,446,232 (99.3579%)	9,591,097 (0.3156%)	9,920,943 (0.3265%)	Passed
IX.	Approval of the Director Remuneration Policy.	2,703,731,751 (88.9690%)	200,872,849 (6.6099%)	134,353,672 (4.4210%)	Passed
X.	Approval of a Long-Term Incentive Plan consisting of the delivery of shares of Telefónica, S.A. allocated to Senior Executive Officers of the Telefónica Group.	2,954,898,184 (97.2339%)	46,959,990 (1.5453%)	37,100,098 (1.2208%)	Passed
XI.	Delegation of powers to formalize, interpret, rectify and carry out the resolutions adopted by the shareholders at the General Shareholders' Meeting.	3,024,105,867 (99.5113%)	4,827,481 (0.1589%)	10,024,924 (0.3299%)	Passed
XII.	Consultative vote on the 2020 Annual Report on Director Remuneration.	2,699,923,154 (88.8437%)	230,627,308 (7.5890%)	108,407,810 (3.5673%)	Passed

The full texts of the resolutions adopted by the General Shareholders' Meeting held on April 23, 2021 may be viewed on the Company's corporate website and on the CNMV website (Other Relevant Information sent on April 23, 2021).

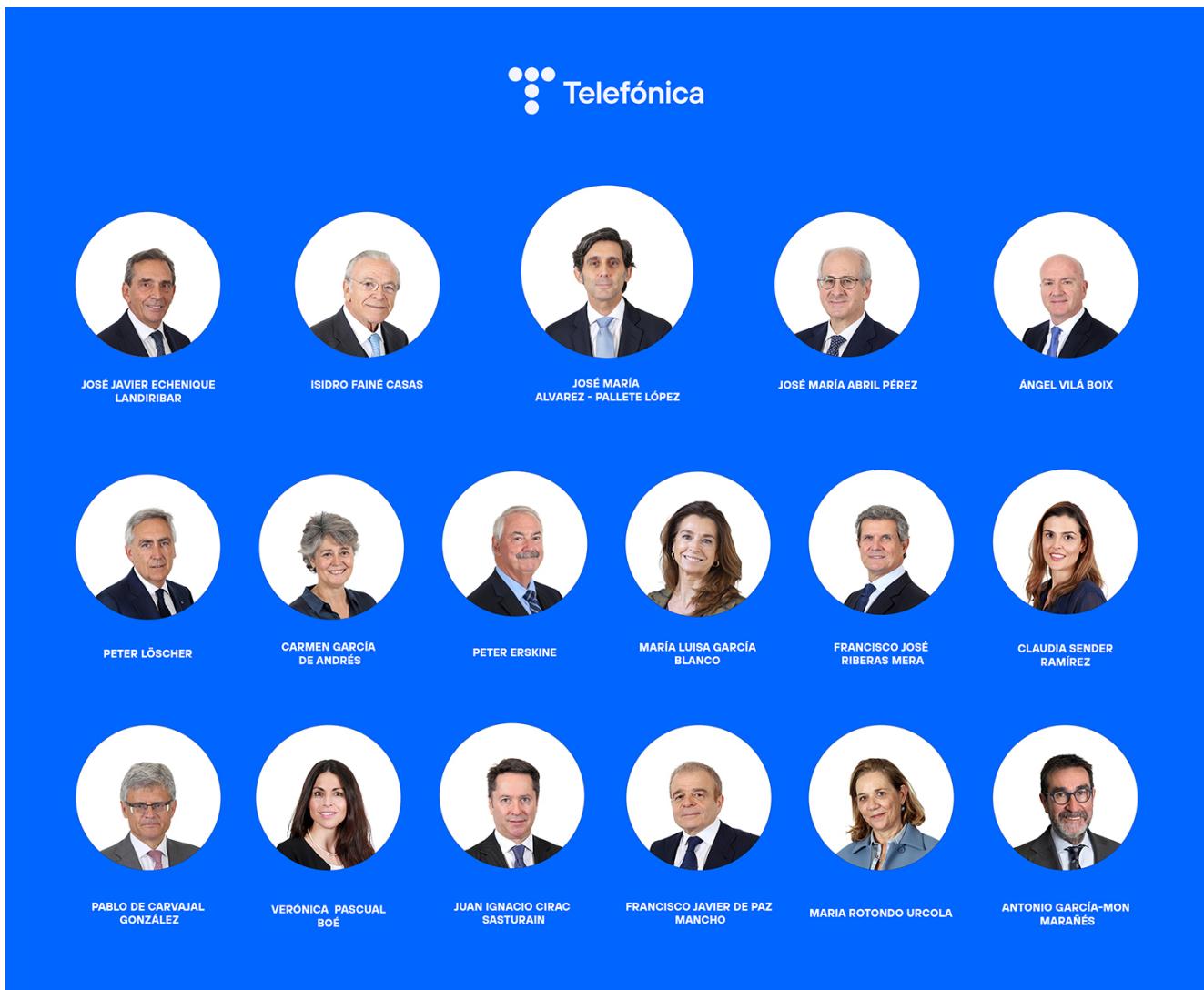
Communication with shareholders

During 2021 and especially on the occasion of the Ordinary General Shareholders' Meeting, Telefónica continued to strengthen communications, service and relationships with its shareholders and investors:

- Call Center (900-111-004 Shareholder Call Center)
 - 26,563 queries responded to during 2021.
 - 8,586 queries during the period of the General Shareholder' Meeting.
- Shareholders' Mailbox:
 - 20,100 e-mails responded to during 2021.
 - 7,171 e-mails during the period of the General Shareholders' Meeting.

4.4. The organisational structure of the administrative bodies

4.4.1. Board of Directors GRI 102-18, 102-22, 102-24, 102-28



Structure of the Board of Directors (size, composition, diversity, procedure for selecting Directors)

Size

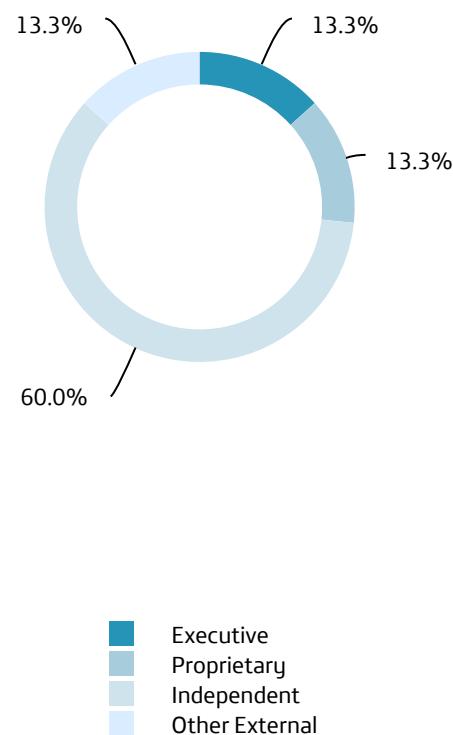
As of December 31, 2021, and on the date of issuance of this Report, the Board of Directors was and is composed of 15 members, whose profiles and professional career appear in Section related to "Professional career of the members of the Board of Directors".

As previously mentioned, the Board of Directors, in its meeting held on December 15, 2021, prior a favourable report by the Nominating, Compensation and Corporate Governance Committee, formally acknowledged and placed on record the voluntary resignation tendered by Mr Ignacio Moreno Martínez and Mr Jordi Gual Solé from their posts as Proprietary Directors of Telefónica, S.A. and, consequently, from all their posts on the Board of Directors and the Committees of the Board, in order to enable the Company to continue to evolve in the implementation of best practices and recommendations in the field of Corporate Governance with regard to the number and composition of its Board of Directors.

Following the voluntary resignation of Mr Moreno and Mr Gual, the number of members of the Company's Board of Directors has been reduced from 17 to 15, in line with trends in Good Governance.

Likewise, it is important to bear in mind that the Board of Directors of the Company has six Committees (the Executive Commission and five Advisory Committees), thereby ensuring the active participation of all of its Directors.

Composition by category of Director



Executive Directors: 2/15

Independent Directors: 9/15

The independent Directors represent 60% of the Board of Directors, which complies with corporate governance recommendations, which require that the management body consist of a large majority of external Directors and that the number of independent Directors represent at least one-half of the total number of Directors. It should be noted that these recommendations have been expressly incorporated in the Regulations of the Board of Directors of the Company, as amended on December 16, 2020.

Proprietary Directors: 2/15

Other External Directors: 2/15

Mr. Peter Erskine and Mr. Francisco Javier de Paz Mancho are considered to be Other External Directors, for the following reasons:

Mr. Peter Erskine was appointed a Director of Telefónica, S.A. in 2006, such that, 12 years after his appointment, and in accordance with the provisions of section 529 duodecies of the Companies Act, in 2018

he was reclassified from Independent Director to Other External Director.

Similarly, Mr. Francisco Javier de Paz Mancho was appointed a Director of Telefónica, S.A. in 2007, such that, 12 years after his appointment, and in accordance with the provisions of section 529 duodecies of the Companies Act, in 2019 he was reclassified from Independent Director to Other External Director.

Diversity

Telefónica S.A. has a Director Selection Policy as of November 25, 2015. This Policy was updated i) on December 13, 2017 to include the Diversity Policy applicable to the Board of Directors and, consequently, was renamed the Diversity Policy in relation to the Telefónica, S.A. Board of Directors and the Selection of Directors, and ii) on December 16, 2020, in order to adapt this Policy to the applicable regulations and, specifically, to the Recommendations of the Good Governance Code of the National Securities Market Commission (CNMV), which was partially reformed in June 2020.

This Policy ensures that the procedures for selecting Directors are based on a prior analysis of the skills required by the Board of Directors, and favors thereof diversity of knowledge, training and professional experience, age, disability and gender on the Board, free from any implicit bias that might imply any form of discrimination, particularly on account of gender, disability or any other personal condition, and that facilitate the selection of female Directors in a number that allows the achievement of an equal balance of women and men.

In accordance with the provisions of said Policy, the selection of candidates to serve as a Director at Telefónica adheres to the following principles:

1. An effort is made to ensure that the Board of Directors has a balanced composition, with a large majority of non-Executive Directors and an appropriate mix of Proprietary and Independent Directors, while also endeavoring to ensure that Independent Directors have sufficient weight within the Board of Directors.

2. The Board of Directors endeavors to ensure that the procedures for the selection of Directors favor diversity of knowledge, training, professional experience, age and gender, and are free from any implicit biases that might imply any form of discrimination. All of the foregoing is in order for the Board of Directors to have an appropriate, diverse and balanced composition overall, which i) enriches analysis and debate, ii) contributes multiple viewpoints and positions, iii) favors decision-making taking into account the nature and complexity of the business, as well as the social and environmental context, iv) gives it maximum independence, and v) allows for compliance with legal requirements and good governance recommendations in relation to composition and suitability required to be met by the members of the

various internal oversight Committees of the Board of Directors.

In particular, the Company's Board of Directors promotes the aim of inclusion of female Directors, as well as measures that promote the Company having a significant number of female senior executive officers based on good governance recommendations, all without prejudice to the key principles of merit and ability that must govern all of the Company's staff selection processes.

The Board of Directors regularly evaluates the degree of compliance and effectiveness of this Policy and, in particular, the percentage of female directors at any given time.

In particular, and on the occasion of the proposal for re-election, ratification and appointment of the members of the Board of Directors submitted to the 2021 Ordinary General Shareholders' Meeting, both the Nominating, Compensation and Corporate Governance Committee and the Board of Directors verified compliance with the Policy, taking into account, among other issues, diversity of knowledge, training, experience and age.

3. The process for the selection of candidates to serve as Directors is also based on a prior analysis of the skills required by the Board of Directors. Such analysis is conducted by the Company's Board of Directors, with the advice and with the required report or proposal, if applicable, of the Nominating, Compensation and Corporate Governance Committee.

4. In the case of re-election or ratification, the report or proposal of the Nominating, Compensation and Corporate Governance Committee contains an evaluation of the work and effective dedication to the position for the most recent period of time during which the proposed Director has been in that position, as well as the Director's ability to continue to perform satisfactorily.

5. The required report or proposal of the Nominating, Compensation and Corporate Governance Committee is published upon the call to the General Shareholders' Meeting at which the ratification, appointment or re-election of each Director is submitted.

Furthermore, the Board of Directors and the Nominating, Compensation and Corporate Governance Committee ensure, within the scope of their respective powers, that the candidates chosen for the position of Director are persons of recognized probity, competence and experience, who are willing to devote the time and effort required for the performance of their duties, exercising rigorous care in the selection of the persons called upon to serve as Independent Directors.

Accordingly, all the candidates for the position of Director shall be professionals of integrity, whose conduct and professional career is in line with Telefónica's Responsible Business Principles.

Additionally, candidates for Director shall be considered in particular if they have professional experience, in telecommunications, technology, consumer awareness, ESG knowledge, marketing, accounting, auditing, risk management (both financial and non-financial) and international experience and team leadership in multinationals will be valued.

On the other hand, with regard to gender diversity, the Company has purposely sought out women who fit the required professional profile. In this regard, in terms of the percentage of female Directors with respect to the total number of members of the Board of Directors, section 4.1.3 of this Report shows the qualitative leap that the Company has made in this area, having gone from 11.11% in 2016 to 33.33% in 2021.

All of the measures and procedures that have been agreed upon and adopted by the Board of Directors and by the Nominating, Compensation and Corporate Governance Committee in order to include on the Board a number of females that enables a balanced presence of women and men, and to prevent the selection procedures from being affected by any implicit bias that would hinder the appointment of female Directors, have been initiated and implemented by the Company.

Thus, in the change in the composition of the Company's Board of Directors that was implemented in 2016, at the proposal of the Nominating, Compensation and Corporate Governance Committee, the Board of Directors unanimously appointed Ms. Sabina Fluxà Thienemann as an Independent Director of Telefónica. This appointment was ratified by the shareholders at the Ordinary General Shareholders' Meeting of Telefónica held on May 12, 2016.

Similarly, in the change in the composition of the Company's Board of Directors that was implemented in 2017, at the proposal of the Nominating, Compensation and Corporate Governance Committee, the Board of Directors unanimously appointed Ms. Carmen García de Andrés as an Independent Director of Telefónica. This appointment was ratified by the shareholders at the Ordinary General Shareholders' Meeting of Telefónica held on June 9, 2017.

Likewise, in 2018 the Company's Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, unanimously appointed Ms. María Luisa García Blanco as an Independent Director of Telefónica. This appointment was ratified by the shareholders at the Ordinary General Shareholders' Meeting of Telefónica held on June 8, 2018.

On the other hand, in 2019 the Company's Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, unanimously appointed Ms. Claudia Sender Ramírez and Ms. Verónica Pascual Boé as Independent Directors of Telefónica. These appointments were ratified by the Ordinary General Shareholders' Meeting of Telefónica

held on June 12, 2020, at which both were appointed as Directors for the statutory term of 4 years.

Finally, in the current financial year 2021, the Board of Directors unanimously appointed, at the proposal of the Nominating, Compensation and Corporate Governance Committee, Ms. María Rotondo Urcola as an independent Director of Telefónica. This appointment is expected to be submitted for ratification at the next Ordinary General Shareholders' Meeting of Telefónica.

It should also be noted that the same criteria and principles that the Company applies to the process of selecting and appointing the members of the Board of Directors are applied to the appointment of the Directors who are part of the various Committees of the Company's Board of Directors, as well as, with regard to gender diversity, the appointment of female senior executive, all without prejudice to the key principles of merit and ability that must govern all of the Company's staff selection processes.

In this regard, in 2021 the Nominating, Compensation and Corporate Governance Committee verified compliance with the Diversity Policy in relation to the Board of Directors of Telefónica, S.A. and the selection of Directors on the occasion of the appointment of Ms María Rotondo Urcola as Director and the appointment of the members of the Committees of the Board of Directors. Likewise, compliance with the aforementioned Policy was verified on the occasion of the proposal for re-election and appointment of Directors submitted and approved by the Ordinary General Shareholders' Meeting of April 23, 2021.

On the occasion of the proposed re-election and appointment of the members of the Board of Directors, information was provided to shareholders on the diversity criteria and objectives in the reports prepared by the Board of Directors and the Nominating, Compensation and Corporate Governance Committee.

Last, with regard to performance evaluation, the Board of Directors conducts an annual evaluation of its operation and of that of its Committees, assessing in particular the application, in terms of the composition and competencies of the Board of Directors, of the various aspects of diversity included in the aforementioned Policy, as well as the performance of the Chairman of the Board of Directors, of the Company's Chief Executive Officer and of the various Directors, paying special attention to the heads of the various Board Committees and adopting appropriate measures for their improvement. This assessment is carried out every 3 years with the assistance of an external consultant, whose independence is verified by the Nominating, Compensation and Corporate Governance Committee. In this regard, as indicated at the end of this section under the title "Evaluation of the Board and of its Committees", for the evaluation corresponding to the financial year 2020, the Company has been supported by Egon Zehnder as external advisor.

The Diversity Policy in relation to the Telefónica, S.A. Board of Directors and the Selection of Directors is public and may be viewed on the corporate website (www.telefonica.com).

Procedure for the Selection, Appointment, Re-election and Cessation of Directors

Selection and Appointment

As mentioned earlier, Telefónica's Bylaws provide that the Board of Directors shall consist of a minimum of five and a maximum of twenty members, who shall be appointed by the shareholders at the General Meeting.

The Directors shall hold office for a maximum period of four years and may be re-elected one or more times for periods of the same maximum length. On a provisional basis, the Board of Directors, in accordance with the provisions of the Companies Act and of the Bylaws, may fill existing vacancies on an interim basis.

In this regard, it should be noted that on certain occasions, when it is indispensable because vacancies have occurred after the General Shareholders' Meeting was held, and in accordance with the provisions of the Companies Act, Directors are appointed on an interim basis, subject to ratification at the next General Shareholders' Meeting.

Otherwise, and in any event, the proposals for the appointment of Directors must comply with the provisions of the Bylaws and of the Regulations of the Board of Directors, must be preceded by the corresponding report of the Nominating, Compensation and Corporate Governance Committee and, in the case of Independent Directors, by the corresponding proposal. In any event, the proposals must be accompanied by a supporting report from the Board of Directors assessing the competence, experience and merits of the proposed candidate.

In this regard, and in accordance with the responsibilities assigned to the Nominating, Compensation and Corporate Governance Committee, this Committee must evaluate the skills, knowledge and experience required on the Board of Directors, defining the functions and competencies required of the candidates who must fill each vacancy, and evaluating the specific amount of time and dedication that will allow them to perform their duties effectively.

With regard to the latter, and in accordance with the provisions of Article 29.2 of the Regulations of the Board of Directors, those who are members of more than five Boards of Directors of other companies other than Telefónica, S.A. and its Group companies may not be appointed to the Company's Board. For these purposes, a) all Boards of Directors of companies that are part of the same Group shall be counted as a single board of directors; and b) those Boards of Directors of asset-holding companies or those that constitute vehicles or complements for the professional exercise of the Director

himself/herself, his/her spouse or person with a similar relationship, or his/her closest relatives, shall not be counted. As an exception, and for duly justified reasons, the Board of Directors may exempt the Director from this prohibition.

Similarly, Nominating, Compensation and Corporate Governance Committee must submit to the Board of Directors the proposals for the appointment of Independent Directors, whether for their appointment on an interim basis or for their submission to a decision by the shareholders at the General Shareholders' Meeting, along with the proposals for the re-election or separation of said Directors at the General Shareholders' Meeting. Likewise, it must report on the proposals for the appointment of the remaining Directors of the Company, whether for their appointment on an interim basis or for their submission to a decision by the shareholders at the General Shareholders' Meeting, along with the proposals for their re-election or separation at the General Shareholders' Meeting.

Similarly, it shall explain the category of each Director by the Board of Directors at the General Shareholders' Meeting at which the shareholders must make or ratify their appointment. Furthermore, such category shall be reviewed annually by the Board, after verification by the Nominating, Compensation and Corporate Governance Committee, and a summary of this review shall be included in the Annual Corporate Governance Report.

In any case, and in the event of the re-election or ratification of Directors at the General Meeting, the report of the Nominating, Compensation and Corporate Governance Committee or, in the case of Independent Directors, the proposal of said Committee, shall contain an assessment of the work and effective dedication to the position during the last period of time in which it was held by the proposed Director, as well as its ability to continue to do so.

The Board of Directors and the Nominating, Compensation and Corporate Governance Committee shall ensure, within the scope of their respective powers, that the candidates proposed for the position of Director are persons of recognized probity, competence and experience, who are willing to devote the time and effort required for the performance of their duties, exercising rigorous care in the selection of the persons called upon to serve as Independent Directors.

The Board of Directors must endeavor to ensure that the procedures for the selection of its members promote diversity with respect to issues such as age, gender, disability, knowledge, education and professional experience, and are free from any implicit bias that might imply any form of discrimination, and, in particular, facilitate the selection of female Directors in such numbers as to achieve a balanced presence of women and men.

In this regard, and as mentioned earlier, at its meeting of November 25, 2015 the Board of Directors approved a Policy for the Selection of Directors, which on December 13, 2017, was updated to include the Diversity Policy applicable to the Board of Directors, such that it was renamed the Diversity Policy in relation to the Telefónica, S.A. Board of Directors and the Selection of Board Members. Likewise, on December 16, 2020, the Board of Directors approved an update of this Policy to reflect the most recent regulatory standards and, in particular, to adjust it to the provisions of the Recommendations of the Good Governance Code of the National Market Securities Commission (CNMV) regarding diversity.

The Nominating, Compensation and Corporate Governance Committee shall verify, on an annual basis, compliance with the Policy for the diversity of the Board of Directors and selection of Directors, and shall include the corresponding summary in the Annual Corporate Governance Report and in such other documents as are deemed appropriate. In addition, the Board of Directors shall periodically evaluate the degree of compliance with and effectiveness of the Policy and, in particular, the percentage of female Directors at any given time, and a detailed description of the Policy, as well as the objectives set in this respect and the results obtained, shall be included in the Annual Corporate Governance Report. Likewise, the Nominating, Compensation and Corporate Governance Committee may also propose to the Board of Directors any updates and proposed improvements of the Policy it deems appropriate.

Re-election

The Company's Directors may be re-elected one or more times for periods of the same length as that of the initial period.

In the same way as proposals for appointments, proposals for the re-election of Directors must be preceded by the corresponding report of the Nominating, Compensation and Corporate Governance Committee, and, in the case of Independent Directors, by the corresponding proposal.

Cessation or Removal

Directors shall cease to hold office when the time period for which they were appointed expires, or when so decided by the shareholders at the General Meeting in the exercise of the powers legally granted to them.

When a Director ceases to hold office before the end of his or her term, whether by resignation or by resolution of the General Meeting, the Director must adequately explain in a letter which will be sent to all members of the Board of Directors the reasons for leaving office or, in the case of non-executive Directors, the Director's views as to the grounds for removal by the shareholders acting at the General Meeting.

In addition, to the extent material to investors, the Company shall as soon as possible make public the

cessation in office, including sufficient information as to the reasons or circumstances stated by the Director.

The Board of Directors shall not propose the removal of any Independent Director prior to the end of the bylaw-mandated period for which the said Director was appointed, unless due grounds therefor are present, as acknowledged by the Board at the proposal of the Nominating, Compensation and Corporate Governance Committee. Specifically, due grounds shall be deemed to exist when the Director has failed to perform the duties inherent in his position.

The removal of Independent Directors may also be proposed as a result of Public Tender Offers, mergers or other similar corporate transactions that entail a change in the structure of the company's capital.

Likewise, in accordance with the provisions of article 12 of the Regulations of the Board of Directors, the Directors must tender their resignation to the Board of Directors and formalize, where appropriate, and depending on the circumstances, such resignation in the following cases:

- a. When they cease to hold the executive positions with which their appointment as Directors was associated, or when the reasons for their appointment no longer exist.
- b. When they are affected by any of the cases of incompatibility or prohibition provided by Law.
- c. When they are severely reprimanded by the Nominating, Compensation and Corporate Governance Committee for having failed to fulfill any of their obligations as Directors.

Likewise, Directors must inform when they are subject to circumstances, whether or not related to their conduct within the Company itself, that may adversely affect the standing or reputation thereof, and particularly when they are under investigation in any criminal matter, in which case the Directors must notify the Company of the progress of any such legal proceedings. Having been notified or otherwise become aware of any of the circumstances mentioned in this paragraph, the Board of Directors shall examine the case as soon as possible and, based on the specific circumstances, and after a report from the Nominating, Compensation and Corporate Governance Committee, shall determine the measures to be adopted, including the request for the resignation of said Director, which it must accept, or the proposal to resign at the next General Meeting. Any such matter shall be included in the Annual Corporate Governance Report unless special circumstances justify otherwise, which circumstances must be recorded in formal minutes. Those obligations shall be without prejudice to any information that the Company must disseminate at the time that any such measures are adopted.

In this regard, and in compliance with the provisions of the aforementioned Article 12.3 of the Board of Directors' Regulations, the Director Mr Isidro Fainé Casas notified

Telefónica of his procedural situation in relation to the Preliminary Proceedings of Summary Trial 96/2017, being processed before the Central Court of Instruction number 6 of the National High Court.

After a detailed analysis of the facts related to this matter, as well as of the report prepared for this purpose by the Appointments, Remunerations and Corporate Governance Committee, the Company's Board of Directors concluded that it was not appropriate to adopt any particular measure, since these events did not cause him to lose his honour and suitability, nor jeopardise the loyal and diligent exercise of his position as Director and Vice-Chairman of the Board of Directors of Telefónica, S.A., nor did it affect the credit or reputation of the Company.

Neither the Bylaws nor the Regulations of the Board establish any limit as to the age of the Directors.

Professional background of the members of the Board of Directors

**MR. JOSÉ MARÍA
ÁLVAREZ-PALLETE LÓPEZ**

Executive Chairman

Executive Director



Joined the Board in 2006.

Nationality: Spanish. Born in 1963 in Madrid, Spain.

Education: Degree in Economics from the Complutense University of Madrid and he also studied Economics at the Free University of Brussels, in Belgium. He holds an International Management Programme from IPADE an Advance Research Degree from the Complutense University of Madrid. Also holds an Advanced Studies Diploma of University Complutense Madrid.

Experience: He began his professional career at Arthur Young Auditors in 1987, before joining Benito & Monjardín/ Kidder, Peabody & Co. in 1988. In 1995 he joined the Compañía Valenciana de Cementos Portland (CEMEX) as head of the Investor Relations and Analysis Department. In 1996, he was promoted to Chief Financial Officer in Spain, and in 1998 to Chief Administration and Finance Officer of the CEMEX Group Indonesia and to a member of the Board of CEMEX Asia Ltd. In February 1999 he joined the Telefónica Group as Chief Financial Officer of Telefónica Internacional S.A.U., and in September of the same year he became Chief Financial Officer of Telefónica S.A. In July 2002, he was appointed Executive Chairman of Telefónica Internacional S.A.; in July 2006, General Manager of Telefónica Latinoamérica; and in March 2009 Chairman of Telefónica Latinoamérica. In September 2011 he was named Executive Chairman of Telefónica Europe, and in September 2012 he was appointed Chief Operating Officer of Telefónica S.A.

He is member of the Board of Telefónica S.A., since July 2006 and Chairman & CEO of Telefónica, S.A. since April 8, 2016.

Other relevant positions: He is currently Chairman of Fundación Telefónica (since February 2022), Trustee of Fundación Profuturo, member of the Advisory Council of SEAT, S.A., Director of VMED O2 UK Ltd, Chairman of the Board of the GSMA (since February 2022) and member of Board of Trustees of "la Caixa" Banking Foundation (since February 2022).

Board Committees of which he is a member: The Executive Commission (Chairman).

**MR. ISIDRO
FAINÉ CASAS**

Vice Chairman

Proprietary Director



Joined the Board in 1994.

Nationality: Spanish. Born in 1942 in Manresa, Spain.

Education: Doctorate in Economics from the Universidad de Barcelona; ISMP in Business Administration from Harvard University; and Diploma in Senior Management from the IESE. Academic Numerary of the Royal Academy of Economics and Finance and of the European Royal Academy of Doctors.

Experience: He began his professional career in banking as Director of Investments at Banco Atlántico in 1964. Later, in 1969, he joined the Banco de Asunción in Paraguay as its General Director. He then returned to Barcelona to hold various positions of responsibility in several financial organizations: Personnel Director of Banca Riva y García (1973); Director and General Director of Banca Jover (1974) and General Director of Banco Unión (1978). In 1982 he joined la Caixa as its Assistant General Director, holding various positions of responsibility. In April 1991 he was appointed Executive Deputy General Director, and in 1999, General Director of the company, whose presidency he assumed in June 2007, remaining until June 2014. He was the Chairman of CaixaBank, S.A. since 2011 until his resignation as a member of the Board of Directors in 2016. Likewise, he was President of Naturgy Energy Group, S.A. from September 2016 to February 2018, when he was named President Emeritus, and he was Director of Suez, S.A. since October 2014 until October 2020.

Other relevant positions: He is currently Chairman and Member of the Executive Commission of the Board of Trustees of Fundación Bancaria Caixa d'Estalvis i Pensions de Barcelona, la "Caixa", Chairman of the Board and of the Executive Commission of Criteria Caixa, S.A.U. and of Caixa Capital Risc SGEIC, S.A., Deputy-Chairman of the Board of Directors of Inmo Criteria Caixa, S.A.U.; Special Advisory of The Bank of East Asia Limited; Chairman of the Spanish Confederation of Savings Banks (CECA), and of the World Savings Bank Institute (WSBI) Vice-President of the European Savings Banks Group (ESBG); President of the Spanish Confederation of Senior Officers and Executives (CEDE) and of the Spanish Chapter of the Club of Rome, Deputy-Chairman of the Royal Academy of Economic and Financial Sciences and Founder of the Financial Circle; and member of the Boards of Trustees of the Prado National Museum and Carlos Slim Foundation.

Board Committees of which he is a member: The Executive Commission (Vice Chairman).

**MR. JOSÉ MARÍA
ABRIL PÉREZ**

Vice Chairman
Proprietary Director



Joined the Board in 2007.

Nationality: Spanish. Born in 1952 in Burgos, Spain.

Education: Degree in Economics from the Commercial University of Deusto, and a professor for nine years at said university.

Experience: Between 1975 and 1982 he was the Chief Financial Officer of Sociedad Anónima de Alimentación (SAAL). Thereafter, and until joining Grupo Banco Bilbao Vizcaya Argentaria, he held the position of Chief Financial Officer of Sancel-Scott Iberica. In 1985 he joined Banco Bilbao as Director of Corporate Banking Investment. Subsequently, from January to April 1993, he was the Executive Coordinator of Banco Español de Crédito, S.A. In 1998 he was appointed General Director of Grupo Industrial, and in 1999, a member of the Management Committee of Grupo BBV. He has been a Director, among other companies, at Repsol, Iberia and Corporación IBV, and Vice-President of Bolsas y Mercados Españoles (BME). In 2002 he was appointed General Director of Wholesale and Investment Banking and a Member of the Executive Committee of Banco Bilbao Vizcaya Argentaria, S.A.

Other relevant positions: He is currently Director of Arteche Lantegi Elekarte, S.A. and of Ibermática, S.A.

Board Committees of which he is a member: The Executive Commission (Vice Chairman) and the Strategy and Innovation Committee (Member).

**MR. JOSÉ JAVIER
ECHENIQUE LANDIRÍBAR**

**Vice Chairman and Lead
Independent Director**
Independent Director



Joined the Board in 2016.

Nationality: Spanish. Born in 1951 in Isaba (Navarre), Spain.

Education: Degree in Economics and Actuarial Sciences from the University of the Basque Country, and Professor of Quantitative Social Security Techniques at the Bilbao School of Economic Sciences of said university for several years.

Experience: He has been Director and General Manager of Allianz-Ercos, and General Manager of the BBVA Group (Head of Wholesale Business: Global Investment Banking, Global Corporate Banking, Business Banking, Administrative Banking, Local Credit Bank, Asset Management, Banking in Europe, Insurance and Estate Planning, E-Business, and the Industrial and Real Estate Group). He has also been a member of the Board of Directors of Banco Sabadell (Vice-Chairman) Repsol, S.A.; Celestics Holding, S.L.; Banco Guipuzcoano, S.A. (Chairman); Telefónica Móviles, S.A.; Pegaso PCS, S.A. de C.V. (México); Grupo Empresarial ENCE, S.A.; Sevillana de Electricidad, S.A.; Acesa; Hidroeléctrica del Cantábrico; Corporación IBV; Metrovacesa; Corporación Patricio Echeverría; Grupo BBVA Seguros; Grupo Edhardt; Uralita; Grupo Porres (Mexico), and Abertis Infraestructuras, S.A.

Other relevant positions: He is currently member of the Board of Directors of ACS Actividades de Construcción y Servicios, S.A.; ACS Servicios, Comunicaciones y Energía, S.L.; and Grupo Calcinor. He is also Trustee of Fundación Novia Salcedo, a Director of the Advisory Council of the Deusto Business School, a member of the Círculo de Empresarios Vascos and of the McKinsey Advisory Council.

Positions in other companies within the Telefónica Group (no executive duties): He is Director of Telefónica Audiovisual Digital, S.L.U. In addition, he is member of the Advisory Board of Telefónica España.

Board Committees of which he is a member: The Executive Commission (Vice Chairman), the Nominating, Compensation and Corporate Governance Committee (Chairman), and the Audit and Control Committee (Member).

**MR. ÁNGEL
VILÁ BOIX**



Chief Operating Officer

Executive Director

Joined the Board in 2017.

Nationality: Spanish. Born in 1964 in Barcelona, Spain.

Education: Degree in Industrial Engineering from the Polytechnic University of Catalonia in Barcelona, and an MBA from Columbia Business School where he studied with a Fulbright La Caixa fellowship.

Experience: He joined Telefónica in 1997, assuming successively the positions of Controller of the Group, CFO of Telefónica Internacional, Director of Corporate Development and General Manager of Finance and Corporate Development. In 2015 he was appointed General Manager of Strategy and Finance. Before joining Telefónica, he developed his professional career at Citigroup, McKinsey & Co., Ferrovial and Planeta. In the financial sector, he was a member of the Board of Directors of Banco Bilbao Vizcaya Argentaria (BBVA) and of the Advisory Panel of Macquarie MEIF Infrastructure Funds.

In the TMT (Technology, Media and Telecom) sector, he was the President of Telefónica Contenidos, Vice-President of Telco S.p.A. (Italy) and a member of the Board of Endemol, Digital+, Atento, Telefónica Czech, CTC Chile, Indra SSI and Terra Lycos.

Other relevant positions: He is currently Trustee of Fundación Telefónica, and Director of VMED O2 UK Ltd.

Positions in other companies within the Telefónica Group (no executive duties): He is member of the Advisory Boards of Telefónica España and Telefónica Tech.

Board Committees of which he is a member: The Executive Commission (Member).

**MR. JUAN IGNACIO
CIRAC SASTURAIN**



Member

Independent Director

Joined the Board in 2016.

Nationality: Spanish. Born in 1965 in Manresa, Spain.

Education: Degree and doctorate in Physics from Universidad Complutense de Madrid. Areas of specialization: Quantum Optics, Quantum Computing and Communication.

Experience: In terms of his professional experience, he has been: Full Professor of the University, Department of Applied Physics, University of Castilla La Mancha (1991-1996) and Professor, Institut für Theoretische Physik, Leopold Franzens Universität Innsbruck (1996-2001). Likewise, among other activities, has served on advisory boards and scientific committees of several international research centers in the United States (Harvard, MIT), Asia (Tsinghua, Singapore) and Europe (Switzerland, Russia), as well as the La Caixa and BBVA Foundations. He has also been a member of the Editorial Board of several national and international Physics journals.

Other relevant positions: He is currently Co-Director of the Center for Quantum Sciences and Technologies in Munich (since 2019); Director of the Max Planck International School of Quantum Sciences and Technologies (since 2016); "Honorarprofessor", Technical University of Munich (since 2002); Director of the Theory Division, Max Planck Institut für Quantenoptik; member of the Max Planck Society (since 2001) and the Founder and Editor of the journal *Quantum Information and Computation* (since 2001).

Positions in other companies within the Telefónica Group (no executive duties): He is member of the Advisory Board of Telefónica Tech.

Board Committees of which he is a member: The Strategy and Innovation Committee (Member), the Sustainability and Quality Committee (Member), and the Regulation and Institutional Committee (Member).

MR. PETER ERSKINE



Member

Other External Director

Joined the Board in 2006.

Nationality: English. Born in 1951 in London, United Kingdom.

Education: Degree in Psychology from the University of Liverpool. Doctor *honoris causa* from the University of Reading.

Experience: He began his professional career in the marketing area at Polycell and at Colgate Palmolive. He worked for several years in the MARS Group before being appointed European Vice-President of Mars Electronics. In 1990 he was appointed Vice-President of Marketing and Sales at UNITEL. Between 1993 and 1998 he held several high-level positions in BT, including that of Director of BT Mobile and that of President and Chief Executive Officer of Concert. In 1998 he was appointed General Manager of BT Cellnet. Subsequently, in 2001, he was appointed director and Chief Executive Officer of O2, Plc. (now known as Telefónica Europe Plc.). In 2006 he became President of this company, serving until December 31, 2007, on which date he was appointed a Non-Executive Director. In January 2009 he joined the Board of Ladbrokes Plc. as a Non-Executive Director and was then appointed President in May 2009. In December 2015 he left that position, having played a leading role in the merger of Ladbrokes PLC with Gala Coral Group.

Other relevant positions: He is currently President of the BRAINSTORM charity, which focuses on funding brain tumor research. In addition, he is Director of VMED O2 UK Ltd.

Positions in other companies within the Telefónica Group (no executive duties): He has been member of the Supervisory Board of Telefónica Deutschland Holding AG. until December 31, 2021.

Board Committees of which he is a member: The Executive Commission (Member), the Strategy and Innovation Committee (Chairman) and the Nominating, Compensation and Corporate Governance Committee (Member).

MS. CARMEN GARCÍA DE ANDRÉS



Member

Independent Director

Joined the Board in 2017.

Nationality: Spanish. Born in 1962 in Madrid, Spain.

Education: Degree in Economics and Business Administration from Universidad Pontificia de Comillas, ICADE.

Experience: She joined PricewaterhouseCoopers in 1985 and was promoted to Director in 1995, becoming a partner of the firm in the year 2000. Since then, she has held several positions of responsibility at Landwell Lawyers and Tax Advisors, and in the Tax Law Area of PwC. Specializing in advising large companies, she has been a representative of the Spanish firm in the International Group of Indirect Taxation Specialists for more than 6 years. Since 1998 the scope of her work has consisted essentially of advising multinational companies established in Spain with strong international involvement. She has been a professor of International Taxation at ESADE and a member of the Spanish Association of Tax Consultants. From 2004 to 2007 she was a Managing Partner in the Major Consumption, Distribution, Industry and Services Group of Madrid, with more than 30 specialists in a variety of legal and tax-related fields. Between 2005 and 2007 she headed the Women in PwC diversity program. From 2013 to April 2017, she has been Chairman of the Youth Business Spain Foundation.

Other relevant positions: She is President of Fundación Tomillo. She is also a Director of Fundación Tomillo Tietar and a member of its Board of Trustees, as well as being a member of the Board of Trustees of the Youth Business Spain Foundation. Since June 2011 she has been a member of the Board of Directors of the Spanish Association of Foundations (AEF), currently serving as its Treasurer and Member of the Executive Committee. She is a member of the Board of Trustees of Fundación Secretariado Gitano, of Fundación Xavier de Salas, and a member of the Board of the Juntos por el Empleo collective initiative for the most disadvantaged. She was a co-founder of Fundación Aprendiendo a Ser and has been a trustee of the foundation since December 2018. Likewise, she collaborates as a mentor in professional development programs for women, such as the Lidera Program and MET (Women, Business and Technology) of the Instituto de Empresa, Promociona and Women to Watch.

Board Committees of which she is a member: The Audit and Control Committee (Member), the Sustainability and Quality Committee (Member), and the Regulation and Institutional Affairs Committee (Member).

**MS. MARÍA LUISA
GARCÍA BLANCO**

Member

Independent Director



Joined the Board in 2018.

Nationality: Spanish. Born in 1965 in Córdoba, Spain.

Education: Law degree from the University of Córdoba (Spain).

Experience: Government attorney (1992 promotion), on leave since October 2013. She was Assistant General Manager of Constitutional and Human Rights, and the government attorney heading the Department of Constitutional and Human Rights. Representative of the Kingdom of Spain to the European Court of Human Rights. Coordinator and leader of the Spanish Delegation to various United Nations Committees in Geneva (2002-2013). Other noteworthy activities include: Secretary of the Board of Directors of the State Society of Agricultural Infrastructures of the North (SEIASA DEL NORTE) and of its Audit and Control Committee (1999-2010); member of the Board of Directors of the State Society of Agricultural Infrastructures (SEIASA) (2010-2013); Director of the State Water Company of the North Basin (ACUANORTE) (2009-2012) and of the State Water Company of the Basins of Spain (AcuaEs) (2012-2013); and coordination and cooperation activities for the promotion and defense of Human Rights in Uruguay (2006), Colombia (2007 and 2008), Chile (2009), and Guatemala (2010).

Other relevant positions: Founding Partner of the firm of Salama García Blanco, whose major areas of activity include: administrative constitutional law, advising and providing technical protection for credit institutions, civil and commercial procedure, and arbitration (Arbitrator in the Spanish Court of Arbitration, in the Court of Arbitration of the Official Chamber of Commerce, Industry and Services of Madrid and in the Civil and Commercial Court of Arbitration -CIMA-).

Positions in other companies within the Telefónica Group (no executive duties): She is member of the Advisory Board of Telefónica España.

Board Committees of which she is a member: The Nominating, Compensation and Corporate Governance Committee (Member), the Sustainability and Quality Committee (Chairwoman), and the Regulation and Institutional Affairs Committee (Member).

**MR. PETER
LÖSCHER**

Member

Independent Director



Joined the Board in 2016.

Nationality: Austrian. Born in 1957 in Villach, Austria.

Education: Degree in Economics from the Vienna University of Economics, and in Business Administration from the Chinese University of Hong Kong. MBA from the Vienna University of Economics, and completion of the Harvard Business School Advanced Administration Program. Honorary doctorate in Engineering from Michigan State University; honorary doctorate from the Slovak University of Engineering in Bratislava.

Experience: Former Chairman of the Supervisory Board of OMV AG (Austria). From March 2014 to March 2016, he was the CEO of Renova Management AG (Switzerland). Former Chairman and CEO of Siemens AG. He was previously the President of Global Human Health; a member of the Executive Board of Merck & Co., Inc.; Chief Operating Officer of GE Healthcare Bio-Sciences, a member of the Corporate Executive Council of GE; and Director of Operations and a member of the Board of Amersham Plc. He held executive leadership positions at Aventis and Hoechst. He also served as Chairman of the Board of Directors of the Siemens Foundation.

Other relevant positions: He is currently Chairman of the Board of Directors of Sulzer AG, a member of the Supervisory Board of Royal Philips, a Director of Thyssen-Bornemisza Group AG (Switzerland), and a non-executive member of the Board of Directors of Doha Venture Capital LLC, in Qatar.

He is also an emeritus member of the Advisory Board of the Economic Development Board of Singapore and a member of the International Advisory Board of Bocconi University, as well as being an honorary professor at Tongji University (Shanghai).

Positions in other companies within the Telefónica Group (no executive duties): He is Chairman of the Supervisory Board of Telefónica Deutschland Holding AG (since April 2020).

Board Committees of which he is a member: The Executive Commission (Member), the Audit and Control Committee (Chairman), and the Nominating, Compensation and Corporate Governance Committee (Member).

**MS. VERÓNICA
PASCUAL BOÉ**

Member

Independent Director



Joined the Board in 2019.

Nationality: Spanish and French. Born in 1979 in Barcelona, Spain.

Education: Degree in Aeronautical Engineering from the Universidad Politécnica de Madrid. Master's degree in Business Administration (MBA) from the College des Ingénieurs de Paris, and Executive Master's degree in Positive Leadership and Strategy (EXMPLS) from the IE Business School. She also completed several postgraduate courses at INSEAD, Stanford and the Harvard Business School.

Experience: She began her professional career at the international level in the Human Resources Strategic Management Department of the Bouygues multinational industrial group. In 2004 she joined the family company ASTI, holding various management positions at that company (in Technical Management and Commercial Management). By the end of 2006 she was its General Manager, and in 2008 she opted to acquire said company. She had previously held a variety of positions, including, among others: Sponsor and Founder of the Digital Innovation Hub of Burgos, through ASTI de DIHBU (2018); President of the Grupo de Trabajo de Industria 4.0 of the Governing Authority of Castile and León (2016-2018); President of the Comisión de Industria 4.0 and Vice-President of Talent Development at AMETIC (2016-2018); Member of the Advisory Board of the Quality Agency of the University System (2015-2016) member of the Advisory Board of the EAE Business School (2015-2016); member of the Governing Board of APD Castile and León (2014-2015) member of the Board of Directors of Empresa Familiar Castilla y León (2001-2013).

Other relevant positions: She currently heads a group of companies linked to the digital transformation led by ASTI Mobile Robotics Group, a company based in Spain, France, Germany and the United States, dedicated to providing autonomous vehicle systems for the automation of industrial processes in sectors such as the automotive industry, food, cosmetics, pharmaceuticals and retail sales. She also Chairs the ASTI Tecnología y Talento Foundation and is also a Director of General de Alquiler de Maquinaria, S.A. (GAM).

Positions in other companies within the Telefónica Group (no executive duties): She is member of the Advisory Board of Telefónica Tech.

Board Committees of which she is a member: The Strategy and Innovation Committee (Member).

**MR. FRANCISCO JAVIER
DE PAZ MANCHO**

Member

Other External Director



Joined the Board in 2007.

Nationality: Spanish. Born in 1958 in Valladolid, Spain.

Education: Degree in Information and Advertising. Studied law. Senior Business Management Program at the IESE (University of Navarre).

Experience: From July 2016 to December 2021, he has been Chairman of Telefónica Ingeniería de Seguridad, S.A. From April 2018 to April 2021 he has been a member of the Board of Directors of Telefónica Móviles de Argentina, S.A. From July 2020 to May 2021 he has been a member of the Board of Directors of Pegaso PCS, S.A. of C.V. (Mexico). From September 2016 to July 2020, he was Director of the Board of Directors of Telefónica Móviles México, S.A. From September 2014 to March 2016 he was the Chairman of Telefónica Gestión de Servicios Compartidos España, S.A.U. From July 2006 to November 19, 2014 he was a member of the Executive Committee of the Superior Council of Chambers. From 2008 to May 10, 2018 he was a Director of Telefónica Argentina, S.A. From December 2008 to December 2012 he was the Chairman of Atento Inversiones y Teleservicios, S.A.U. From June 2004 to December 2007 he was the Chairman of the MERCASA National Company. He was also Deputy Chairman and Director of Corporate Strategy of the Grupo Panrico Donuts (1996-2004) General Manager of Internal Trade at the Ministry of Commerce and Tourism (1993-1996) General Secretary of the Consumers' Union of Spain (UCE); Chief Executive Officer of the magazine Ciudadano (1990-1993) General Secretary of Juventudes Socialistas; and a member of the Executive Board of the PSOE (1984-1993). He has also held the following positions and responsibilities: Director of Túnel del Cadí (2004-2006) President of the Pan y Bollería Marca Employers' Group (COE) (2003-2004); Director of Mutua de Accidentes de Zaragoza (MAZ) (1998-2004); Director of the Grupo Panrico (1998-2004); Head of the Commercial Distribution Monitoring Office of the Ministry of Commerce and Tourism (1994-1996); member of the Economic and Social Council and of its Standing Committee (1991-1993 and 1996-2000); and Director of Tabacalera, S.A. (1993-1996).

Positions in other companies within the Telefónica Group (no executive duties): He is Director of Telefónica Brasil, S.A. and of Telefónica Audiovisual Digital, S.L.U. He is also member of the Advisory Boards of Telefónica España and Telefónica Hispanoamérica.

Board Committees of which he is a member: The Executive Commission (Member), the Regulation and Institutional Committee (Chairman), the Nominating,

Compensation and Corporate Governance Committee
(Member), and the Sustainability and Quality Committee
(Member).

**MR. FRANCISCO JOSÉ
RIBERAS MERA**



Member

Independent Director

Joined the Board in 2017.

Nationality: Spanish. Born in 1964 in Madrid, Spain.

Education: Degrees in Law and in Economics and Business Administration from Universidad Pontificia de Comillas (ICADE E-3), Madrid.

Experience: He began his professional career holding a variety of positions in Grupo Gonvarri, as Director of Corporate Development and later as its Chief Executive Officer. In 1997 he created Gestamp Automoción, and since then has served as its Executive Chairman, creating over time what is now the Grupo Gestamp, a global leader in metal components for the automotive industry. He has also been member of the Board of Directors of General de Alquiler de Maquinaria, S.A. (GAM).

Other relevant positions: He is currently the Executive Chairman of Gestamp Automoción. He is also a member of the Board of Directors of CIE Automotive and of Wallbox, N.V. Furthermore, he is a member of the management bodies of other companies within Grupo Gestamp, and of companies in the Acek family holding group, including companies in the Groups Gonvarri, Acek Energías Renovables e Inmobiliaria Acek. He is also Chairman of SERNAUTO (Asociación Española de Proveedores de Automoción), Chairman of the Spain-China Council Foundation and Endeavor Foundation in Spain.

**MS. MARÍA
ROTONDO URCOLA**

Member

Independent Director



Joined the Board in 2021.

Nationality: Spanish. Born in 1964 in Madrid, Spain.

Education: Degree in Economic Science and Business Studies from Universidad Complutense of Madrid. She has received complementary training at various institutions such as ESG Academy/Foretica, IESE, IC-A, EEC, IMD, NYU, Harvard, Boston College, among others.

Experience: In terms of her professional experience, it is highlighted by having spent the last 10 years at Banco Santander (2006-2016) as Global Head of Telecommunications, Media and Technology at Santander Global Banking and Markets. Previously (1989-2006), at Santander Investment Sociedad de Valores y Bolsa, she was an investment analyst specialising in various sectors, in particular the telecommunications sector, Macroeconomist, and Director of European Analysis.

She was also an independent director of Indra (2017-2020). She served on the Advisory Board of the Instituto de Empresa (IE) "Transformation with Purpose", and Hotelab.

Other relevant positions: She is currently an Independent Director of CACEIS Bank Spain and Santander CACEIS Latam Holdco (since 2019), and an Independent Director of Libertas 7 (since 2021). She is also a member of the Advisory Board of Top Boards-Headspring (Financial Times - Instituto de Empresa) (since 2017).

She also teaches classes on Capital Markets at the Instituto de Consejeros y Administradores (ICA), and Special Operations Communication in the Master's Degree in Investor Relations at Bolsas y Mercados Españoles (BME). She is also co-director and lecturer in the Sustainability Programme at the Instituto de Empresa (IE) SYCA, where she teaches classes on corporate governance and sustainability.

Board committees of which she is a member:

Sustainability and Quality Committee (Member) and Audit and Control Committee (Member).

**MS. CLAUDIA
SENDER RAMÍREZ**

Member

Independent Director



Joined the Board in 2019.

Nationality: Brazilian. Born in 1974 in São Paulo, Brazil.

Education: Degree in Chemical Engineering from the Polytechnic School of the University of São Paulo, and a Master's degree in Business Administration (MBA) from the Harvard Business School in Boston.

Experience: She has held various positions with the following entities, among others: (i) Director of Yduqs University, formerly known as Estácio (from 2019 to 2021) (ii) Latam Airlines Group: Vice-President for Customer Relations (2017-2019); CEO of LATAM Brazil (2013-2017) Vice-President of LATAM Brazil (2011-2013); (iii) at Whirlpool, S.A.: Vice-President of Marketing (2009-2011) Division Director of Marketing (2007-2009); and Director of Strategic Planning (2005-2007); and (iv) at Bain & Company Brazil: Consultant specializing in Strategy (1998-2005).

Other relevant positions: She is currently Director of LafargeHolcim Ltd (since 2019); Director of Gerdau, S.A. (since 2019); Director of Amigos do Bem (since 2019), a Brazilian NGO dedicated to the eradication of poverty in Northwestern Brazil; Director of Embraer, Empresa Brasileira de Aeronáutica, S.A. (since 2021); and Director of Metalúrgica Gerdau, S.A. (since 2021).

Positions in other companies within the Telefónica Group (no executive duties): She is member of the Advisory Boards of Telefónica Tech and Telefónica Hispanoamérica.

Board Committees of which she is a member: The Sustainability and Quality Committee (Member) and the Strategy and Innovation Committee (Member).

Functions and Operation of the Board of Directors

General functions of the Board of Directors

The Board of Directors is the highest management and representative body of the Company. As such it is empowered, within the scope of the corporate purpose defined in the Bylaws, to perform any legal acts or transactions for purposes of management and disposition, under any title, except for those reserved by law or by the Bylaws exclusively to the shareholders at a General Shareholders' Meeting.

The foregoing provisions notwithstanding, the Board of Directors is configured basically as a supervisory and control body, entrusting the day-to-day management of the Company's business to the executive bodies and to the management team.

The Board of Directors cannot delegate those powers that the law or the Bylaws reserve to its own exclusive purview, or those other powers that are necessary for the responsible exercise of its basic function of supervision and control, or the powers delegated to it by the shareholders at a General Shareholders' Meeting, unless such subdelegation is expressly authorized.

Specifically, the Board of Directors cannot, under any circumstances, delegate the following powers:

- a) Supervision of the effective operation of the Committees that it has created and of the activities of the delegated bodies and of the Officers that it has designated.
- b) Determination of the Company's general policies and strategies.
- c) Authorization or waiver of the obligations arising from the duty of loyalty, in accordance with the provisions of the Law, in the Bylaws and in the Regulations of the Board of Directors.
- d) Its own organization and operation.
- e) Preparation of the Annual Accounts and their submission at the General Shareholders' Meeting.
- f) Preparation of any type of report that by law must be presented to the management body, provided that the transaction to which the report refers cannot be delegated.
- g) Appointment and removal of the Company's Chief Operating Officers, as well as the establishment of the terms of their contracts.
- h) Appointment and removal of the Officers who are to report directly to the Board or to any of its members, as well as the establishment of the basic conditions of their contracts, including their compensation.
- i) Decisions regarding the compensation of the Directors, within the framework of the Bylaws and of the compensation policy approved by the shareholders at the General Shareholders' Meeting.
- j) The call to the General Shareholders' Meeting and the preparation of the agenda and the proposed resolutions.
- k) The policy regarding the Company's own shares.
- l) The powers delegated by the shareholders at the General Shareholders' Meeting to the Board of Directors, unless subdelegation of such powers was expressly authorized by the shareholders.
- m) Approval of the strategic or business plan, the annual management and budgetary goals, the investment and finance policy, the corporate social responsibility and sustainability policy or dividend policy.
- n) Determination of the risk control and risk management policy, including tax-related risks, and supervision of the internal information and control systems.
- o) Determination of the corporate governance policy of the Company and of the Group; its organization and operation; and, in particular, the approval and modification of its internal Regulations.
- p) Approval of the disclosure, contact and engagement policy for shareholders, institutional investors and proxy advisers, including the policy on communication of economic/financial, non-financial and corporate information.
- q) Approval of the diversity policy in relation to the Board of Directors and the selection of directors.
- r) Approval of the financial information that the Company must periodically disclose because of its status as a listed company.
- s) Definition of the structure of its Group of companies.
- t) Approval of investments or transactions of all kinds that, because of their high amount or special characteristics, are of a strategic nature or entail a special tax risk, unless their approval is within the purview of the shareholders at the General Shareholders' Meeting.
- u) Approval of the creation or acquisition of interests in special-purpose entities or entities that are domiciled in countries or territories that are considered to be tax havens, as well as any other transactions of a similar nature that, due to their complexity, might diminish the transparency of the Company and its Group.
- v) The approval, subject to a report from the Audit and Compliance Committee, of related-party transactions under the terms established in Article 39 of the Board Regulations, unless their approval corresponds to the General Meeting.

The Company's Board of Directors may delegate the approval of transactions between companies forming part of its group that are carried out within the scope of ordinary management and under market conditions, as well as transactions entered into under contracts whose standard conditions are applied *en masse* to a large number of customers, carried out at prices or rates established on a general basis, and whose amount does not exceed 0.5% of the net turnover of the company, determined in accordance with the rules of calculation laid down in the Law.

In any event, when duly justified urgent circumstances arise, the decisions corresponding to the foregoing matters may be adopted by the delegated bodies or persons and must be ratified at the next meeting of the Board of Directors that is held after the adoption of the decision.

Allocation of positions and duties

The Board of Directors of Telefónica, S.A. has implemented a corporate governance structure that ensures the effective fulfillment of its duties and responsibilities.

This structure is configured basically in the following way:

Chief Executive Officer - Mr. José María Álvarez-Pallete López

The Chairman of the Board of Directors holds the position of chief executive of the Company, with responsibility for effective guidance of the business activities, always in accordance with the decisions and criteria set by the shareholders at the General Shareholders' Meeting and by the Board of Directors.

As Chief Executive Officer, all of the powers and duties of the Board of Directors are expressly delegated to him, except for those that cannot be delegated, whether by law, the Bylaws or the Regulations of the Board of Directors, article 5.4 of which establishes the powers that are reserved to the Board of Directors and that cannot be delegated. In addition to such delegation of powers, the Company's CEO is granted specific (non-general) powers to carry out specific transactions that have been approved by the Company.

Chief Operating Officer - Mr. Ángel Vilá Boix

The powers of the Board of Directors associated with the conduct of the business and with the fulfillment of the highest executive duties in all of the Company's business areas are delegated to the Chief Operating Officer, except for the powers that cannot be delegated, whether by law, the Bylaws or the Regulations of the Board of Directors. In addition to such delegation of powers, the Company's Chief Operating Officer is granted specific (non-general) powers to carry out specific transactions that have been approved by the Company.

Lead Independent Director - Mr. José Javier Echenique Landiríbar (appointed on December 18, 2019 to replace Mr. Francisco Javier de Paz Mancho)

The Lead Independent Director performs, among others, the following duties and tasks:

- a) Coordinates the work of the External Directors, in order to protect the interests of all of the Company's shareholders; reflects the concerns of the said Directors; and meets with them when he deems it appropriate.
- b) When appropriate, he may ask the Chairman of the Board to call a meeting of the Board of Directors, in keeping with Good Governance standards.
- c) He may request that certain matters be included on the Agenda of the meetings of the Board of Directors that have already been called.
- d) Directs the evaluation carried out by the Board of Directors of its Chairman.
- e) He may preside over meetings of the Board of Directors, in the absence of the Chairman and of the Vice Chairmen.
- f) Maintains contacts with investors and shareholders in order to know their views, for the purpose of forming an opinion regarding their concerns, particularly with regard to the Company's corporate governance.
- g) Coordinates the Chairman's succession plan.

General Secretary and Secretary of the Board of Directors - Mr. Pablo de Carvajal González

The Secretary of the Board of Directors assists the Chairman of the Board in the fulfillment of his duties, and ensures the proper functioning of the Board of Directors, with very particular attention to providing to the Directors the necessary advice and information; keeping the company records; properly reflecting in the minute books the proceedings of the meetings of the Board of Directors; and attesting to its resolutions.

The Secretary of the Board also sees to the formal and substantive legality of the activities of the Board of Directors and to their compliance with the Bylaws and with the Regulations for the General Shareholders' Meeting and of the Board of Directors, ensuring that the good governance recommendations adopted by the Company and in force at any time are duly taken into account.

The Secretary of the Board is also the General Secretary of the Company. Mr. Pablo de Carvajal González is also Telefónica's Global Director of Regulatory Affairs and Head of the Security Area.

The Board of Directors also has a Deputy Secretary, Mr. Antonio García-Mon Marañés, who assists the Secretary and replaces him in the performance of his duties in the event of his absence or inability. Mr. García-Mon is also Deputy General Secretary and Director of Corporate Legal Services.

Neither the Secretary nor the Deputy Secretary of the Board have the status of Directors.

Committees of the Board of Directors

As of December 31, 2021, and on the date of issuance of this Report, the Board of Directors had and has an Executive Commission and five advisory or control committees, whose composition, duties and powers are described in detail in advance.

Operation of the Board of Directors

Both the Bylaws and the Regulations of the Board specify that the Board of Directors shall meet routinely once a month, and, at the initiative of the Chairman, as often as he deems it appropriate for the proper functioning of the Company.

During fiscal year 2021 the Telefónica Board of Directors held 13 meetings, each lasting between three and one-half and four and one-half hours, depending on the topics discussed. As a result of the health crisis arising from the spread of COVID-19, most of the meetings of the Board of Directors have been held in mixed format, with the presence of the Directors who have considered it so (without exceeding the maximum number allowed in any case, depending on the health recommendations) and the remaining Directors attending by electronic means. At all these meetings, the Secretary of the Board of Directors attested to the identity of all the attendees.

The power to call a meeting of the Board of Directors and, if appropriate, to draw up the Agenda of the Board's meetings rests with the Chairman of the Board of Directors, who must however call a meeting when requested to do so by three Directors who indicate the issues to be discussed.

A meeting of the Board of Directors may also be called by at least one-third of its members, with an indication of the Agenda, if, after the submission of a request to the Chairman of the Board of Directors, the Chairman, without just cause, has not called the meeting within a period of one month.

The Company adopts the measures that are necessary in order for the Directors to have, whenever possible and sufficiently in advance, the necessary information, which shall be drawn up and oriented specifically toward the preparation of the meetings of the Board and of its Committees. In no case shall its compliance be waived on the grounds of the importance or confidential nature of the information, except under absolutely exceptional circumstances.

In this regard, and in accordance with the provisions of articles 18 and 20 of the Regulations of the Board of Directors, the Board of Directors and its Committees shall draw up a calendar of the meetings to be held during the year. Such calendar may be modified by resolution of the Board itself or of the corresponding Committee, or pursuant to a decision by its Chairman, in which case the modification must be disclosed to the Directors as soon as possible.

The Board and its Committees also have an Action Plan that contains a detailed description and the frequency of the activities to be carried out in each fiscal year, according to the powers and duties assigned to them.

Similarly, all of the meetings of the Board and of the Committee have a pre-established Agenda, which is communicated at least three days before the date on which the meeting is scheduled to be held, along with the call to the meeting. The Agenda for each meeting clearly indicates the items regarding which the Board of Directors or the Executive Commission must make a decision or adopt a resolution.

With the same goal, in general, the documentation associated with the Agenda for the meetings is made available to the Directors sufficiently in advance. In this regard, and in compliance with the provisions of article 19 of the Regulations of the Board of Directors, the Chairman of the Board of Directors organizes the discussions, seeking and encouraging the active participation of all of the Directors in the deliberations, safeguarding the unconstrained statement of their viewpoints. Similarly, with the assistance of the Secretary, the Chairman ensures that the Directors receive beforehand sufficient information to deliberate on the items on the Agenda. He also ensures that sufficient time is devoted to the discussion of strategic issues and stimulates debate during the meetings, safeguarding the unconstrained statement of viewpoints by the Directors.

To facilitate the provision of all of the information and clarifications that may be necessary regarding some of the issues to be addressed, the main officers of the Group attend essentially all of the meetings of the Board and of its Committees, along with the speakers who are deemed appropriate, for the presentation of matters lying within their purview.

Furthermore, and in general, the Regulations of the Board (article 27) expressly provide that the Directors are vested with the broadest powers for obtaining information about any aspect of the Company and to examine its books, records, documents and other background materials relating to corporate activities. The exercise of this right of information is channeled through the Chairman or the Secretary of the Board of Directors, who handle requests from the Directors, either providing the information directly to the Directors or placing them in touch with the proper contact persons at the appropriate organizational level.

The Board of Directors can validly hold a meeting when a majority of its serving members are present or represented at the meeting. The Directors must personally attend the meetings of the Board of Directors. If, under exceptional circumstances, they are unable to do so, they shall ensure that the proxy they give to another member of the Board of Directors includes, insofar as possible, the appropriate instructions. Non-executive Directors can delegate their proxy only to another non-executive Director. Such delegations may be made by letter or in any other way that ensures the certainty and validity of the proxy, in the opinion of the Chairman of the Board of Directors (article 19 of the Regulations of the Board of Directors and article 34.4 of the Bylaws).

In all cases, resolutions are adopted by an absolute majority of the votes of the Directors who are present at the meeting, either in person or by proxy, except in those instances in which, for certain resolutions to be valid, the law, the By-Laws or the Regulation of the Board of Directors requires the favorable vote of a larger number of Directors.

Board Committees

Both the Bylaws and the Regulations of the Board provide for an Executive Commission of the Board of Directors, with general decision-making authority and, consequently, with the express delegation of all of the powers of the Board of Directors, except for those powers that, by law or pursuant to the Bylaws, cannot be delegated.

The Regulations also authorize the Board of Directors to create one or more advisory or control committees entrusted with the task of examining and continuously monitoring any area of special importance to the good governance of the Company, or performing the specific analysis of any factor or issue whose significance or magnitude requires it. Such Committees do not have the status of corporate bodies, but rather are tools in the service of the Board of Directors, to which they convey the conclusions that they reach with regard to the issues or subjects whose handling has been entrusted to them.

As of December 31, 2021, and on the date of issuance of this Report, the Board of Directors had and has an Executive Commission and five advisory or control committees, whose composition, duties and powers are described below.

The Company's Board of Directors, at its meeting held on December 16, 2020, and at the proposal of the Nominating, Compensation and Corporate Governance Committee, approved the partial amendment of the Regulations of the Board of Directors of Telefónica, S.A., which amendment consisted of the following: i) adapting it to the Recommendations of the Good Governance Code amended in June with which the Company currently fully complies; ii) adapt it to certain Recommendations of the Good Governance Code not amended in June 2020 and which the Company had

already been complying with; and (iii) incorporate some complementary aspects or technical clarifications. Among other issues, certain aspects relating to the composition of the Board Committees were modified, and new functions were adjusted and assigned to the Audit and Control Committee, the Nominating, Compensation and Corporate Governance Committee and the Sustainability and Quality Committee, and the express regulation of the Strategy and Innovation Committee was included in the Regulations.

In coordination with the amendment of the Regulations of the Board of Directors, the Board of Directors, at its meeting held on December 16, 2020, approved the partial amendment of the Regulations of the Audit and Control Committee and the Regulations of the Nominating, Compensation and Corporate Governance Committee, to include the changes introduced to the Regulations of the Board of Directors with respect to the composition and duties assigned, respectively, to each Committee.

Likewise, as mentioned above, the Board of Directors, at its meeting held on June 29 and 30, 2021, and at the proposal of the Nominating, Compensation and Corporate Governance Committee, approved the partial amendment of the Board of Directors' Regulations of Telefónica, S.A., basically consisting of adapting said regulations to the following features introduced by Law 5/2021: (i) the amendment of the regime of related-party transactions applicable to listed companies, establishing new rules for their approval and reinforce their transparency; (ii) the prohibition of appointing legal persons as directors who in listed companies; and (iii) the review of the requirements for the Audit Committee of a parent company to perform the functions of the Audit Committee in its subsidiaries that are public interest entities (PIEs). In this context, certain functions of the Audit and Control Committee were adjusted.

In coordination with the amendment of the Board of Directors' Regulations, the Board, at its meeting held on June 29 and 30, 2021, agreed to partially amend the Regulations of the Audit and Control Committee in order to incorporate the changes made to the of the Board of Directors' Regulations with regard to the list of functions attributed to the Audit and Control Committee.

Likewise, and as in the 2020 financial year, during 2021 the Board of Directors and its Committees the Board of Directors and its committees have approved certain changes in the composition of the committees, in order to continue improving and strengthening their performance and the advice and support that they provide to the Board of Directors in their respective spheres, in accordance with best international practices and recommendations.

On the other hand, with regard to the meetings held by the Board of Directors' Committees, during financial year 2021, as a result of the health crisis arising from the spread of COVID-19, most of the meetings of the Board of Directors' Committees were held in mixed format, with the presence of the Directors who have considered it

(without exceeding in any case the maximum number allowed in accordance with health recommendations) and the remaining Directors attending by electronic means. At all these meetings, the Secretary of each Committee attested to the identity of all the attendees.

Regarding the matters addressed by the Committees, and in accordance with the provisions of article 20 b) 3. of the Regulations of the Board, a full report is delivered to the Board of Directors so that it will be aware of the said matters for the exercise of its responsibilities. At the beginning of each of the monthly meetings of the Board of Directors, the Chairman of each of the Committees delivers a report on the major matters that were addressed and on the activities and tasks that were carried out by the respective Committee, making available to the Directors the corresponding documentation, so that the Directors will be aware of such activities for the purposes of the exercise of their responsibilities.

Additionally, and in the same way as the Board of Directors itself, all of the Committees prepare, at the start of each fiscal year and in accordance with the provisions of article 20 b) 3. of the Regulations of the Board of Directors, an Action Plan that contains a detailed description of, and a schedule for, the actions to be taken in each fiscal year in each Committee's individual area of activity.

Similarly, all of the Committees prepare an Activity Memorandum (which, for the Audit and Control Committee and the Nominating, Compensation and Corporate Governance Committee, is known as the Performance Report), which summarizes the major activities and actions that were carried out during the preceding fiscal year, including the details of the matters that were examined and addressed at the meetings that were held, and emphasizing the aspects associated with their duties and responsibilities, composition and performance.

The Executive Commission

The Board of Directors has delegated its authority and powers (except for those that by law, under the bylaws and pursuant to the regulations cannot be delegated) to an Executive Commission.

The Executive Commission provides the Board of Directors with greater operability and effectiveness in the exercise of its functions, inasmuch as it meets more often than the Board of Directors does.

In accordance with the provisions of article 38 of the Bylaws of Telefónica, S.A., article 21 of the Regulations of the Company's Board of Directors governs the Executive Commission in the following terms:

a) Composition.

The Executive Commission shall consist of the Chairman of the Board of Directors, once he has been appointed as

a member of the Committee, and no fewer than three and no more than ten other members, all of whom shall be Directors, appointed by the Board of Directors.

The Board of Directors shall endeavor to ensure that the Executive Commission has at least two non-executive Director, of whom at least one shall be independent.

In any event, in order to be valid, the appointment or renewal of the members of the Executive Commission shall require the favorable vote of at least two-thirds of the members of the Board of Directors.

As of December 31, 2021, the Executive Commission was composed of the following persons:

Name	Post	Category
Mr. José María Álvarez-Pallete López	Chairman	Executive
Mr. Isidro Fainé Casas	Vice Chairman	Proprietary
Mr. José María Abril Pérez	Vice Chairman	Proprietary
Mr. José Javier Echenique Landiríbar	Vice Chairman	Independent
Mr. Ángel Vilá Boix	Member	Executive
Mr. Peter Erskine	Member	Other External
Mr. Peter Löscher	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External

The Board of Directors, at its meeting held on January 27, 2021, agreed to appoint Mr. Peter Löscher as a Member of the Executive Commission with effect from such date.

b) Operation.

The Executive Commission shall meet whenever it is called by its Chairman, normally holding meetings every 15 (fifteen) days. During the year 2021 it held 19 meetings, lasting on average 2 hours and 30 minutes each. Also noteworthy is the high level of participation of all of its members.

The Chairman and the Secretary of the Board of Directors shall serve as the Chairman and the Secretary of the Executive Commission. One or more Vice Chairmen and a Deputy Secretary may also be appointed.

The Executive Commission can validly hold a meeting when a majority of its members are present at the meeting, either in person or by proxy.

Resolutions shall be adopted by an absolute majority of the Directors present at the meeting either in person or by proxy. In the event of a tie in the voting, the Chairman shall cast the deciding vote.

c) Relationship with the Board of Directors.

The Executive Commission shall promptly inform the Board of Directors of the matters that are discussed and

the decisions that are made at its meetings. Copies of the minutes of such meetings shall be made available to the members of the Board (article 21.C of the Regulations of the Board).

Most important activities during the fiscal year

During fiscal year 2021 the Executive Commission of the Board of Directors of Telefónica, S.A. analyzed and reviewed, deliberated on and adopted resolutions (which have been ratified by the Company's Board of Directors) relating to certain issues associated with the following matters, among others:

- The business developed by the Telefónica Group: i) products and services (Digitization, Digital Services, Home Security, e-Health, Innovation in Communication, Telefónica Open Innovation, B2B Business, MNCs, etc.), ii) the evolution of the business in the various different countries in which the Telefónica Group operates, and iii) operating trends.
- The regulatory situation of the telecommunications industry (including, among others, regulatory changes and spectrum auctions).
- Corporate and finance-related transactions of the Telefónica Group.
- Other organizational issues related to People, Sustainability, etc.

Audit and Control Committee

The Audit and Control Committee of Telefónica, S.A. is governed by the provisions of article 39 of the Bylaws and by the provisions of article 22 of the Regulations of the Board of Directors. Accordingly, and in order to comply with the recommendations set forth in Technical Guide 3/2017 of the National Securities Market Commission regarding Audit Committees of Public Interest Entities, the Board of Directors, at its meeting held on December 13, 2017, approved the Regulations of the Audit and Control Committee of Telefónica, S.A., which was amended by resolution of the Board of Directors at its meeting of December 16, 2020, following a favourable report from the Audit and Control Committee, to adapt it to the recommendations of the Good Governance Code as amended in June 2020 (as well as article 22 of the Regulations of the Board of Directors).

Likewise, the Regulations of Audit and Control Committee were amended by the motion passed by the Board of Directors at its meeting of June 29 and 30, 2021, following a favourable report from the Audit and Control Committee to adapt these to the new features introduced by Law 5/2021 (as well as Article 22 of the Board of Directors' Regulations).

Article 39 of the Company's By-Laws, article 22 of the Regulations of the Board of Directors and the Regulations

of the Audit and Control Committee govern such Committee under the following sections. The current version of the Regulations of the Audit and Control Committee is available for consultation on the Company's corporate website, in the Corporate Governance section under Information for Shareholders and Investors: <https://www.telefonica.com/en/shareholders-investors/>

a) Composition.

The Audit and Control Committee shall consist of the number of Directors that the Board of Directors determines at any given time. In no case shall the said number be fewer than three persons appointed by the Board of Directors. All of its members must be External or Non-Executive Directors, and at least a majority of them must be Independent Directors. In appointing the members of the committee, and, in particular, its Chairman, the Board of Directors shall take into account their knowledge and experience in matters of accounting, auditing and management of both financial and non-financial risks. Collectively, the members of the Committee shall possess the technical knowledge that is pertinent to the area of business to which the Company belongs.

The Chairman of the Audit and Control Committee, whose position in any case shall be held by an Independent Director, shall be appointed from among the members of such Committee. The Chairman must be replaced every four years and may be re-elected after a period of one year has elapsed since his departure.

As of December 31, 2021, and as of the date of this Report, the Audit and Control Committee was and is composed of the following persons:

Name	Post	Category
Mr. Peter Löscher	Chairman	Independent
Mr. José Javier Echenique Landiríbar	Member	Independent
Ms. Carmen García de Andrés	Member	Independent
Ms. María Rotondo Urcola	Member	Independent

The Board of Directors, at its meeting on December 15, 2021, agreed to the appointment of Ms. María Rotondo Urcola as Member of the Audit and Control Committee.

Furthermore, all the members of the Audit and Control Committee, who are Independent Directors, have a financial background, and were appointed taking into account their knowledge and experience in accounting, auditing or management of both financial and non-financial risks.

b) Responsibilities.

Without prejudice to any other tasks that may be assigned to it by the Board of Directors, the primary function of the Audit and Control Committee shall be to support the Board of Directors in its supervisory functions.

In particular, the Committee shall have at least the following responsibilities:

1) To provide information to the shareholders at the General Shareholders' Meeting about the issues that arise within its purview and, in particular, about the outcome of the audit, explaining how the audit contributed to the integrity of the financial information, and the role that the Committee played in the process.

2) To present to the Board of Directors the proposals for the selection, appointment, re-election and replacement of the external auditor, taking responsibility for the selection process, as provided by law, along with the terms and conditions under which the external auditor is to be retained, as well as collecting regularly from the auditor information about the audit plan and its implementation, in addition to preserving its independence in the fulfillment of its duties.

3) To supervise internal audit, which shall endeavor to ensure the proper operation of internal reporting and control systems, and which will functionally report to the Chairman of the Audit and Control Committee, and in particular shall be required:

a) Ensuring the independence and effectiveness of the internal audit function;

b) Proposing the selection, appointment and removal of the head of the internal audit department;

c) Proposing the budget for that department;

d) To approve the annual focus and work plan, ensuring that its activity is principally focused on material risks (including reputational risks)

e) To review the annual activities report;

f) To receive regular information about its activities, the implementation of the annual work plan, including any incidents or limitations in scope that arise during such implementation, the outcome and the follow-up on its recommendations; and

g) To verify that the senior executive officers take into account the conclusions and recommendations of its reports.

4) To supervise and assess the process of preparing and submitting and the integrity of the mandatory financial and non-financial information relating to the Company and the Group and to submit recommendations or proposals to the Board of Directors intended to safeguard the integrity thereof. With respect thereto, it shall review compliance with legal requirements, the proper determination of the scope of consolidation and the correct application of accounting standards, informing the Board of Directors thereof.

5) To endeavor ensure that the annual accounts submitted by the Board of Directors to the shareholders at the General Shareholders' Meeting are prepared in

accordance with the legal provisions on accounting. However, in cases where the statutory auditor has included a qualification in its audit report, the Chairman of the Committee shall clearly explain the content and scope thereof at the General Meeting. In addition, a summary of such explanation shall be made available to the shareholders at the time of publication of the call to the General Meeting.

6) To supervise the effectiveness of the Company's internal control system, particularly endeavoring to ensure the effective implementation in practice of the policies and systems on internal control, as well as on internal audit, and the systems for the control and management of financial and non-financial risks relating to the Company and the Group (including operational, technological, legal, social, environmental, political and reputational risks and corruption-related risks), and to discuss with the Statutory Auditor any significant weaknesses in the internal control system detected during the audit, all without infringing the independence thereof. In such cases, and if applicable, it may submit recommendations or proposals to the Board of Directors and the corresponding period for follow-up thereon.

In that regard, it shall be responsible for proposing to the Board of Directors a risk control and management policy, which shall identify at least the following:

a) The types of financial (including contingent liabilities and other off-balance sheet risks) and non-financial (operational, technological, legal, social, environmental, political and reputational, including corruption-related risks) risks to which the Company is exposed;

b) A multi-level risk control and management model;

c) the setting of the risk level that the Company deems acceptable; the measures contemplated to mitigate the impact of the identified risks, should they materialize; and

d) the internal control and information systems to be used to control and manage the above-mentioned risks.

7) To supervise the risk control and management unit, which shall perform the following duties:

a) ensure the proper operation of the risk control and management systems, and particularly to ensure that all material risks affecting the Company are identified, managed and quantified;

b) actively participate in preparing the risk strategy and in important decisions regarding the management thereof; and

c) endeavor to ensure that the risk control and management systems properly mitigate risks within the framework of the policy determined by the Board of Directors.

8) To establish and supervise a mechanism that enables employees and other people connected with the Company, such as Directors, shareholders, suppliers, contractors and subcontractors, to confidentially and anonymously, with due regard for the rights of complainant and the subject of any complainant, report any significant improprieties, including financial, accounting or any other kind of improprieties regarding the Company, that they become aware of within the Company or its Group.

9) To establish and maintain appropriate relations with the Statutory Auditor in order to receive, for review by the Committee, information on all matters that could entail a threat to the independence thereof, as well as any other matters relating to the audit procedure, and when applicable, authorization of services other than those that are prohibited, upon the terms contemplated by applicable law, and such other communications as may be provided for in auditing legislation and auditing rules. In any event, the Audit and Control Committee must receive, on an annual basis, a declaration from the Statutory Auditor of its independence from the Company or entities directly or indirectly related thereto, as well as detailed and itemized information regarding additional services of any kind provided to and the corresponding fees received from, such entities by the Auditor or by the persons or entities related thereto pursuant to the provisions of applicable law.

10) To issue on an annual basis, prior to the issuance of the audit report, a report stating an opinion on whether the independence of the Statutory Auditor has been compromised. This report must in all cases include a reasoned assessment of the provisions of each and every one of the additional services referred to in point 9) above, both individually and as a whole, other than the legal audit and regarding the rules on independence or regulations on the activity of auditing.

11) To preserve the independence of the statutory auditor in the performance of its duties, and in this regard: (i) in the event of the resignation of the statutory auditor, examine the circumstances giving rise to such resignation; (ii) endeavor to ensure that the compensation received by the statutory auditor for its work does not compromise the quality or independence thereof; (iii) ensure that the Company communicates through the CNMV any change in auditor and attaches a statement regarding any disagreements with the outgoing auditor and, if any, the substance thereof; (iv) ensure that the statutory auditor meets annually with the full Board of Directors to inform the Board of Directors of the work performed and on the accounting status and the risks of the Company; and (v) ensure that the Company and the statutory auditor applicable legal provisions regarding the provision of non-audit services, limits on the concentration of the auditor's business, and generally all other provisions regarding the independence of the auditors.

12) To analyze and report on the financial terms, accounting impact and, if applicable, the exchange ratio proposed for structural modifications and corporate transactions that the Company expects to carry out, prior to submission to the Board of Directors.

13) To report in advance to the Board of Directors on all matters provided by law and the By-Laws, and particularly regarding:

1. Financial information and the management report, which shall include the required non-financial information that the Company must periodically make public; and
2. The creation or acquisition of interests in special-purpose entities or entities domiciled in countries or territories considered to be tax havens.

14) To report on related-party transactions that must be approved by the shareholders acting at a General Shareholders' Meeting or by the Board of Directors and to supervise the internal process established by the Company for those transactions for which approval has been delegated by the Board of Directors

15) To supervise the application of the general policy on the disclosure of economic/financial, non-financial and corporate information and communication with shareholders and investors, proxy advisers and other stakeholders, and to monitor the manner in which the Company communicates and engages with small and medium-sized shareholders, all with respect to those aspects within the purview of the Committee.

16) As regards those companies of the Group that are deemed to be Public-Interest Entities (*Entidades de Interés Público*) (as defined by applicable law), and with respect to which it is so approved by the Board of Directors, to perform all those duties of the Audit Committee at any time contemplated by applicable law, provided that (a) such companies are directly or indirectly wholly-owned by the Company pursuant to the provisions of applicable law, or (b) the assumption of such duties has been unanimously approved by the shareholders of the subsidiary.

The provisions of paragraphs 2), 9) and 10) shall be understood as being without prejudice to the regulatory framework governing the auditing of accounts.

Mechanisms established to preserve the independence of external auditors

With regard to the independence of the Company's external auditor, and in accordance with the provisions of Telefónica's Regulations of the Board of Directors (Article 41), the Board of Directors has established, through the Audit and Control Committee, a stable and professional relationship with the Accounts Auditor, with strict respect for the independence thereof.

Furthermore, the Audit and Control Committee, as part of its fundamental powers (Article 22 of the Regulations of the Board of Directors and Article 4 of the Regulations of the Audit and Control Committee), has established and maintains the appropriate relationships with the auditors to receive information on those matters that may threaten their independence, to be considered by the Committee, and any others related to the process of carrying out the audit, and, where appropriate, the authorisation of services other than those prohibited, in accordance with the terms set forth in the applicable law, as well as other communications set forth in audit legislation and audit regulations.

In any case, the Audit and Control Committee annually receives the accounts auditor's declaration of independence with regard to the Company or entities directly or indirectly related to it, as well as detailed and personalised information on the additional services of any kind provided and the corresponding fees received from these entities by the reported auditor, or the persons or entities related to him/her in accordance with the provisions of current regulations.

Furthermore, the Committee issues, prior to issuing the audit report of the accounts, an annual report that expresses an opinion on whether the independence of the accounts auditor has been compromised. This report states, in any case, the evaluation, with supporting evidence/rationale, of the provision of each and every one of the additional services referred to in the previous section, taken into account individually and together, different to the statutory audit and in relation to the independence regime or the regulations governing account auditing.

In any event, the Audit and Control Committee must preserve the independence of the statutory auditor in the performance of its duties, and in this regard: (i) in the event of the resignation of the statutory auditor, examine the circumstances giving rise to such resignation; (ii) endeavor to ensure that the compensation received by the statutory auditor for its work does not compromise the quality or independence thereof; (iii) ensure that the Company communicates through the CNMV any change in auditor and attaches a statement regarding any disagreements with the outgoing auditor and, if any, the substance thereof; (iv) ensure that the statutory auditor meets annually with the full Board of Directors to inform the Board of Directors of the work performed and on the accounting status and the risks of the Company; and (v) ensure that the Company and the statutory auditor applicable legal provisions regarding the provision of non-audit services, limits on the concentration of the auditor's business, and generally all other provisions regarding the independence of the auditors.

In addition, and in accordance with the Regulations of the Board of Directors (Article 22), the Company's Audit and Control Committee puts forward proposals to the Board of Directors for the selection, appointment, re-election and replacement of the external auditor, taking

responsibility for the selection process in accordance with the law, as well as the terms and conditions of his/her contract, regularly obtaining information from the auditor on the audit plan and the execution thereof, as well as preserving his/her independence in the exercise of his/her duties.

Furthermore, the external auditor has direct access to the Audit and Control Committee, participating regularly in its meetings, without the presence of members of the Company's management team when this is deemed necessary. In this regard, and in accordance with the requirements of US regulations on this matter, the External Auditor reports to the Audit and Control Committee, at least on an annual basis, on the most significant accounting policies and practices followed in drawing up the Company's financial and accounting information, on any alternative accounting treatment within generally accepted accounting principles and practices that affects any relevant element within the financial statements that may have been discussed with the management team, and, finally, on any relevant communication between the auditor and the Company's management team. In addition, and in accordance with Article 41 of the Regulations of the Board of Directors, the auditor shall hold an annual meeting with the full Board of Directors to provide an update on the work carried out and the evolution of the Company's accounting and risk situation.

In accordance with the Company's internal regulations, and also in line with the legal requirements imposed by Spanish, European and US regulations, contracting any service with the Company's External Auditor must always be approved beforehand by the Audit and Control Committee. Furthermore, this contracting of services, other than those of the audit itself, is carried out in strict compliance with the Audit Act, European regulations and the Sarbanes-Oxley Act enacted in the United States and its implementing regulations. In this respect, and before hiring the auditor, the Audit and Control Committee analyses the content of the work to be carried out, assessing the situations that may entail a risk to the independence of the Company's External Auditor, and specifically supervises the percentage represented by the fees paid by the latter of the audit firm's total revenue. In this regard, the Company states in its Annual Report, in accordance with the legal requirements in force, how much the Company's External Auditor is paid, including those fees related to services of a different nature from auditing.

Consequently, the Company has implemented, in practice, the legal provisions on this matter as indicated in the preceding paragraphs.

c) Operation.

The Audit and Control Committee must have access to information in a suitable, timely and sufficient manner, for which purpose:

- The Chairman of the Committee and, if deemed appropriate or requested, the rest of its members, shall maintain regular contact with the key personnel involved in the governance and management of the Company.
- The Chairman of the Committee, through the Secretary of the Committee, shall channel and provide the necessary information and documentation to the other members of the Committee, allowing sufficient time for them to analyze such information prior to their meetings.

This information shall be available through the corresponding information technology application, enabled by the Company for the handling of the documentation associated with this Committee.

The Audit and Control Committee shall meet at least once every quarter, and whenever a meeting is deemed appropriate, in response to a call from its Chairman. In any event, the Committee shall meet, at a minimum, on each date on which annual or interim financial information is published. In such cases, the Internal Auditor shall be present. If any type of review report is issued, the Auditor shall also be present.

In this regard, and with reference to the meetings held with the Statutory Auditor and with the Internal Auditor, the provisions of article 7 of the Regulations of the Company's Audit and Control Committee are complied with, which provisions establish that, for the proper exercise of its supervisory function, the Committee must be familiar with, and understand, the decisions made by Senior Management regarding the application of the most significant criteria and the results of the reviews conducted by the Internal Audit Office, while maintaining fluid communications with the Statutory Auditor. In point of fact, the External Auditor has participated in meetings of the Audit and Control Committee in order to explain the work that was done, and also to clarify, at the request of Committee, those issues that may have been raised in connection with the duties assigned to such External Auditor. The members of the Committee also held separate meetings with each of these contact persons when such meetings were deemed necessary, in order to conduct a rigorous follow-up of the preparation of the Company's financial information.

During 2021 it held 11 meetings, lasting on average two hours each. Also noteworthy is the high level of participation of all of its members.

Likewise, in the fulfillment of its duties, the Committee may request the presence of the following persons at its meetings: the Statutory Auditor, the head of the Internal Audit Office, any Director, employee or Officer of the Company and the experts that it deems appropriate.

Attendance at the formal meetings of the Committee shall be preceded by the allocation, on the part of its

Members, of sufficient time to analyze and evaluate the information received by them.

The Committee also has a Secretary, as well as the necessary support staff for planning meetings and agendas; for drafting documents and meeting minutes; and for compiling and distributing information, among other tasks.

For the purposes of appropriate scheduling that makes it possible to ensure the efficient accomplishment of the objectives pursued, the Committee establishes an Annual Work Plan.

The meetings are scheduled by the Chairman of the Committee, who communicates them to the Secretary of the Committee, so that its members will receive the documentation sufficiently in advance. All of these actions are performed bearing in mind that the duties of the Members of the Committee are fundamentally supervisory and advisory, with no involvement in execution or management, which are the responsibility of Senior Management.

Most important activities during the fiscal year and fulfillment of duties.

The primary activities and actions performed by the Audit and Control Committee of the Board of Directors of Telefónica, S.A. during fiscal year 2021 have been associated with the powers and functions of such Committee. Accordingly, the Audit and Control Committee has performed, among others, the following tasks:

- In the financial and non-financial area: i) a review of the Company's financial information (Annual Accounts and Management Reports, which include non-financial information for 2020, periodic quarterly and semi-annual financial information about the Telefónica Group and the Group's Public Interest Entities for which this Committee has taken on the duties of its Audit Committee, and Alternative Performance Measures, included in the Company Financial Information); ii) financial accounting aspects of corporate operations; iii) a review of the informative brochures presented by the Company to the various supervisory bodies (including, among others, the 20-F Annual Report and numerous informative brochures about share-financing and debt-financing transactions); and iv) a review of specific presentations on financial and fiscals aspects of, and changes in, accounting regulations. The Committee also reviewed the non-financial information and the information on diversity prepared by the Company, in compliance with applicable regulations.
- Regarding the external auditor: i) a proposal regarding the fees to be received by PwC as the Statutory Auditor for fiscal year 2021, and ii) a review of the audit work and the limited reviews conducted by the

external auditor with regard to the above-mentioned financial information.

- Regarding internal controls: i) a review of the work performed by the Internal Audit Office regarding the review of cross-cutting processes, investigations and inspections; and ii) a review of the risk management system.
- Regarding compliance, the activities carried out by the Compliance area, including, among others, the review and strengthening of the Company's regulatory framework, and advice on conflicts of interest, global due-diligence procedures associated with operations, and specific presentations on specific aspects or initiatives of the Company's Compliance Program.
- Other items of interest: i) the 2020 report of the Audit and Control Committee on related-party transactions; ii) the monthly report of the head of the Telefónica, S.A. Treasury Stock Management Team on treasury-stock transactions; iii) a review to ensure that the financial information published on the Company's website is continuously updated and matches the information prepared, in each instance, by the Board of Directors and published on the CNMV website; iv) analysis of the new developments affecting the Audit and Compliance Committee, contained in Law 5/2021, which amends the Capital Companies Act and other financial regulations, and, consequently, analysis of the new Regime for Related-Party Transactions established by Law 5/2021 and the actions to be taken by the company (amendment of the Board of Directors and of Audit and Compliance Committee regulations; establishment of a generic delegation for the approval of all permitted related-party transactions; drafting of framework agreements for financing operations; updating of the Procedure for obtaining information and approval of related-party transactions with directors and senior executives; drafting of a new procedure for obtaining information and approval of intra-group related-party transactions; and establishment of an internal procedure for periodic reporting and control); v) periodic training to ensure that the knowledge imparted to the members of the Committee is up to date; and vi) preparation of the Audit and Control Committee's Report on the Functioning of the Audit and Control Committee.

The Nominating, Compensation and Corporate Governance Committee

The Nominating, Compensation and Corporate Governance Committee of Telefónica, S.A. is governed by the provisions of article 40 of the Bylaws and of article 23 of the Regulations of the Board of Directors. Accordingly, and in order to comply with the recommendations set forth in Technical Guide 1/2019 of the National Securities Market Commission regarding Nominating and Compensation Committees, the Board of Directors, at its meeting held on June 26, 2019, approved the Regulations of the Nominating, Compensation and Corporate Governance Committee of Telefónica, S.A., which was amended by resolution of the Board of Directors at its meeting of December 16, 2020, following a favourable report from the Nominating, Compensation and Corporate Governance Committee, to adapt it to the recommendations of the Good Governance Code as amended in June 2020 (as well as Article 23 of the Regulations of the Board of Directors).

Article 40 of the Company's By-Laws, article 23 of the Regulations of the Board of Directors and the Regulations of the Nominating, Compensation and Corporate Governance Committee govern such Committee under the terms set out in the following sections. The current version of the Regulations of the Nominating, Compensation and Corporate Governance Committee is available for consultation on the Company's corporate website, in the Corporate Governance section under Information for Shareholders and Investors: <https://www.telefonica.com/en/shareholders-investors/>

a) Composition.

The Nominating, Compensation and Corporate Governance Committee shall consist of the number of Directors that the Board of Directors determines at any given time. In no case shall the said number be fewer than three persons appointed by the Board of Directors. All of its members must be external or non-executive Directors, and the majority of them must be independent Directors. The Lead Independent Director must also be a member of the Committee.

The members of the Nominating, Compensation and Corporate Governance Committee shall be appointed such that as a group they have the knowledge, aptitudes and experience appropriate for the duties that they are called upon to perform.

The Chairman of the Nominating, Compensation and Corporate Governance Committee, whose position shall in any case be held by an independent Director, shall be appointed from among the members of such Committee.

As of December 31, 2021, and on the date of this Report, the Nominating, Compensation and Corporate Governance Committee was and is composed of the following persons:

Name	Post	Category
Mr. José Javier Echenique Landiríbar	Chairman	Independent
Mr. Peter Erskine	Member	Other External
Ms. María Luisa García Blanco	Member	Independent
Mr. Peter Löscher	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External

b) Responsibilities.

Notwithstanding any other tasks that may be assigned to it by the Board of Directors, the Nominating, Compensation and Corporate Governance Committee shall have the following responsibilities:

- 1) To evaluate the skills, knowledge and experience necessary within the Board of Directors. For such purposes, it shall determine the functions and aptitudes needed in the candidates who must fill each vacancy and shall evaluate the time and dedication required for them to effectively carry out their tasks and shall ensure that the non-executive Directors have sufficient availability to properly perform their duties.
- 2) To establish a goal for representation by the less represented gender on the Board of Directors and prepare guidance on how to reach this objective.
- 3) To submit proposed appointments of independent Directors to the Board of Directors for appointment on an interim basis to fill a vacancy or for submission of such proposals to a decision by the shareholders at the General Shareholders' Meeting, as well as proposals for the re-election or removal of such Directors by the shareholders at the General Shareholders' Meeting.
- 4) To report on the proposed appointments of the other Directors of the Company for their appointment on an interim basis to fill a vacancy or for submission of such proposals to a decision by the shareholders at the General Shareholders' Meeting, as well as proposals for the re-election or removal thereof by the shareholders at the General Shareholders' Meeting.
- 5) To also report on proposals for the appointment and removal of the Secretary and any Deputy Secretary of the Board of Directors of the Company, as well as proposals for the appointment, re-election and removal of Directors from the subsidiaries thereof.
- 6) To report on proposals for the appointment and removal of the Senior Executive Officers of the Company and its subsidiaries.
- 7) To report on the proposals for appointment of the members of the Executive Commission and of the other Committees of the Board of Directors, as well as the respective Secretary and, if applicable, the respective Deputy Secretary.
- 8) To propose to the Board of Directors the appointment of the Lead Director from among the independent Directors.
- 9) Together with the Chairman of the Board of Directors, to organize and coordinate a periodic evaluation of the Board of Directors and its Committees, including the performance and contribution of each Director and the evaluation of the performance of the Chairman of the Board of Directors under the direction of the Lead Director pursuant to the Regulations of the Board of Directors.
- 10) To report on the periodic evaluation of the performance of the Chairman of the Board of Directors.
- 11) To examine or organize the succession of the Chairman of the Board of Directors and, if applicable, to make proposals to the Board of Directors so that such succession occurs in an orderly and planned manner.
- 12) To propose to the Board of Directors, within the framework established in the By-Laws, the compensation for the Directors and review it periodically to ensure that it is in keeping with the tasks performed by them, as provided in Article 35 of the Regulations of the Board of Directors.
- 13) To propose to the Board of Directors, within the framework established in the By-Laws, the extent and amount of the compensation, rights and remuneration of a financial nature, of the Chairman of the Board of Directors, the executive Directors and the Senior Executive Officers of the Company, as well as the basic terms of their contracts, for purposes of contractual implementation thereof.
- 14) To confirm compliance with and to periodically review the compensation policy applied to the Directors and Senior Executive Officers, including share-based compensation systems and the application thereof.
- 15) To prepare and propose to the Board of Directors an annual report regarding the Director compensation policy.
- 16) To verify the information regarding the compensation of the Directors and Senior Executive Officers set forth in the various corporate documents, including the annual report on the Director compensation policy.
- 17) To supervise compliance with the Company's internal corporate governance policies and rules, as well as the Company's internal codes of conduct in force from time to time, while also endeavoring to ensure that the corporate culture is aligned with its purpose and values.
- 18) To periodically evaluate and review the Company's corporate governance system, such that it fulfills the mission of promoting the corporate interest and takes due account of the legitimate interests of the other stakeholders.
- 19) To supervise the implementation of the general policy regarding the communication of economic/financial, non-

financial and corporate information and communication with shareholders and investors, proxy advisers and other stakeholders, and to monitor the manner in which the Company communicates and engages with small and medium-sized shareholders, all as regards aspects within the purview of this Committee.

20) To endeavor to ensure that any conflicts of interest do not adversely affect the independence of external advice provided to the Committee.

21) To exercise such other powers and perform such other duties as are assigned the Nominating, Compensation and Corporate Governance Committee in the Regulations of the Board of Directors.

c) Operation.

The Nominating, Compensation and Corporate Governance Committee must have access to information in a suitable, timely and sufficient manner, for which purpose:

- The Chairman of the Committee and, if deemed appropriate or requested, the rest of its members, shall maintain regular contact with the key personnel involved in the governance and management of the Company.
- The Chairman of the Committee, or, if applicable, the Secretary of the Committee, shall channel and provide the necessary information and documentation to the other members of the Committee, allowing sufficient time for them to analyze such information prior to their meetings.

This information shall be available through the corresponding information technology application, enabled by the Company for the handling of the documentation associated with this Committee.

The Nominating, Compensation and Corporate Governance Committee shall meet at least once every quarter, and whenever a meeting is deemed appropriate, in response to a call from its Chairman. In addition to holding the meetings scheduled on the annual calendar, the Nominating, Compensation and Corporate Governance Committee shall meet whenever the Company's Board of Directors or the Chairman of the Board of Directors requests the issuance of a report or the preparation of a proposal within the scope of its responsibilities, and whenever, in the opinion of the Chairman of the Board, a meeting is appropriate for the proper fulfillment of its duties.

During 2021 it held 12 meetings, lasting on average two hours each. Also noteworthy is the high level of participation of all of its members.

The Committee shall also meet sufficiently in advance of the meetings of the Board of Directors.

Attendance at the formal meetings of the Committee shall be preceded by the allocation, on the part of its Members, of sufficient time to analyze and evaluate the information received by them.

The Committee shall have a Secretary (who will normally be the Secretary or the Deputy Secretary of the Board of Directors), as well as the necessary support staff for planning meetings and agendas; for drafting documents and meeting minutes; and for compiling and distributing information, among other tasks.

For the purposes of appropriate scheduling that makes it possible to ensure the efficient accomplishment of the objectives pursued, the Committee shall establish an Annual Work Plan.

The meetings shall be scheduled by the Chairman of the Committee, who shall communicate them to the Secretary of the Committee, so that its members will receive the documentation sufficiently in advance. All of these actions shall be performed bearing in mind that the duties of the Members of the Committee are fundamentally supervisory and advisory, with no involvement in execution or management, which are the responsibility of Senior Management.

The Nominating, Compensation and Corporate Governance Committee shall consult the Chairman of the Board of Directors, particularly with regard to matters involving the Executive Directors and Senior Officers.

Most important activities during the fiscal year and fulfillment of duties.

The primary activities and actions performed by the Nominating, Compensation and Corporate Governance Committee of the Board of Directors of Telefónica, S.A. during fiscal year 2021 have been associated with the powers and functions of such Committee or with legal requirements or with Telefónica's internal regulations. Accordingly, the Nominating, Compensation and Corporate Governance Committee has analyzed and reported on the following issues, among others:

- a) Proposed appointments associated with the Board of Directors of Telefónica, S.A. and its Committees.

In the fiscal year 2021, the Nominating, Compensation and Corporate Governance Committee carried out the following actions:

Thus, at its meeting of January 26, 2021, the Committee reported favourably to the Board of Directors on the proposed appointment of Mr Peter Löscher as a member of the Executive Commission.

At its meeting of February 23, 2021, the Committee reported favourably to the Board of Directors on the proposed appointment of Ms Claudia Sender Ramírez as a member of the Strategy and Innovation Committee, replacing Mr Peter Löscher, who ceased to be a member of this Committee.

Likewise, and in relation to the proposals to be submitted to the company's Ordinary General Meeting in 2021, the Committee, at its meeting of

March 10, 2021, adopted the following resolutions:

- Favourably advise the re-election, for a further period of four years, of the Director Mr José María Álvarez-Pallete López, in the category of Executive Director, and of the Director Mr Ignacio Moreno Martínez, in the category of Proprietary Director.
- Propose the reappointment for a further period of four years, of Board Members Ms Carmen García de Andrés and Mr Francisco José Riberas Mera, in the category of Independent Directors.

Furthermore, at its meeting held on September 28, 2021, the Committee took cognizance of the voluntary resignation to be tendered by Ms Sabina Fluxà Thienemann as Independent Director of Telefónica, S.A. and, consequently, from all her positions on the Board of Directors and Board Committees. Consequently, and in order to fill the vacancy of Ms Sabina Fluxà Thienemann, the Committee proposed to the Company's Board of Directors the appointment of Ms María Rotondo Urcola by co-optation, as Independent Director. At the same meeting, the Committee also reported favourably to the Board of Directors on the proposed appointment of Ms María Rotondo Urcola as a member of the Sustainability and Quality Committee.

Finally, in its meeting on December 14, 2021, the Committee took cognizance of the voluntary resignation to be tendered by Mr Ignacio Moreno Martínez and Mr Jordi Gual Solé from their posts as Proprietary Directors of Telefónica, S.A. and, consequently, from all their posts on the Board of Directors and Board Committees, in order to enable the Company to continue to evolve in the implementation of best practices and recommendations in the field of Corporate Governance with regard to the number and composition of its Board of Directors.

At the same meeting, the Committee also reported favourably to the Board of Directors on the following proposals: (i) To appoint the Independent Director Ms María Luisa García Blanco as member of the Sustainability and Quality Committee; (ii) To appoint the Independent Director Ms María Luisa García Blanco as Chairman of the Sustainability and Quality Committee, replacing the Other External Director Mr Francisco Javier de Paz Mancho, who remains a member of said Committee; (iii) To appoint the Independent

Director Mr Juan Ignacio Cirac Sasturain and the Independent Director Ms Carmen García de Andrés as members of the Regulation and Institutional Affairs Committee; (iv) To appoint Further External Director Mr Francisco Javier de Paz Mancho as Chairman of the Regulation and Institutional Affairs Committee; and (v) To appoint Independent Director Ms María Rotondo Urcola as member of the Audit and Control Committee.

- b) Proposals for the appointment of Directors at the Subsidiaries of the Telefónica Group.
- c) Appointment proposals associated with the Senior Officers and the organizational structure of the Telefónica Group.
- d) The policy and the compensation plan for the Directors and Officers of the Telefónica Group (in terms of fixed and variable compensation and share plans).
- e) The 2020 Corporate Governance Report and Compensation Report.
- f) Report on the amendment of the Regulations of the Board of Directors.
- g) Preparation of the Report on the functioning of the Nominating, Compensation and Corporate Governance Committee.

The Regulation and Institutional Affairs Committee

The Regulation and Institutional Affairs Committee was created by the Board of Directors pursuant to the provisions of article 20.b) of its Regulations and is regulated in article 24 of the Regulations of the Board of Directors.

On the occasion of the amendment of the Regulations of the Board of Directors, made in December 2020, the name of the 'Regulation Committee' has been changed to the current 'Regulation and Institutional Affairs Committee'.

a) Composition.

The Board of Directors determines the number of members of this Committee, which shall in no case be less than three. A majority of its members must be external or non-executive Directors.

The Chairman of the Regulation and Institutional Affairs Committee is appointed from among its members.

As of December 31, 2021, and on the date of this Report, the Regulation and Institutional Affairs Committee was and is composed of the following persons:

Name	Post	Category
Mr. Francisco Javier de Paz Mancho	Chairman	Other External
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Ms. María Luisa García Blanco	Member	Independent
Ms. Carmen García de Andrés	Member	Independent

At its meeting held on December 15, 2021, the Board of Directors agreed to appoint Mr Juan Ignacio Cirac Sasturain and Ms Carmen García de Andrés as members of the Regulation and Institutional Affairs Committee. Likewise, on the same date, the Director Mr. Francisco Javier de Paz Mancho was appointed Chairman of the Regulation and Institutional Affairs Committee.

b) Functions.

Without prejudice to other functions that may be assigned to it by the Board of Directors, the Regulation and Institutional Affairs Committee shall have, at a minimum, the following functions:

- 1) To monitor on a permanent basis the principal regulatory matters and issues affecting the Group at any time, through the study, review and discussion thereof.
- 2) To act as a communication and information channel on regulatory matters between the management team and the Board of Directors and, where appropriate, to advise the Board of Directors of those matters deemed significant to the Company or to any of the companies of the Group in respect of which it is necessary or appropriate to make a decision or adopt a particular strategy.
- 3) To analyze, report and propose to the Board of Directors the principles that should govern the Sponsorship and Patronage Policy of the Group, to engage in the monitoring thereof, and to individually approve sponsorships in an amount or importance that exceeds the threshold set by the Board and which must be approved thereby.

Most important activities during the fiscal year and fulfillment of duties.

During 2021, it held 11 sessions, each lasting an average of two hours.

The main activities and actions carried out by the Regulation and Institutional Affairs Committee during the 2021 financial year were linked to the duties and functions corresponding to this Committee. Thus, the Regulation

and Institutional Affairs Committee has analysed and discussed the following issues, among others:

The regulatory matters that are most important to the Telefónica Group, as reflected in the Regulatory Agenda, all at the global level and at the level of the European Union, by region (Europe and Latin America) and by country. The most significant developments, in terms of the most notable issues on the above-mentioned Regulatory Agenda, are updated at each meeting, as are the specific documents or reports presented to the Committee, when the issue or its circumstances make it advisable.

Update on regulatory authorizations for corporate operations.

The continuous monitoring of the Sponsorship and Patronage Policy, including the sponsorship proposals presented by the Global Sponsorships Office of Telefónica, S.A.

The most relevant institutional milestones of the Telefónica Group with regard to the Company's Institutional Relations.

The Strategy and Innovation Committee

The Strategy and Innovation Committee was created by the Board of Directors pursuant to the provisions of article 20.b) of its Regulations and, since the Board of Directors, at its meeting held on December 16, 2020, approved the amendment to the Regulations of the Board of Directors, it is regulated in article 26 of the Regulations of the Board of Directors.

a) Composition.

The Board of Directors determines the number of members of this Committee which shall in no case be less than three. A majority of its members must be external or non-executive Directors.

The Chairman of the Strategy and Innovation Committee is appointed from among its members.

As of December 31, 2021, and on the date of this Report, the Strategy and Innovation Committee was and is composed of the following persons:

Name	Post	Category
Mr. Peter Erskine	Chairman	Other External
Mr. José María Abril Pérez	Member	Proprietary
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Mr. Verónica Pascual Boé	Member	Independent
Ms. Claudia Sender Ramírez	Member	Independent

On February 24, 2021, the Board of Directors agreed to appoint the Independent Director Ms. Claudia Sender Ramírez as Member of the Strategy and Innovation Committee.

b) Functions.

Without prejudice to other functions that may be assigned to it by the Board of Directors, the Strategy and Innovation Committee shall have, at a minimum, the following functions:

- 1) To support the Board of Directors in the analysis and monitoring of the strategic policy of the Group at the global level.
- 2) To advise and provide support to the Board of Directors on all issues relating to innovation, and to analyze, study and periodically monitor the Company's innovation projects, set standards and provide support to ensure the appropriate implementation and development thereof throughout the Group.

Most important activities during the fiscal year and fulfillment of duties.

Over the course of the 11 meetings held during fiscal year 2021, the Strategy and Innovation Committee has analyzed various issues associated fundamentally with the telecommunications sector, in keeping with the strategic policy of the Telefónica Group and its business.

The Committee has also conducted a periodic follow-up of the Company's innovation projects, providing opinions and support in order to ensure their appropriate implementation and development throughout the Telefónica Group.

The Sustainability and Quality Committee

The Sustainability and Quality Committee was created by the Board of Directors pursuant to the provisions of article 20.b) of its Regulations and is governed by the provisions of article 25 of the Regulations of the Board of Directors.

a) Composition.

The Board of Directors determines the number of members of this Committee, which shall in no case be less than three. All members thereof must be external or non-executive Directors and the majority thereof must be independent Directors.

The Chairman of Sustainability and Quality will be appointed from among its members.

As of December 31, 2021, and on the date of this Report, the Sustainability and Quality Committee was and is composed of the following persons:

Name	Post	Category
Ms. María Luisa García Blanco	Chairman	Independent
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Ms. Carmen García Andrés	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External
Ms. María Rotondo Urcola	Member	Independent
Ms. Claudia Sender Ramírez	Member	Independent

The Board of Directors, at its meeting of September 29, 2021, moved to appoint Ms María Rotondo Urcola as a member of the Sustainability and Quality Committee.

Likewise, the Board of Directors, at its meeting of December 15, 2021, moved to appoint Ms María Luisa García Blanco as a member of the Sustainability and Quality Committee. On the same date Ms María Luisa García Blanco was appointed Chairwoman of the Sustainability and Quality Committee, replacing the Mr Francisco Javier de Paz Mancho, who remains a member of the Committee.

b) Functions.

Without prejudice to other functions that may be assigned to it by the Board of Directors, the Sustainability and Quality Committee shall have, at a minimum, the following functions:

- 1) To supervise and review the strategies and policies of the Company's Responsible Business Policy, including environmental and social issues, ensuring that they are aimed at responding to the expectations of the company's stakeholders and the creation of value, and to propose to the Board of Directors that they be updated and modified when necessary.
- 2) To promote a proactive relationship strategy with our stakeholders: customers, investors, suppliers, employees and society in general, with the purpose of defining the material issues affecting the Company from risk and opportunity perspectives.
- 3) To supervise the impact analyses linked to the Responsible Business strategy and our reputation, both from a business perspective and from the perspective of their impact on society, and in particular Human Rights and the Environment, as well as the legal modifications, recommendations and best business practices, which could have a significant influence for the Telefónica Group in matters of sustainability and reputation.
- 4) To analyze, promote and supervise Telefónica Group's sustainability objectives, action plans and practices in the environmental and social areas, including aspects such as ethical behavior, human rights, the environment and climate change,

responsible management of the supply chain, digital trust and the responsible use of technology, talent and diversity, sustainable customer responsibility, ethical and sustainable products and services and inclusive connectivity, as well as other issues identified as risks or opportunities for the Company in terms of sustainability.

- 5) To ensure that the sustainability practices in the environmental and social areas conform to the strategy that has been determined, and evaluate their degree of compliance through quality indices, ESG, the measurement of reputation and sustainability, among others, making recommendations where necessary to improve the Telefónica Group's management in these fields.
- 6) To ensure that the corporate culture is aligned with its purpose and values with transparency towards its stakeholders.
- 7) Together with the Audit and Control Committee, to know the process of reporting non-financial information in matters of social responsibility and sustainability, which includes the aspects and matters detailed in sections 2), 3) and 4) above in accordance with international benchmarks, as well as the risks relating to those matters.
- 8) Any other matters related to the fields within its competence that are requested by the Board of Directors or its Chairman.

With regard to these functions, and with reference to the issues pertaining to ethics and responsibility, Telefónica wishes to be a significant participant in the communities in which it operates, internalizing within its strategy and its operating methods the impacts of its activities on society and on the environment. Its purpose in this area is to make the world more human by connecting lives, which means that it must always be aware of how it can contribute toward generating a positive impact through its products and services, while taking great care to minimize any negative impacts that its activities might cause. This involves being an ethical and responsible company - a concern that is reflected in Telefónica's strategy and governance.

The Principles of Responsible Business and the Group's Responsible Business Plan reflect, respectively, the ethical framework and the sustainability roadmap, both of which are approved by the Board of Directors, as well as the Group's most relevant policies in this area (see the policies in the chapter on ethics). The Sustainability and Quality Committee also monitors the implementation of the above-mentioned Responsible Business Plan at its monthly meetings.

Furthermore, the Audit and Control Committee plays an important supervisory role in the area of ethics and sustainability, inasmuch as it oversees the Company's

compliance function, the risk analysis and risk management process, and the reporting processes.

The Group's Responsible Business Plan includes goals and projects involving the ethical and responsible management of the Company; respect for human rights; the Customer Promise; commitments to privacy; freedom of expression and information; security; the ethical management of artificial intelligence and the responsible management of technology; sustainable management of the Supply Chain; the strategy for addressing Climate Change and the Environment; the promotion of Diversity; the safety and well-being of our employees; and a business strategy focused on generating products and services that contribute toward addressing the major social and environmental challenges facing society (through sustainable innovation).

Some of the most important goals of the Responsible Business Plan are taken into account for the determination of the variable compensation of the Company's employees.

Therefore, through the Company's governance bodies, the Responsible Business Plan is presented for its:

Approval	BOARD OF DIRECTORS	
Supervision	Sustainability and Quality Committee	Audit and Control Committee
Monitoring	The Responsible Business Office	
Implementation	Corporate Business and Support Areas	Country Obs

The Responsible Business Plan is monitored by the Responsible Business Office, which four times a year brings together the senior managers in the areas of Compliance, Audit, Legal Services, People, Corporate Ethics and Sustainability, Communications, Security, Procurement, Operations, Data & Analytics, Telefónica Tech and Telefónica Infra. This Office reports to the Sustainability and Quality Committee through the head of Corporate Ethics and Sustainability.

The corporate business support areas, on the one hand, and the Executive Committees of the Operators, on the other hand, handle the implementation of the goals set out in the Responsible Business Plan.

Most important activities during the fiscal year and fulfillment of duties.

Over the course of the 10 meetings held during fiscal year 2021, the Sustainability and Quality Committee has analyzed the quality indices for the principal services provided by the companies within the Telefónica Group, evaluated the levels of commercial service given to customers by those companies, and has analyzed the Corporate Social Reputation of the Telefónica Group, including the most relevant issues in terms of Sustainability (ethical behavior, sustainable innovation,

digital trust, the supply chain, talent and diversity management, customers, the environment and climate change), including Responsible Business Plans and the Integrated Annual Report.

Evaluation of the Board and of its Committees

Once a year, all of the Company's Directors evaluate the performance of the Board of Directors of Telefónica, S.A., of its Committees and of the General Shareholders' Meeting. Furthermore, every three years such evaluation is carried out with the assistance of an external consultant, whose independence is verified by the Nominating, Compensation and Corporate Governance Committee. Thus, the evaluation of the Board of Directors for the financial year 2017 was carried out with the assistance of the external consultant Villafañe & Asociados Consultores, the evaluations of the financial years 2018 and 2019 were carried out internally by the Company, without assistance of an external consultant, and for the evaluation corresponding to the financial year 2020, the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, has had the support, as an external advisor, of the consulting firm Egon Zehnder; and the assessment for the 2021 financial year has been carried out internally by the Company, without the support of an external advisor.

Specifically, at the end of the 2021 financial year, all Directors were given a questionnaire to carry out the evaluation process for that year.

The questionnaire contained a wide range of questions grouped under the following headings:

The Board of Directors: Composition, Function and Powers, expressly including the adequacy of the performance and contribution of i) each Director on the Board of Directors, ii) the Chairman of the Board, iii) the Lead Independent Director, and iv) the Secretary of the Board.

Committees of the Board of Directors: Composition, Function and Powers, expressly including the performance and input of i) the Committee Chairs, and ii) the Secretariat for these Committees.

Rights and Duties of Directors.

Stakeholders General Shareholders' Meeting.

Suggestions and Comments.

The Nominating, Compensation and Corporate Governance Committee, at its meeting held on January 25, 2022, reviewed and analysed the results of this evaluation, concluding that, in general, the aspects related to the Board of Directors, Committees and General Meeting had been highly valued and were considered optimal and competent on the whole.

However, as a result of this evaluation, and in order to continue improving the functioning of the company's corporate governance system, certain areas for optimisation were identified, in view of which, and after a detailed examination and analysis of the results achieved, the Board of Directors, at the proposal of the Appointments, Remunerations and Corporate Governance Committee, at its meeting of January 26, 2022, established an Action Plan for the implementation of the following suggestions and recommendations:

In accordance with the process already initiated by the company, the analysis of the composition of the Board of Directors and the application of the Diversity Policy will continue to be promoted, both in terms of gender and profile.

Work will also continue on optimising the process of making the documentation of Board and Committee meetings available to the Directors, so that it is made available, whenever possible, at an earlier date.

Finally, work will continue on the realisation and implementation of all training actions considered appropriate.

4.4.2. Management Team

As regards the Company's Executive Committee, its composition as of December 31, 2021 is shown below:



4.5. Transactions with Related Parties and Conflicts of Interest

4.5.1. Transactions with Related Parties

The procedure for approval of related-party and intragroup transactions

As mentioned above, the Board of Directors, at its meeting held on June 29 and 30, 2021, and at the proposal of the Nominating, Compensation and Corporate Governance Committee, approved the partial amendment of the company's Board of Directors' Regulations which basically consists of adapting them to the novelties of Law 5/2021 of April 12, which amends the revised text of the Capital Companies Act and other financial regulations with regard to the promotion of long-term shareholder involvement in listed companies (Law 5/2021). Specifically, the Board of Directors' Regulations were adapted to the amendments introduced by Law 5/2021 to the regime of related-party transactions applicable to listed companies.

Likewise, the Board of Directors, at its aforementioned meeting held on June 29 and 30, 2021, approved, in coordination with the aforementioned amendment of the Board of Directors' Regulations, to partially amend the Regulations of the Audit and Control Committee, in order to incorporate the changes introduced in the Board of Directors' Regulations.

Following the aforementioned amendment, Article 5.4 of the Board of Directors' Regulations includes the following non-delegable powers of the Board, among others:

The approval, subject to a report from the Audit and Control Committee, of related-party transactions under the terms established in Article 39 of these Regulations, unless its approval corresponds to the General Meeting.

The Company's Board of Directors may delegate the approval of transactions between companies forming part of its group that are carried out within the scope of ordinary management and under market conditions, as well as transactions entered into under contracts whose standard conditions are applied en masse to a large number of customers, carried out at prices or rates established on a general basis, and whose amount does not exceed 0.5% of the net turnover of the company, determined in accordance with the rules of calculation laid down in the Law.

In this regard, and in accordance with the provisions of article 31.f) of the Board of Directors' Regulations, no Director may directly or indirectly carry out professional or commercial operations or transactions with the company or with any of the companies of its group, when such operations or transactions are outside the ordinary course of business or are not carried out under market

conditions, except for those operations or transactions that are authorised by the company under the terms provided for in the regime on related-party transactions established by law, in the Articles of Association, and in these Regulations.

Article 39 of the Board of Directors' Regulations establishes the following with regard to the regime on related-party transactions:

1. *The Board of Directors, subject to a favourable report from the Audit and Control Committee, shall approve transactions that the company or its subsidiaries carry out with directors, shareholders holding 10% or more of the voting rights or represented on the company's Board of Directors, or any other persons who should be considered related parties under the terms of the law, provided that, under current legislation, they are considered to be related party transactions, and unless their approval corresponds to the General Shareholders' Meeting. This power cannot be delegated, except in the cases and under the terms provided for in the law and in Article 5.4 of these Regulations.*
2. *In relation to the adoption of the motion to approve related-party transactions whose competence corresponds to the Board of Directors and has not been delegated, the Director involved or the Director representing or related to the shareholder involved must abstain from participating in the deliberation and voting in accordance with the provisions of the law.*
3. *In the event that the Board of Directors delegates the approval of related-party transactions in accordance with the provisions of the law and Article 5.4 of these Regulations, the Board of Directors itself shall establish an internal procedure of information and periodic control in relation thereto, in which the Audit and Control Committee shall intervene, in order to verify the fairness and transparency of these transactions and, where appropriate, compliance with the applicable legal criteria. The approval of such transactions shall not require a prior report from the Audit and Control Committee.*
4. *In relation to related-party transactions whose approval depends on the General Meeting, the proposed motion for approval adopted by the Board of Directors shall be submitted to the General Meeting with an indication as to whether it has been approved by the Board of*

Directors with or without the majority of the independent Directors voting against.

Likewise, Article 4, section xiv) of the current Regulations of the Audit and Control Committee establishes, among the competencies of this Committee, the following:

Report on related party transactions to be approved by the General Meeting or the Board of Directors and supervise the internal procedure established by the Company for those transactions whose approval has been delegated by the Board of Directors, as the case may be.

In relation to the above, and within the framework of the aforementioned regulation, the Board of Directors of the Company, at its meeting held on June 29 and 30, 2021, following a favourable report from the Audit and Control Committee, moved to establish a generic delegation for the approval of all related-party transactions that are so allowed, that is:

- a. Intra-group transactions (companies subject to a potential conflict of interest) that are carried out in the ordinary course of business and on an arm's length basis; and
- b. Transactions which are concluded under contracts whose standardised conditions are applied *en masse* to a large number of customers, made at general prices or rates, and whose amount does not exceed 0.5% of the company's net turnover.

Such delegation was made to the bodies or persons who, in accordance with the general powers of attorney in force at any given moment and the internal contracting regulations of Telefónica, S.A. and the other applicable companies in its group, and in accordance with the functions they perform within the Telefónica Group (such as financing, telecommunications services and all those derived from the ordinary business of the group), have the powers to carry out such delegation.

The approval of the related-party transactions referred to in the aforementioned motion of the Board of Directors does not require a prior report from the Audit and Control Committee, although such transactions must be reported half-yearly to the Audit and Control Committee and the Board of Directors in order to verify the fairness and transparency of such transactions and, where appropriate, compliance with the applicable legal criteria.

During fiscal year 2021 neither Telefónica, S.A. nor any company in its Group has carried out transactions with any member of the Board of Directors or with any member of senior management other than those derived from the Group's ordinary business or traffic, except as indicated in the following paragraph in respect of transactions with parties related to Directors.

In relation to the above, the significant and relevant transactions carried out by companies of the Telefónica Group with related parties are included in [Note 11 \(Related Parties\)](#) and in [Note 10 \(Associates and joint ventures\)](#) of the Consolidated Annual Accounts of Telefónica, S.A. of

Telefónica, S.A. corresponding to fiscal year 2021, as in [Section D of the Statistical Annex of the Annual Corporate Governance Report](#).

4.5.2. Conflicts of Interest GRI 102-25

Company policy establishes the following principles governing possible conflicts of interest that may affect directors, senior executives or significant shareholders:

Moreover, and in accordance with the provisions set out in the Regulations of the Board, Directors shall refrain from participating in votes that affect matters in which they or persons related to them have a direct or indirect interest.

It is also established that Directors may not directly or indirectly carry out professional or commercial operations or transactions with the company or with any of the companies of its group, when such operations or transactions are outside the ordinary course of business or are not carried out under market conditions, except for those operations or transactions that are authorised by the company under the terms provided for in the regime on related-party transactions established by law, in the Articles of Association and in the Regulations of the Board of Directors (regime described in section 4.5.1. above).

Directors must also report with respect to themselves as well as the persons related thereto (a) the direct or indirect interests held by them and (b) the offices held or duties performed at any company that is in a situation of actual competition with the Company.

For purposes of the provisions of this paragraph, the following shall not be deemed to be in a situation of actual competition with the Company, even if they have the same or a similar or complementary corporate purpose: (i) companies controlled thereby (within the meaning of Article 42 of the Commercial Code); and (ii) companies with which Telefónica, S.A. has established a strategic alliance. Likewise, for purposes of the provisions hereof, proprietary directors of competitor companies appointed at the request of the Company or in consideration of the Company's interest in the capital thereof shall not be deemed to be in a situation of prohibition of competition.

Transactions arising from the duty of loyalty and its exemption regime shall also be subject to prevailing laws.

With regard to significant shareholders, Article 39 of the Board Regulations establishes that the Board of Directors, following a favourable report from the Audit and Control Committee, shall approve transactions that the company or its subsidiaries carry out with shareholders holding 10% or more of the voting rights or represented on the Company's Board of Directors,

provided that, under current legislation, they are considered to be related-party transactions, and unless their approval corresponds to the General Shareholders' Meeting. This power cannot be delegated, except in the cases and under the terms provided by law and in Article 5.4 of the Company's Board of Directors' Regulations, as described in section 4.5.1 above.

With respect to Senior Executives, the Internal Code of Conduct for Securities Markets Issues, updated on May 6, 2020, sets out the general principles of conduct for the persons subject to the said regulations who are involved in a conflict of interest. The aforementioned Code includes all the Company's management personnel within the concept of affected persons.

In accordance with that established in this Regulation, the People with Management Responsibilities, their Administrative Personnel and the managers or employees of Telefónica Group who have Privileged Information, or participate or have access to or knowledge of a Confidential Operation (as defined in the previous terms of the internal conduct regulations regarding Stock Markets) have the obligation to (a) remain loyal to the Group and its shareholders at all times, regardless of his/her own or other's interests; (b) refrain from intervening in or influencing decision making that could affect persons or companies with which there is conflict; and (c) refrain from accessing information classified as confidential that affects said conflict. Additionally, these people (except for the members of the Company Board of Directors who will be governed in terms of communicating conflicts under the standards established in the regulation of the Board of Directors) have the obligation to make the Company aware of these situations, by means of the computer system established by Telefónica for this purpose, as soon as possible, that would potentially entail the manifestation of conflicts of interest because of its activities outside the Telefónica Group, its family relationships, its personal assets or any other reason with: (a) financial intermediaries operating with the Group Telefónica; (b) professional or institutional investors who have a significant relationship with the Group Telefónica; (c) suppliers of significant equipment or material; or (d) professional service providers or External Advisors.

Telefónica, S.A. is the only company of the Telefónica Group that is listed in Spain, so it is not necessary to have defined the specific mechanisms that would be applied to resolve possible conflicts of interest with subsidiaries listed in Spain.

Based on the information provided above, it is also noted that Telefónica, S.A. is not controlled by another entity within the meaning of Article 42 of the Commercial Code.

4.7. Risk Control and Management Systems

See chapter 3 ("Risks") of the 2021 Consolidated Management Report of Telefónica, S.A.

4.7. Internal Risk Control and Management Systems in relation to the Financial Information System (ICFR)

4.7.1. Control Environment

Responsible bodies

The Board of Directors is, in accordance with Laws and the Bylaws, the highest administrative and representative body of the Company, and basically consists of a supervisory and control body, while the executive bodies and management team are responsible for the day-to-day management of the Company's businesses.

Telefónica's Board of Directors is ultimately responsible for the supervision of the Company's internal information and control systems, including the Internal Control System for Financial Information (ICFR).

The Bylaws and Regulations of the Board of Directors of the Company state that the primary duty of the Audit and Control Committee of Telefónica, S.A. shall be to support the Board of Directors in its supervisory duties, highlighting, among others, the following powers:

- i. Submitting to the Board of Directors proposals for the selection, appointment, re-election and replacement of the external auditor, being responsible for the selection process in accordance with the provisions of the Law, as well as the conditions of their engagement, and regularly collecting information from the auditor regarding the audit plan and its execution, in addition to preserving its independence in the exercise of its functions.
- ii. To supervise the internal audit, ensuring the proper functioning of the information and internal control systems which will functionally report to the Chairman of the Audit and Control Committee and, in particular:
 - a. Ensure the independence and effectiveness of the internal audit function;
 - b. Propose the selection, appointment and removal of the head of the Internal Audit service;
 - c. Propose the budget for that service;
 - d. Approve the guidelines and the annual work plan, ensuring that its activity is mainly focused on relevant risks (including reputational risks)

- e. Review the annual activity report;
 - f. Receive periodic information on its activities, the execution of the annual work plan, including possible incidents and limitations as and when they occur in its development as well as on the results and monitoring of its recommendations; and
 - g. Verify that senior management takes into account the conclusions and recommendations of its reports.
- iii. Supervise and evaluate the process of preparation, presentation and completeness of the mandatory financial information regarding the Company and the Group, and submit recommendations and proposals to the Board of Directors aimed at safeguarding integrity. In relation to this, it is responsible for supervising:
 - The correct design and operation of the controls on the breakdown and the procedures of the process for preparing the financial information, revealing any material information regarding that reporting process of the Group.
 - The environment of internal control over the financial reporting, with the objective of providing, faced with third parties, reasonable assurance regarding the reliability in the process for reporting and preparing the financial information according to accounting standards.
 - Any significant change that affects the internal control system of the financial reporting process in a material way, and which has occurred during the annual assessment period.
 - Compliance with regulatory requirements, adequate delimitation of the consolidation perimeter, and the correct application of the accounting criteria, giving account to the Board of Directors.
 - iv. Supervise and evaluate the process of preparation, presentation and integrity of the mandatory financial and non-financial information of the Company and the Group and to present recommendations and

proposals to the Board of Directors with the intention of safeguarding its integrity. In this regard, it will review compliance with the regulatory standards, the appropriate delimitation of the scope of consolidation, reporting to the Board of Directors.

- v. Ensure that the annual accounts presented by the Board of Directors to the General Shareholders' Meeting are prepared in accordance with accounting standards. Notwithstanding the foregoing, in cases in which the Auditor has included any exceptions in its audit report, the Chairman of the Audit and Control Committee shall clearly explain the Committee's opinion on its content and scope at the General Meeting. Similarly, a summary of this opinion will also be made available to shareholders at the time of the publication of the call of the General Meeting.
- vi. Supervise the effectiveness of the Company's internal control, in particular, ensuring that the policies and systems established in the field of internal control are effectively implemented in practice, as well as the internal audit and the financial and non-financial risk management and control systems relating to the Company and the Group (including operational, technological, legal, social, environmental, political, reputational or corruption-related risks) as well as discuss with the Account Auditor the significant design and operating weaknesses of the controls over financial information reporting detected in the development of the audit, and do all of this without breaking their independence. For those purposes, where applicable, it may submit recommendations or proposals to the Board of Directors and the corresponding deadline for their follow-up. With regard to this, the Board of Directors is responsible for proposing the Policy on Risk Control and Management, which will identify, at least:
 - a. The various types of financial and non-financial risks (including operational, technological, legal, social, environmental, political and reputational risks, including those related to corruption) faced by the Company, including among those classed as financial or economic risks, contingent liabilities and any other off-balance sheet risks.
 - b. A risk control and management model based on various levels, which will include a specialised risk committee where sectoral rules so provide for it or where the Company deems it appropriate.
 - c. Setting of the risk level which the Company considers acceptable.
 - d. the planned measures for mitigating the impact of the identified risks should they materialise; and
 - e. The internal control and reporting systems to be employed to control and manage those risks,

including contingent liabilities and any other off-balance sheet risks.

- vii. Supervise the risk management and control department, which will perform the following duties:
 - a. Ensure the proper functioning of risk control and management systems and, in particular, that all significant risks affecting the Company are appropriately identified, managed and quantified.
 - b. Actively participate in the development of the risk strategy and in major risk-management decisions; and
 - c. To ensure that the risk control and management systems adequately mitigate the risks within the framework of the policy defined by the Board of Directors.
- viii. Establish and supervise a mechanism that allows employees and other people related to the Company, such as directors, shareholders, suppliers, contractors or subcontractors to communicate, confidentially and anonymously, any potentially important irregularities, including financial and accounting ones, or of any other nature, related to the Company, that they may notice within the Company or its Group, whilst respecting the rights of the whistleblower as well as of the person being reported.
- ix. Establish and maintain the opportune relations with the Account Auditor to receive information on those issues that may be a threat to the independence of the Auditor, for examination by the Committee, and any other related to the process of developing the audit of accounts, and, when applicable, the authorization of services other than those prohibited, in the terms stated in the applicable legislation, as well as other communications expected in the legislation on audit of accounts, and in the auditing standards. In any case, the Audit and Control Committee shall receive annually from the Account Auditor the declaration of its independence in relation to the Company or entities linked to it directly or indirectly, as well as the detailed and individualized information of the additional services of any type provided and the corresponding fees received from these entities by the aforementioned Auditor, or by the persons or entities linked to them in accordance with the provisions of current regulations.
- x. On an annual basis, prior to the issuance of the account audit report, issue a report expressing an opinion on whether the Account Auditor's independence is compromised. This report must conclude, in any case, on the reasoned assessment of the rendering of each and every one of the additional services referred to in point vi above, individually considered and as a whole, other than the legal audit and in relation to the independence regime or with

the regulations governing the activity of the account audit.

xi. To preserve the independence of the Accounts Auditor in the performance of their duties and, in this regard: (i) in the event of the Accounts Auditor resigning, to examine the circumstances that may have led do it; (ii) to ensure that the remuneration of the Auditor for their work does not compromise their quality or independence; (iii) to supervise that the Company notifies the change of auditor through the National Securities Market Commission and accompanies it with a statement on any possible existence of disagreements with the outgoing auditor and, if so, to disclose the details; (iv) to ensure that the Auditor holds an annual meeting with the Board of Directors in order to report it on the work performed and on the evolution of the Company's accounting and risk situation; and (v) ensure that the Company and the Auditor comply with current regulations on the provision of non-audit services, the limits on the concentration of the auditor's business and, in general, other regulations on auditor independence.

xii. Analyse and report the economic conditions, the accounting impact and, if applicable, the exchange ratio proposed for the operations of structural and corporate modifications that the Company plans to carry out, before being submitted to the Board of Directors.

xiii. Inform, in advance, the Board of Directors, on all matters stated in the Law and the Bylaws, and, in particular, on:

1. The financial information that the Company must periodically publish; and
2. The creation or acquisition of participations in special purpose entities or domiciled in countries or territories that are considered tax havens.

xiv. Report the related operations to be approved by the General Shareholders' Meeting or the Board of Directors and supervise the internal procedure established by the Company for those whose approval has been delegated by the Board of Directors.

xv. Supervise the application of the general policy relating to the communication of economic-financial, non-financial and corporate information, as well as communication with shareholders and investors, voting members and other stakeholders, monitoring the way in which the Company communicates and relates to small and medium-sized shareholders, in all aspects which fall within the responsibilities of this Committee.

xvi. Exercise, with regard to companies of its Group which are considered Public Interest Entities (as they are defined in the current legislation) as approved by the

Board of Directors, provided that they are fully owned, directly or indirectly, by the Company, in accordance with the provisions of current legislation, and which are not attributed to a Board of Directors, all the functions of the Audit Committee contemplated at any time by current legislation.

The provisions above are understood without prejudice to the regulations governing the audit of accounts.

According to the Regulation of the Board of Directors, the periodicity of the sessions of the Audit and Control Committee must be, at least, quarterly. In practice, the Committee meets, approximately, 13 times a year.

In order to perform this supervisory function, the Audit and Control Committee has the support of the entire Company Management, including Internal Audit, which sets up as an independent area in the management of the Company, which supports the Audit and Control Committee in its competencies on assurance, risk management, and the internal control system. For this purpose, Internal Audit applies a systematic and disciplined approach by the following main lines of action:

Coordination and review of the consistency of the Internal Regulation Framework of the Telefónica Group;

Coordination and supervision of the Risk Management System;

Ongoing audit activities;

Supervision of controls on fund outflows;

Specific reviews or audits on the Company processes. Among these activities, the following, at least, are included:

- a. Assessment on the internal control over financial reporting, required by the Sarbanes-Oxley Act of 2002, to companies listed in the United States of America which also serves to cover the assessment on the System for the Internal Control over financial reporting (ICFR) for companies listed in Spain.
- b. Audits on the efficiency and effectiveness of the design and execution of the controls in processes, including the preparation and reporting of non-financial information; and
- c. Other audits and compliance reviews across the Telefónica Group.

Specific reviews or audits both on the operating and the functionality and design, as well as on the security of technologies, in elements of the four technological platforms of the Group: (1) Network infrastructure and assets, (2) infrastructures and assets of the Information Systems, (3) Products and Services, and (4) Big Data and "4th Platform for data", as well as over

cybersecurity controls of the Group, both at the external and internal perimeter of the mentioned technological platforms.

Audits related to facts reported through the Whistleblowing Channel, including, where applicable, the identification of improvements in the design of internal controls in the processes analysed during these tasks.

Perform other specific audits or reviews, of interest for the Board of Directors or the Management of the Company.

All the different areas and functional units of the Telefónica Group are relevant for the internal control over financial reporting (ICFR), the Finance and Control area playing a key role, as they are responsible for preparing, maintaining and updating the different procedures that govern their operations, these procedures identify the tasks to be carried out, as well as the persons in charge for executing these tasks.

Departments and/or mechanisms in charge of: (i) the design and review of the organisational structure; (ii) defining clearly the lines of responsibility and authority, with an appropriate distribution of tasks and functions; and (iii) sufficient procedures so this structure is communicated effectively throughout the Company.

The People Management department carries out the deployment of the organisational structure in the respective fields within the framework of the decisions taken by the Board of Directors of the Company.

The financial-accounting information system in the Telefónica Group is regulated through several manuals, instructions and internal rules and regulations, internally made available, the most noteworthy of which are the following:

Corporate Regulation on the Recording, Communication and Control of Financial-Accounting Information of the Telefónica Group, which sets out the basic principles of the financial-accounting information system of the Group, as well as the procedures and mechanisms in place to supervise this system.

Manual of Accounting Policies, which includes the accounting standards applicable to the reporting of the companies of the Telefónica Group for the preparation of the consolidated financial information. The Manual of Accounting Policies is based on IFRS (International Financial Reporting Standards), specifically, on the set of regulations and interpretations in force published by the IASB at all times.

Reporting instructions, which are published on a quarterly basis and have as purpose to establish the procedures and calendar to be followed by all the companies of the Telefónica Group in the reporting of the financial-accounting information and the external audit in order to comply with the legal and informational obligations of the Telefónica Group.

Manual for the Filling in of the Consolidation Reporting of the Telefónica Group, which is updated, at least, annually and establishes specific instructions to fill in the reporting forms necessary for the preparation of consolidated annual accounts and interim consolidated financial information. This documentation is available to the entire Group, within the Telefónica Intranet, in an integrated Accounting and Reporting portal.

Annual calendar of financial-accounting information, applicable to all Telefónica Group companies to establish from the start of the year the monthly deadlines for reporting the financial-accounting information.

Corporate Accounting Plan ("PCC"), which is permanently updated on the previously mentioned internal portal and includes the list of accounts, their content, and the corresponding accounting movements. The PCC intends to homogenise the sources of financial information included in the accounts of the companies of the Telefónica Group.

Corporate Regulation on Intragroup Operations, mandatory for all companies in the Telefónica Group, and whose purpose is to recast in a specific regulation the mandatory compliance criteria with regard to the accounting recording and payment of transactions between companies in the Group.

Code of conduct, approving body, dissemination and instruction degree, included principles and values (stating whether there are specific mentions to the recording of operations and the preparation of financial information), body in charge of analysing non-compliance and proposing corrective or disciplinary actions.

With regards to the Code of Conduct, the Board of Directors of Telefónica approved the Business Principles, that are applied in a homogeneous manner in all countries where the Telefónica Group operates and apply to all its employees (the Business Principles affect at all levels of the organisation, directors and non-directors) and they include commitments in matters of privacy and security, compliance and fiscal transparency, responsible communication and protection of minor stockholders, among others.

The Business Principles emanate from three basic values: integrity, commitment and transparency, which are essential values to foster the trust relationship that Telefónica wants to have with its groups of interest.

Regarding the financial information, the following principles are set:

Transparency of the information: we shall provide, immediately and without discrimination, all the relevant information. We are aware of the importance for all our groups of interest to share true, complete, timely and clear information in the reports registered with the relevant Supervising Bodies of the Securities Markets, as well as in other public communications of the Company.

Privileged Information: we abstain from using, in our own profit or that of third parties, any privileged information, safeguarding the confidentiality and establishing the controls and processes legally required by the Supervising Bodies of the Securities Markets in all the actions related to these markets.

The Business Principles are available for all employees at the Intranet, there are procedures to update, monitor adherence to and disseminate these Business Principles in the Telefónica Group. Likewise, training programmes are also periodically established to ensure employees are aware of these principles.

In this regard, Telefónica has a Corporate Policy on the Comprehensive Discipline Program that aims to define the basic principles of the Group's disciplinary system and that provides that all employees must receive a homogeneous, objective, proportional and non-arbitrary treatment, without prejudice to and with absolute respect for the legislation and other regulations that are applicable in each case to the Group companies in the different countries in which it operates.

Telefónica has the Business Principles Office, composed of senior representatives from the areas of Corporate Sustainability, General Secretariat and Regulation, People Management, Internal Audit, Operations, Purchasing, Compliance, Security, Global Consumer, Communication, Telefónica Tech and Telefónica Infra. This Office monitors the responsible Business Plan and reports to the Sustainability and Quality Committee, through the head of Corporate Ethics and Sustainability. Among the responsibilities of this Office, the following stand out:

Ensure that Telefónica develops its business in an ethical and responsible manner, through the monitoring and implementation of the Responsible Business Plan (which derived from the Company's Strategic Plan). This Plan includes objectives and projects related to the ethical and responsible management of the company, the respect for Human Rights, the Customer Promise, our commitments regarding Privacy, Freedom of Expression and Information, Security, ethical management of Artificial Intelligence and responsible management of technology, a sustainable management of the Supply Chain, the Climate Change and Environment strategy, the promotion of Diversity, the safety and welfare of our employees and a business strategy focused in generating products and services

that contribute to addressing the great social and environmental challenges of society (digital inclusion, P&S offerings that generate positive social and environmental impact, sustainable innovation).

Propose and supervise initiatives and measures that contribute to compliance with the Business Principles in the Group.

Analyse any matter or proposal that takes place in the Group that could represent a risk for the compliance with the Business Principles and associated policies.

On a different issue, in case of being aware of any conduct which contravenes what is established by the Law, by the Business Principles or by other valid internal regulations, after proper analysis, disciplinary measures will be applied in accordance with the regime established in the applicable labour legislation, distinguishing between minor, serious and very serious sanctions, depending on the circumstances.

Telefónica also has an "Internal Code of Conduct" for matters relating to Securities Markets, last modified on May 6, 2020, which sets out the general guidelines and principles of conduct to be followed by persons affected by securities and financial instrument operations issued by the Company or its subsidiary Companies.

Whistle-blowing Channel, which enables to inform the Audit and Control Committee about any irregularities of a financial and accounting nature, as well as eventual breaches of the code of conduct and irregular activities in the organisation, informing, where applicable, about a confidential nature and whether it allows for anonymous communications, respecting the rights of the whistle-blower and the reported party.

With regard to the Whistle-Blowing Channel, as specified in Article 22 of Telefónica, S.A.'s Regulations for the Board of Directors, and in Article 4 of Regulation for the Audit and Control Committee, this Committee has as competency: "establishing and supervising a mechanism that allows employees and other people related to the Company, such as Board Members, shareholders, suppliers, contractors or subcontractors to communicate, in a confidential and anonymous manner, respecting the rights of the whistle-blower and the reported party, irregularities of potential significance, including financial and accounting ones, or of any other nature, related to the Company, detected within the Company or its Group."

The Telefónica Group has a Policy of Management of the Whistleblowing Channel where the bases of the management of the Whistleblowing Channel of the Telefónica Group are set, through which employees, directors and Board members of the Telefónica Group can communicate confidentially and, where appropriate, anonymously, any information they become aware of, by

any means -formal or not- about the existence of any possible irregularity, any act contrary to legality or internal regulations, also including eventual irregularities referring to accounting matters, issues related to auditing and/or aspects related to the internal control over financial reporting, in compliance with section 301 of the Sarbanes-Oxley Act, of 2002, of the United States of America and other regulatory requirements in this sense.

When managing the Whistleblowing Channel it is mandatory to apply the confidentiality principles to data provided and declarations made, and also the principles of respect and legal basis; so that any decision adopted after receiving a complaint will be reasoned, proportionate and will consider the circumstances of the facts denounced, always with full respect to the rights and the due guarantees for the whistle-blower and the persons affected, if any.

In listed Companies, the Audit and Control Committee of the Board of Directors of the corresponding company, through Internal Audit, where appropriate, is informed both about complaints regarding matters related to accounting aspects, to audit issues, to internal controls over financial information and / or all those issues referred to in the Sarbanes-Oxley Act, including any fraud, material or not, that affects the Management, or any other employee of the listed Company, who has a relevant role in the internal control of the financial information reporting process, and it is also informed about the result of the managing derived from the audit of these cases.

Internal Audit periodically informs the Audit and Control Committee about the activity related to the Whistleblowing Channel. In this sense, this Audit and Control Committee receives periodic information on all relevant complaints received in the Group, and in particular, on complaints related to deficiencies in internal control over financial reporting, if applicable.

Periodic training and updating courses for personnel involved in the preparation and review of financial information, as well as ICFR assessment, which cover, at least, accounting rules, auditing, internal control and risk management.

The Consolidation and Accounting Policies Area develops specific training actions, as well as updating seminars addressed to all personnel in the financial areas and other affected areas of the Group (Tax, M&A, etc.), with the aim of making known those changes which, from an accounting and financial point of view, are relevant for the preparation of the consolidated financial information.

This Area also publishes updated Information Bulletins on IFRS (International Financial Reporting Standards) where to present a summary of the main changes in accounting matters, as well as clarifications on various aspects that may arise in this matter.

The Telefónica Group has also a training platform included in the corporate People management tool, which includes both a Finance School, with specific knowledge and updating programs in financial information matters and an internal control training program that includes training related to auditing, internal control and risk management.

In addition, it should be noted that based on the relevance of any new accounting developments, the staff of the departments involved in financial reporting attend (when possible and/or necessary) technical sessions given by external companies, related to the main developments in accounting.

Finally, in 2007, the Corporate University of Telefónica "Universitas Telefónica" started its activity, with the objective of contributing to the Telefónica Group's progress through the ongoing development of its professionals. All the programs in the training offer of the University of Telefónica are based on the development of the corporate culture, the business strategy and management and leadership competences.

4.7.2. Risk Assessment of Financial Information

Main characteristics of the risk identification process.

Given the width of the universe of processes with impact on financial reporting at the Telefónica Group, a model has been developed to select the most significant processes based on applying the so-called Scope Definition Model, which is a part of the Audit Methodology on the Group's Internal Control over Financial Information. This model is applied to the financial information reported by subsidiaries and associate companies. The model selects the significant accounts, i.e., those accounts with the largest contribution to the Group's consolidated financial information and, subsequently, identifies the relevant processes which generate the information of those accounts. Once the relevant processes have been identified, an analysis is made on those processes that have a more relevant impact on significant accounts, reviewing the effectiveness of the design and operating of the key controls which address the main associated risks or "objectives of financial information" (also named financial premises).

The aforementioned procedure for identifying and reviewing the key controls covers the objectives of the financial information (also named financial premises) of accuracy, valuation, integrity, cut-off of operations, existence / occurrence, presentation and comparability, as well as breakdown, and rights and obligations. This identification of the key controls, aimed at addressing the aforementioned financial premises of the significant accounts and relevant processes in scope, is carried out annually, continuously verifying during the period that no

event has taken place so as to determine a modification thereof.

With regard to the process for identifying the company perimeter, the Finance and Control Office carries out, in a periodic manner, an update on its consolidation perimeter, verifying additions and removals of companies with the legal and financial departments of the different companies which are part of the Group, including the corporate departments.

Telefónica constantly monitors the most significant risks that could affect the main companies that make up its Group. For that purpose the Company has a Risk Management Corporate Model based on COSO (Committee of Sponsoring Organizations of the Treadway Commission). It is implemented in a homogeneous manner in the main operations of the Group, so that the persons responsible for the Company, in their field of action, carry out a timely identification, assessment, response and monitoring of the main risks. Telefónica's risk management is integrated into the planning process and is aligned with the Company's strategy, in line with the requirements of COSO ERM 2017, "Enterprise Risk Management - Integrating with Strategy and Performance".

The process for the control and management of risks takes as a reference starting point the strategy and objectives of the Company, as a basis for the identification of the main risks that might affect its attainment. Once identified, the risks are assessed considering both the economic and reputational impact, as well as their potential impact on compliance, with a view to prioritising their monitoring and response to them, either through mitigation plans or through actions to avoid or transfer those risks.

In order to have an integral model, oriented to the needs and the own configuration of the Group, the Model of Telefónica considers a risk assessment with four complementary perspectives: Top-down, Bottom-up and cross (in projects and by processes).

According to this Model, and based on the references and practices recognised in risk management, four risk categories have been defined:

Business: risks related to the sector and especially to the Company's strategy, such as adaptation to the customer's mentality, technological innovation, competition, the regulatory framework, privacy, as well as those arising from events affecting the sustainability and reputation of the Company.

Operational: risks derived from events caused by the inadequacy or failures from the networks or computing systems, security, customer service, human resources, as well as operating management.

Financial: risks derived from adverse movements in the economic environment or in financial variables, and from the inability of the Company to face its

commitments or to liquidate its assets, including tax issues.

Legal and regulatory compliance: risks related to litigation and regulatory compliance, including compliance with anti-corruption legislation.

The Board of Directors of Telefónica, S.A., through the Audit and Control Committee, is the entity's governing body that supervises the process, as defined in Article 22 of the Regulation of the Board of Directors of Telefónica, S.A.

4.7.3. Control Activities

Procedures for reviewing and authorizing the financial information

The Board of Directors of Telefónica, S.A. approved, on December 16, 2020, an update of the "Regulations Governing Disclosure and Reporting to the Markets" (RCIM). This regulation regulates the basic principles of functioning of the financial disclosure control processes and systems for reporting economic-financial, non-financial and corporate information, through which to aim at guaranteeing that the Company's relevant or privileged information is known by the markets, investors and other stakeholders, thus maximising the disclosure and quality of this information, and ensuring that the mechanisms required to perform regular evaluations of the functioning of these processes and systems are established.

On a quarterly basis, the Consolidation and Accounting Polices Department (which forms part of the Finance and Control Department) of Telefónica submits to the Audit and Control Committee the periodic financial information, highlighting the main events occurred and the accounting criteria applied in its preparation, clarifying those aspects of major importance occurred during the period

Likewise, the Telefónica Group has documented economic-financial processes in place which enable that the criteria for preparing financial information are common, both in the companies of the Group and in those activities that are outsourced, if any.

Likewise, the Company follows documented procedures for preparing the consolidated financial information, so that the persons responsible for the different areas involved verify this information.

Additionally, in accordance with internal regulations, the Executive Chairmen or Chief Executive Officers and the Finance Directors of the companies of the Group must submit to the Consolidation and Accounting Policies Office an annual certificate stating to have reviewed the financial information presented, stating that the financial statements submitted represent faithfully, in all their relevant aspects, the financial situation, results and liquidity situation, and, additionally, that there are not known significant risks to the business or unhedged risks

which might have a significant incidence on the equity and financial position.

In relation to the accounting closing procedure, the Consolidation and Accounting Policies Office issues the reporting and external audit instructions (in the case of external audits, only for the purposes of schedules and reports to be issued) for the closure of each period, which shall include the content, procedures and schedule to be followed by the departments and companies of the Telefónica Group as well as investee entities through joint control agreements (joint ventures and operations) or material entities over which it exercises significant influence and through its external auditors in the reporting of the financial-accounting information and the results of the external audit processes.

The specific review on relevant judgments, estimates, valuations and projections is carried out by the Consolidation and Accounting Policies Office, to identify critical accounting policies to the extent that they require the use of estimates and value judgements. In these cases, the Consolidation and Accounting Policies Office establishes, likewise, the necessary operational coordination actions with the rest of the units in the Telefónica Group in their specific fields of action and knowledge, prior to presenting them to the Audit and Control Committee. The most relevant ones are dealt with by the Audit and Control Committee and Senior Management defines the presentation format in the annual accounts, prior to approval by the Board of Directors.

Finally, Internal Audit, within its annual audit plan, among other actions, establishes annually work plans to assess the model for internal control over financial reporting of the Telefónica Group, in line with the above stated. That is, the Internal Audit plans include the review on the design and operability of the controls on the breakdown and reporting of financial information, as well as the assessment of the internal control system of the mentioned process for the preparation of financial information, and the review of any significant modification, during the annual assessment period, that could materially affect the Group's internal control system on the process for the preparation of the consolidated annual accounts.

Internal control policies and procedures on information systems

The Global Security Policy considers an integral concept of the physical and operational security of human resources the information, technologies, cybersecurity, and material resources that support them as fundamental assets, with the purpose of guaranteeing corporate protection against potential damage or eventual losses. For this reason, guaranteeing the Group security is considered an essential aspect in the strategy of Telefónica and an essential enabler of the organisation's activity.

With the approval of this Policy, the Board of Directors expresses its determination and commitment to reaching a level of security that is adequate to the needs of the business and that guarantees the protection of the assets in a homogeneous way in all the companies of the Telefónica Group.

In this context, the Global Digital Security Office is responsible for the definition and promotion of the implementation of Security Policies and Standards in the Telefónica Group, understanding Security as an integral concept. These Policies and Standards aim at preserving the assets and protecting the strategic interests and objectives of the Telefónica Group, both in its vertical organisation (including its business units) and in its cross-cutting dimension (including its four technological platforms: (1) Network infrastructure and assets, (2) Infrastructures and assets of Information Systems, (3) Products and Services, and (4) Big Data and 4th Platform for data). With them, the confidentiality and integrity of the assets, interests and objectives of the Telefónica Group that are strategic is guaranteed, protecting them, as well, from potential actions that might affect their availability, damage their value, alter their contents, reduce their efficiency or affect their operability. The Global Digital Security Office is also in charge of measuring the level of implementation of the Security Regulations Framework on the assets and processes of the four technological platforms mentioned above and in charge of supervising the status of security on an ongoing manner.

The Telefónica Group's Global Directorate for Networks and Information System, is responsible for the technological strategy of both the Network and the Information Systems for the Group's 4 main markets, defining the strategy and technological planning, as well as its evolution and ensuring compliance with the quality of service, cost and security conditions required by the Group. Among its various functions are the definition of Systems and Networks that improve the efficiency, effectiveness and profitability of the Group's processes. For operators in Latin America, these same functions are assumed and carried out by the Network and Information Systems Department of this segment.

The security activities developed by organisational structures, responsible for assets and employees for the four technological platforms defined above will be governed by the principles of legality, efficiency, co-responsibility, cooperation, and coordination. The adequate mechanisms must be established to foster them, conduct them, control them and improve them.

Principle of Legality ensure the necessary compliance with all laws and regulations in matters of Security, both national and international, valid at any given time in any of the territories where the Telefónica Group operates.

Principle of Efficiency: in order to reach the required level of Security in an efficient manner, the anticipatory

and preventive nature of actions must be ensured. For this purpose, knowledge of potential threats must be privileged and potential risks must be analysed, as part of an intelligence process where to identify and understand the most relevant threats that affect the organisation. The objective is to get ahead of their action and evolution, and to safeguard the Telefónica Group's global organisation from their potential harmful effects and mitigate the damages from those risks down to an acceptable level for the business.

With the aim of reaching a homogeneous level of security, a Global Security Regulations Framework is defined, which will take into account the analyses of risks and threats as well as the setting of precise protective or corrective prevention measures.

Likewise, strategic plans will be conceived and prepared so that they enable to identify and prioritise the projects and budgets necessary for reaching the adequate levels of Security and Auditability, minimising the security risks identified in the corresponding analyses, and maximising the effectiveness of the investment and the resources used.

Principle of Co-responsibility users must preserve the Security of the assets that Telefónica makes available to them, in line with the security criteria, requirements, procedures, and technologies defined in the Security Regulations Framework, as well as in line with the applicable laws and regulations in this matter. At the same time, users must exclusively use the assets for the performance of activities that correspond to their workstation and assigned tasks.

Principle of Cooperation and Coordination: in order to reach the levels of efficiency required by Telefónica business project, the global action and integral concept of Security activities must be preserved and, together with the aforementioned requirements of anticipation and prevention, cooperation and coordination between all business units and employees must be prioritised, in order to generate the adequate synergies and to jointly reinforce the capabilities.

The Security Organisation coordinates the Security responsibilities of the various Telefónica Group structures, promoting cooperation among them to guarantee the efficient and joint protection of the assets.

Finally, the Internal Audit unit, with the scope established in its Annual Audit Plan, sets out work plans to verify the effectiveness of design and operation, as well the efficiency of the defined internal control environment, to ensure compliance with all Group policies and regulations on Security and Data Processing and Protection, focusing on the governance model and the integrity accuracy of the information, reviewing in the audit work the adequacy and effectiveness of the defined controls, both in their design and operation.

Internal control policies and procedures aimed at supervising the managing of activities outsourced to third parties, as well as those aspects of assessment, calculation or valuation commended to independent experts that may affect in a material manner the financial statements.

In the case that a process or part of a process is outsourced to a third party unrelated to the company, this does not exempt from the need to have controls which ensure an adequate internal control level in the whole of the process. Given the importance of service outsourcing and the consequences that this can cause on the opinion about the effectiveness of the internal control over financial reporting, the necessary actions are taken in the Telefónica Group in order to achieve to evidence an adequate control level. The actions that are carried out to achieve the mentioned objective may vary among the three following ones:

Certification of internal control by an independent third party: ISAE 3402 and/or SSAE 18 certifications in their different typologies.

Establishing specific controls: identified, designed, implemented and assessed by the Company and/or the Telefónica Group.

Direct assessment: an assessment, carried out by the Internal Audit area, on certain administrative outsourced processes, with the scope established in its annual audit plan.

When Telefónica, S.A. or any of its subsidiaries uses the services of an independent expert whose result and conclusions may present potential impacts on the consolidated financial information, with regard to the process to select a supplier, the area that requests the service and, if applicable, together with the Purchase department, must make sure about the competence, training, credentials and independence of the third party regarding the methods and main hypotheses used. The Finance and Control Office has established control activities aimed at guaranteeing the validity of data, the methods used, and the reasonability of the hypotheses used by the third party through the recurrent monitoring on the own KPIs¹ of each duty which enable to ensure compliance of the outsourced process according to the policies and guidelines issued by the Group.

Likewise, there is an internal procedure for engaging independent experts which requires certain levels of approval.

4.7.4. Information and Communication

A specific duty in charge of accounting policies

The Consolidation and Accounting Policies Office of the Group is in charge of defining and updating the accounting policies for the purposes of consolidated financial information.

Thus, this area issues updated Information Bulletins on IFRS (International Financial Reporting Standards), where this area presents a summary of the main changes in accounting matters, as well as clarifications on various aspects that may arise regarding this matter. These Bulletins are monitored in a systematic way by the Accounting Policies Area.

Additionally, the Telefónica Group has a Manual of Accounting Policies which is permanently updated. The objectives of this Manual are: to adapt the corporate accounting principles and policies to the IFRS regulatory framework; to maintain accounting principles and policies which enable that the information is comparable within the Group and which facilitate an optimum management from the origin of the information; to improve the quality of the accounting information of the various Group companies and of the Consolidated Group by disclosing, agreeing and implementing accounting principles which are unique to the Group; and to facilitate the accounting integration of acquired and newly-created companies into the Group's accounting system by means of having a reference manual.

All companies belonging to the Telefónica Group must comply in a mandatory manner with the mentioned Manual when carrying out their reporting for the preparation of the consolidated financial information.

This documentation is available for the whole Group on the Telefónica Intranet in an integrated Accounting and Reporting portal. In this portal, in addition to the digitalised Manual, also includes the history of IFRS Bulletins, as well as the Reporting Manual with its forms and all the details of the corporate chart of accounts. All accounting and reporting update communications are made through this tool, which is part of the Group's digital transformation project.

Likewise, the Accounting Policies Area maintains a fluid communication with the accounting heads of the Group's main operations, both proactively and reactively. This communication is useful not only for resolving doubts or conflicts but also to ensure that accounting criteria in the Group are homogeneous as well as to share best practices among operators.

Mechanisms for obtaining and preparing the financial information

As stated above, there is a Manual for Filling in the Consolidation Reporting of the Telefónica Group which

provides specific instructions for preparing the details which make up the reporting pack, provided by all components of the Telefónica Group for the preparation of the Telefónica Group's consolidated financial statements and the consolidated explanatory notes.

Likewise, the Telefónica Group has implemented a specific system, through a software, which supports the reporting of the individual financial statements of its various subsidiaries, as well as the necessary notes and disclosures for preparing the consolidated annual accounts. This tool is used, likewise, to carry out the consolidation process and its subsequent analysis. The system is managed centrally, and all components of the Telefónica Group use the same account plan.

4.7.5. Supervision of System Operation

The ICFR supervision activities and results in 2021

As mentioned above, the Corporate Bylaws and Regulations of the Board of Directors state that the primary duty of the Audit and Control Committee shall be to support the Board of Directors in its supervisory duties, establishing among its competencies to supervise the effectiveness of the Company's internal controls and the systems for risk management and control, as well as to discuss with the Account Auditors significant deficiencies or material weaknesses in the internal control system over financial reporting (ICFR) detected during the development of the audit.

Telefónica has an Internal Control Policy that sets that the Board of Directors, through the Audit and Control Committee, supervises the internal control system, with the support of the Internal Audit unit of the Telefónica Group. In that Policy, "internal control" is defined as the process performed by the Board of Directors, Management and the rest of the staff of the Company, being designed with the purpose of providing a reasonable assurance degree for the attainment of the objectives related to operations, information and compliance. With the purpose of helping to the achievement of its objectives, the Company has an internal control model defined in accordance with the criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO").

Likewise, there is an Internal Audit Organization Policy, which includes aspects regarding the organisation and functioning of this area. According to what is set in that Policy, Internal Audit is the area in Telefónica in charge of confirming, by means of appropriate evidence, the adequate functioning of the internal control and risk management structures and, if applicable, detecting possible inefficiencies or non-compliance with the control system that the Group establishes in its processes. In this manner, Internal Audit becomes an area independent from the Company management which supports the

Audit and Control Committee in its competencies on assurance, risk management and the internal control system.

The Internal Audit function is developed in accordance with the International Standards for the Professional Practice of Internal Auditing and, in this regard, it has been awarded a Quality Certificate from the International Institute of Internal Auditors.

With regard to supervision of Internal Control over Financial Reporting (ICFR), Telefónica, S.A., as company listed on the New York Stock Exchange, is subject to the regulatory requirements established by the North American regulatory bodies that affect companies listed on that Stock Exchange. Among those requirements is the aforementioned Sarbanes-Oxley Act, of 2002, and, specifically, Section 404 of that Act, which stipulates the need for companies listed in the US market to assess on an annual basis the effectiveness of the procedures and structures of the internal control over financial reporting (ICFR). In order to comply with this requirement, and as stated above, the Telefónica Group has a model to assess the system for the internal control over financial reporting (ICFR). Internal Audit is the area in charge of performing, on an annual basis, the assessment on its effectiveness.

Additionally, and in accordance with what is established by this Act and the criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"), the External Auditor issues their own independent opinion on the effectiveness of the system for the internal control over financial reporting (ICFR).

Review on specific processes and controls

Without prejudice to filling in the self-assessment questionnaire, in certain companies of the Group, according to criteria regarding the relevance of their contribution to the economic-financial magnitudes of the Group and other considered risk factors, a direct review is made on their processes and key controls, applying the "Telefónica Group's ICFR-SOX Methodology", specifically the "Scope Definition Model" (which forms part of that assessment methodology), which enables to identify the significant financial accounting accounts for the purposes of evaluating the Internal Control System for Financial Information (ICFR) at the Telefónica Group level, based on the aforementioned evaluation methodology, which is also in accordance with the guidelines established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in its "Internal Control - Integrated Framework 2013" report.

Once the significant accounts are identified Having identified within the scope of the evaluation based on the calculated consolidated materiality, the Telefónica Group's ICFR-SOX Methodology is applied as follows:

Identify economic-financial processes associated with the significant accounts so that a reasonable coverage is achieved in the evaluation.

Also identify Information Technology (IT) systems and tools and technological infrastructures associated with these scoped processes.

Identify significant risks regarding financial reporting associated to those processes.

Carry out Walkthroughs of the economic-financial processes in the scope of the evaluation.

Asses, by applying the corresponding evaluation tests based on the identified risks, the effectiveness of the design and operability of the control activities that have previously been classified as key.

Where appropriate, control deficiencies identified are reported to the Audit and Control Committee, as well as of the implementation of the corresponding actions plans which are regularly mentioned by the Audit and Control Committee.

In the event that control deficiencies and/or opportunities for improvement are identified during the Internal Control System for Financial Information (ICFR) assessment procedures, they are reported to Management through the corresponding conclusions issued by Internal Audit, prior analysis of their impact, both at individual and aggregate level, on the evaluation of the Internal Control System for Financial Information (ICFR) of the Telefónica Group. For the purposes of this assessment, the existing compensating controls are taken into consideration, which mitigate the risks that the deficiencies identified could not be remedied at year-end.

Review on IT general controls

The Information Technology General Controls (ITGCs), which support the financial and economic processes in the assessment scope of the internal control over financial reporting (ICFR), are assessed at least annually, they consider aspects fundamentally related to regulations and guidelines which apply at global level in the Group.

The review on IT general controls over the aforementioned IT systems and tools and the technological infrastructures, has the objective to assess the effectiveness of the design and operability of key controls related to (i) managing changes to programs, which includes the authorization of the changes implemented at the production stage and that must be supported by their corresponding user tests (UATs), ensuring an adequate segregation of duties and environments, such as (ii) logical access, which includes the control on credentials and profiles, as well as the segregation of duties and the monitoring of activities that are critical in information systems and tools and in the

technological infrastructures that supports them (databases and operating systems), and (iii) other IT general controls which support the correct operation of information systems and tools (managing changes to infrastructures, back-ups, managing programmed tasks and their monitoring and managing gaps).

Self-assessment Questionnaires

In addition, all the companies that depend from the Group receive annually internal control self-assessment questionnaires, whose answers must be subsequently certified by the persons responsible for the internal control over financial reporting (ICFR), in each Company (Executive Presidents or / and Finance Directors). These questionnaires address aspects of internal control over financial reporting (ICFR) that are considered minimum requirements in order to achieve a reasonable assurance of the reliability of the financial information reported. The answers are audited by the corresponding Internal Audit Units.

Action plans

In the event that control deficiencies and/or opportunities for improvement are detected as a result of the assessment of the Telefónica Group's Internal Control System for Financial Information (SCIIF), depending on the scope established, the control owners communicate their action plans agreed for solving the identified control deficiencies, as well as the deadlines scheduled for their implementation which is regularly monitored by the Audit and Control Committee. These action plans have as fundamental objectives:

To remedy the control deficiencies identified in the ICFR annual assessment, so that the control activities operate in an effective manner.

To prioritise the implementation of improvement opportunities in the efficiency of processes; improvement opportunities are defined as such, since they do not constitute internal control deficiencies.

Conclusion of the assessment of the Internal Control System for Financial Information (ICFR) as of December 31, 2021

Internal Audit has carried out the assessment of the effectiveness of the Internal Control System for Financial Information (SCIIF) as of December 31, 2021. To perform this assessment, the guidelines established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in its "Internal Control - Integrated Framework 2013" report, were considered. Based on the assessment carried out, it was concluded that, as of December 31, 2021, the Telefónica Group's Internal Control System for Financial Information (ICFR) was effective in accordance with these guidelines.

Weakness detection and management procedure

As previously stated, the Internal Audit area is also in charge, among other functions, to provide support to the Audit and Control Committee in the supervision of the functioning of the system for the internal control over financial reporting (ICFR).

The Internal Audit unit participates in the Audit and Control Committee meetings and informs regularly about the conclusions of the carried out works, and also informs about the action plans designed and agreed for mitigation and about the degree of implementation thereof. This includes to communicate internal control significant deficiencies and material weaknesses which may have been identified in the process for ICFR assessment, as well as the follow-up on the implementation of action plans related to significant deficiencies and material weaknesses.

On the other hand, the External Auditor also participates in the Audit and Control Committee, at the request of the Audit and Control Committee, in order to explain and clarify aspects of their audit reports and the rest of work carried out by the External Auditor, which including work carried out to audit the effectiveness of the internal control over financial reporting. The External Auditor is obliged to communicate the internal control significant deficiencies or material weaknesses identified in the development of their audit on the system for the internal control over financial reporting (ICFR). For this purpose, the External Auditor has direct access at all times to Senior Management and the Chairman of the Audit and Control Committee, the External Auditor also reports independently to that Committee the results of both the preliminary and final phase of their audit on the system for the internal control over financial reporting (ICFR).

4.7.6. External Auditor's Report

As indicated above, the Group was commissioned to the External Auditor, both to audit the effectiveness of the internal control system over financial reporting (ICFR) in accordance with the criteria established in Internal Control - Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission ("COSO"), and to review the description of the attached information on the ICFR the Telefónica Group, whose report is attached below to this document.

4.8. Annual Corporate Governance Report Statistical Annex

Annual Corporate Governance Report
Statistical Annex for listed companies
(established by Circular 3/2021, of
September 28, of the Spanish Securities and
Exchange Commission, that modifies
Circular 5/2013, of June 12, that established
the templates for the Annual Corporate
Governance Report for listed companies)

Unless otherwise indicated all data as of December 31,
2021.

A. Ownership Structure

**A.1 Complete the following table on share capital
and the attributed voting rights, including those
corresponding to shares with a loyalty vote as of the
closing date of the year, where appropriate:**

**Indicate whether company bylaws contain the
provision of double loyalty voting:**

No

Date of the last modification of the share capital	Share capital (€)	Number of shares	Number of voting rights
23/12/2021	5,779,048,020.00	5,779,048,020	5,779,048,020

**Indicate whether there are different classes of
shares with different associated rights:**

No

A.2 List the company's significant direct and indirect shareholders at year end, including directors with a significant shareholding:

Name or company name of shareholder	% voting rights attributed to shares		% of voting rights through financial instruments		% of total voting rights
	Direct	Indirect	Direct	Indirect	
Banco Bilbao Vizcaya Argentaria, S.A.	4.97	0.02	0.00	0.00	4.99
CaixaBank, S.A.	4.49	0.00	0.00	0.00	4.49
BlackRock, Inc.	0.00	4.32	0.00	0.16	4.48

Breakdown of the indirect holding:

Name or company name of indirect owner	Name or company name of direct owner	% voting rights attributed to shares	% of voting rights through financial instruments	% of total voting rights
Banco Bilbao Vizcaya Argentaria, S.A.	BBVA Seguros, S.A. de Seguros y Reaseguros	0.02	0.00	0.02
BlackRock, Inc.	Grupo BlackRock	4.32	0.16	4.48

A.3 Give details of the participation at the close of the fiscal year of the board of directors who are holders of voting rights attributed to shares of the company or through financial instruments, whatever the percentage, excluding the directors who have been identified in Section A2 above:

Name or company name of director	% voting rights attributed to shares		% of voting rights through financial instruments		% of total voting rights	% voting rights which may be transferred through financial instruments	
	Direct	Indirect	Direct	Indirect		Direct	Indirect
Mr. José María Álvarez-Pallete López	0.03 %	0.00 %	0.03 %	0.00 %	0.07 %	0.00 %	0.00 %
Mr. Isidro Fainé Casas	0.01 %	0.00 %	0.00 %	0.00 %	0.01 %	0.00 %	0.00 %
Mr. José María Abril Pérez	0.01 %	0.01 %	0.00 %	0.00 %	0.01 %	0.00 %	0.00 %
Mr. José Javier Echenique Landiríbar	0.00 %	0.00 %	0.00 %	0.00 %	0.01 %	0.00 %	0.00 %
Mr. Ángel Vilá Boix	0.01 %	0.00 %	0.02 %	0.00 %	0.03 %	0.00 %	0.00 %
Mr. Peter Erskine	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Ms. Carmen García de Andrés	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Ms. María Luisa García Blanco	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Mr. Peter Löscher	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Mr. Francisco Javier de Paz Mancho	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %
Mr. Francisco José Riberas Mera	0.00 %	0.21 %	0.00 %	0.00 %	0.21 %	0.00 %	0.00 %

**Total percentage of voting rights held by the
Board of Directors**

0.34%

Breakdown of the indirect holding:

Name or company name of director	Name or company name of the direct owner	% voting rights attributed to shares	% of voting rights through financial instruments	% of total voting rights	% voting rights which may be transferred through financial instruments
Mr. José María Abril Pérez	Other company shareholders	0.01 %	0.00 %	0.01 %	0.00 %
Mr. José Javier Echenique Landiríbar	Other company shareholders	0.00 %	0.00 %	0.00 %	0.00 %
Ms. María Luisa García Blanco	Other company shareholders	0.00 %	0.00 %	0.00 %	0.00 %
Mr. Francisco José Riberas Mera	Other company shareholders	0.21 %	0.00 %	0.21 %	0.00 %

**List the total percentage of voting rights
represented on the board**

**Total percentage of voting rights held by the Board of
Directors**

9.82%

**A.7 Indicate whether the company has been notified
of any shareholders' agreements that may affect it,
in accordance with the provisions of Articles 530
and 531 of the Spanish Corporate Enterprises Act. If
so, describe them briefly and list the shareholders
bound by the agreement:**

Yes.

Parties to the shareholders' agreement

Telefónica, S.A.

Prosegur Global Alarmas Row, S.L./ Prosegur Compañía de Seguridad, S.A.

% of share capital concerned:

0.86%

Brief description of the agreement:

On February 28, 2020, as part of the transaction whereby Telefónica de Contenidos, S.A. acquired 50% of the share capital of Prosegur Alarmas España, S.L. from Prosegur Global Alarmas Row, S.L., 49,545,262 shares of Telefónica, S.A. (the "Shares") were delivered to Prosegur Global Alarmas Row, S.L. as payment of the transaction price.

On the same day, Telefónica, S.A., Prosegur Global Alarmas Row, S.L., as shareholder, and Prosegur Alarmas España, S.L., as guarantor, signed a contract whereby Prosegur Global Alarmas Row, S.L. undertook, among other obligations, to assume certain restrictions on the transferability of the Shares delivered to it (the Shareholders' Agreement).

In particular, the Shareholders' Agreement restricted the free transfer of the Shares for a period of nine months from the date of signature and provides for a number of covenants governing the transfer of the Shares after that initial period.

This agreement was notified to the Spanish Securities and Exchange Commission as 'Other Relevant Information' on February 28, 2020, including a transcription of the relevant clauses included in the agreement relating to restrictions on the transferability and orderly sale of the Shares.

On December 2, 2020, Prosegur Global Alarmas Row, S.L. transferred 39,545,262 Shares to Prosegur Alarmas España, S.L. (company of the Prosegur Group). As a consequence of the transfer and the provisions of Clause 2.3 of the Shareholders' Agreement, Prosegur Alarmas España, S.L. entered into an agreement to adhere to the Shareholders' Agreement, becoming bound in its capacity as guarantor and shareholder.

Expiry date of the agreement, if any:

-

Indicate whether the company is aware of any concerted actions among its shareholders. If so, provide a brief description:

No.

A.8 Indicate whether any individual or company exercises or may exercise control over the company in accordance with Article 5 of the Spanish Securities Market Act. If so, please identify them:

No.

A.9 Complete the following table with details of the company's treasury shares:

At the close of the year:

Number of direct shares	Number of indirect shares (*)	Total percentage of share capital
139,329,370	—	2.41 %

(*) Through:

--

A.11 Estimated float:

	%
Estimated float	82.43 %

A.14 Indicate whether the company has issued shares that are not traded on a regulated EU market.

Yes.

B. General Shareholders' Meeting

B.4 Give details of attendance at General Shareholders' Meetings held during the reporting year and the two previous years:

Date of general meeting	Attendance data				Total
	% physical presence	% present by proxy	% distance voting	Other	
		Electronic voting			
07/06/2019	0.12%	53.62%	0.02%	0.89%	54.65%
Of which, float	0.07%	32.33%	0.02%	0.89%	33.31%
12/06/2020	0.07%	52.52%	0.14%	1.81%	54.54%
Of which, float	0.01%	33.37%	0.14%	0.56%	34.08%
23/04/2021	0.09%	54.94%	0.22%	1.65%	56.90%
Of which, float	0.03%	36.48%	0.22%	0.30%	37.03%

B. 5 Indicate whether there has been any item on the agenda at the general meetings held during the year that has not been approved by the shareholders.

No.

B.6 Indicate whether the articles of incorporation contain any restrictions requiring a minimum number of shares to attend General Shareholders' Meetings, or to vote remotely:

Yes.

Number of shares required to attend General Meetings	300
Number of shares required for voting remotely	300

C. Structure of the Company's Administration

C.1 Board of Directors

C.1.1 Maximum and minimum number of directors established in the articles of incorporation and the number of directors set by the General Meeting:

Maximum number of directors	20
Minimum number of directors	5
Number of directors set by the general meeting	17

C.1.2 Complete the following table on Board members:

Name or company name of director	Representative	Category of director	Position on the Board	Date first appointed	Date of last appointment	Election procedure
Mr. José María Álvarez-Pallete López	—	Executive	Chairman	26/07/2006	23/04/2021	Resolution of General Shareholders' Meeting
Mr. Isidro Fainé Casas	—	Proprietary	Vice Chairman	26/01/1994	12/06/2020	Resolution of General Shareholders' Meeting
Mr. José María Abril Pérez	—	Proprietary	Vice Chairman	25/07/2007	08/06/2018	Resolution of General Shareholders' Meeting
Mr. José Javier Echenique Landiríbar	—	Independent	Vice Chairman	08/04/2016	12/06/2020	Resolution of General Shareholders' Meeting
Mr. Ángel Vilá Boix	—	Executive	Chief Operating Officer	26/07/2017	08/06/2018	Resolution of General Shareholders' Meeting
Mr. Juan Ignacio Cirac Sasturain	—	Independent	Director	08/04/2016	12/06/2020	Resolution of General Shareholders' Meeting
Mr. Peter Erskine	—	Other External	Director	25/01/2006	12/06/2020	Resolution of General Shareholders' Meeting
Ms. Carmen García de Andrés	—	Independent	Director	04/05/2017	23/04/2021	Resolution of General Shareholders' Meeting
Ms. María Luisa García Blanco	—	Independent	Director	25/04/2018	08/06/2018	Resolution of General Shareholders' Meeting
Mr. Peter Löscher	—	Independent	Director	08/04/2016	12/06/2020	Resolution of General Shareholders' Meeting
Ms. Verónica Pascual Boé	—	Independent	Director	18/12/2019	12/06/2020	Resolution of General Shareholders' Meeting
Mr. Francisco Javier de Paz Mancho	—	Other External	Director	19/12/2007	08/06/2018	Resolution of General Shareholders' Meeting
Mr. Francisco José Riberas Mera	—	Independent	Director	04/05/2017	23/04/2021	Resolution of General Shareholders' Meeting
Ms. María Rotondo Urcola	—	Independent	Director	29/09/2021	29/09/2021	Co-optation
Ms. Claudia Sender Ramírez	—	Independent	Director	18/12/2019	12/06/2020	Resolution of General Shareholders' Meeting

Total number of directors 15

Indicate any cessations, whether through resignation or by resolution of the general meeting, that have taken place in the Board of Directors during the reporting period

Name or company name of director	Category of the director at the time of cessation	Date of last appointment	Date of cessation	Specialised committees of which he/she was a member	Indicate whether the director left before the end of his or her term of office
Ms. Sabina Fluxà Thienemann	Independent	12/06/2020	29/09/2021	-	YES
Mr. Jordi Gual Solé	Proprietary	08/06/2018	15/12/2021	Regulation and Institutional Affairs Committee / Strategy and Innovation Committee	YES
Mr. Ignacio Moreno Martínez	Proprietary	23/04/2021	15/12/2021	Audit and Control Committee / Regulation and Institutional Affairs Committee / Sustainability and Quality Committee	YES

C.1.3 Complete the following tables on the members of the Board and their categories:

EXECUTIVE DIRECTORS

Name or company name of director	Post in organisation chart of the company	Profile
Mr. José María Álvarez-Pallete López	Executive Chairman	Degree in Economics. International Management Program (IMP) from IPADE Business School (Instituto Panamericano de Alta Dirección de Empresa). An Advance Research Degree from the Complutense University of Madrid.
Mr. Ángel Vilá Boix	Chief Operating Officer (C.O.O.)	Degree in Industrial Engineering. MBA at Columbia Business School.

Total number of executive directors	2
Percentage of Board	13.33 %

EXTERNAL PROPRIETARY DIRECTORS

Name or company name of director	Name or company name of the significant shareholder represented by the director or that nominated the director	Profile
Mr. José María Abril Pérez	Banco Bilbao Vizcaya Argentaria, S.A.	Degree in Economics. Professor at the University of Deusto. He is currently Director of Arteche Lantegi Elekarte, S.A. and of Ibermática, S.A.
Mr. Isidro Fainé Casas	CaixaBank, S.A.	PhD in Economics. ISMP in Business Administration. Post graduate degree in senior management at IESE. An academic at the Royal Academy of Economic and Financial Sciences and at the Real Academia Europea de Doctores. Chairman and member of the Executive Commission of the Board of Trustees of Fundación Bancaria Caixa d'Estalvis i Pensions de Barcelona "la Caixa" and Criteria Caixa, S.A.U., Chairman of the Caixa Capital Risc SGEIC, S.A., Deputy-Chairman of the Board of Directors of Inmo Criteria Caixa, S.A.U. and Special Advisory of the Board of the Bank of East Asia Limited. Chairman of the Spanish Confederation of Savings Banks (CECA), of the World Savings Bank Institute (WSBI) and Vice Chairman of European Savings Banks Group (ESBG). Chairman of the Spanish Confederation of Directors and Executives (CEDE) and the Spanish Chapter of the Club of Rome. Honorary Chairman of Naturgy Energy Group, S.A. Deputy-Chairman of the Royal Academy of Economic and Financial Sciences and Founder of the Círculo Financiero.
Total number of proprietary directors		2
Percentage of Board		13.33 %

EXTERNAL INDEPENDENT DIRECTORS

Name or company name of director	Profile
Mr. Juan Ignacio Cirac Sasturain	Graduated in Theoretical Physics. PhD in Physics. Fields of specialization in Quantum Optics, Quantum Computation and Communication. Co-Director of the Munich Quantum Science and Technology Center. Director of the Theory Division, Max-Planck Institut für Quantenoptik and Member of the Max-Planck society. Director of the Max Planck International School of Quantum Sciences and Technologies. "Honorarprofessor", Technical University of Munich.
Mr. José Javier Echenique Landiríbar	Economics and Actuarial Sciences Graduate. Professor of Social Security Quantitative Techniques. Director of ACS Actividades de Construcción y Servicios, S.A., Director of ACS Servicios, Comunicaciones y Energía, S.L., and Director of Grupo Calcinor. Trustee of Novia Salcedo Foundation, Advisory Counselor of the Deusto Business School, Member of the Basque Businessmen Circle and of the McKinsey Advisory Council.
Ms. Carmen García de Andrés	Degree in Economic and Business Sciences. Chairwoman of Tomillo Foundation. Member of the Youth Business Spain Foundation. Member of the Asociación Española de Fundaciones (AEF), being currently its Treasurer. Member of the Trust of Secretariado Gitano, and of Xavier de Salas Foundations. Co-Founder and member of the Trust of "Aprendiendo a Ser".
Ms. María Luisa García Blanco	Degree in Law. State Attorney (on leave of absence). Founding Partner at law firm Salama García Blanco.
Mr. Peter Löscher	Degree in Economics and Business. MBA at Vienna University of Economics. Advanced Management Program at Harvard Business School. Honorary Professor at Tongji University Shanghai. Honorary Doctorate of Engineering from Michigan State University. Doctor Honoris Causa of Slovak University of Engineering in Bratislava. Chairman of the Board of Directors of Sulzer AG, member of the Supervisory Board of Royal Philips, member of the Board of Thyssen-Bornemisza Group AG, and a non-executive member of the Board of Directors of Doha Venture Capital LLC, Qatar.
Ms. Verónica Pascual Boé	Degree in Aeronautical Engineering. Master in Business Administration (MBA). Executive Master in Positive Leadership and Strategy (EXMPLS) from IE Business School. Several postgraduate qualifications from INSEAD, Stanford, and Harvard Business School. Leads a group of companies involved in digital transformation. Representative of Director of ASTI Mobile Robotics Group. Chairwoman of the Fundación ASTI Tecnología y Talento. Director of General de Alquiler de Maquinaria, S.A. (GAM).
Mr. Francisco José Riberas Mera	Degree in Law and in Economics and Business Administration. Chief Executive Officer of Gestamp Automoción, S.A. Member of the Board of Directors of CIE Automative, S.A. and of Walbox N.V. He is part of the management body of certain companies belonging to Gestamp's Group and family holding companies Acek, including companies belonging to the Groups Gonvarri, Acek Renewables Energy, and Inmobiliaria Acek. Chairman of the Endeavor Foundation in Spain and the Spain-China Board Foundation. Chairman of Sernauto (Asociación Española de Proveedores de Automoción).
Ms. María Rotondo Urcola	Degree in Economics and Business Administration. She has received complementary training at various institutions such as ESG Academy/Foretica, IESE, IC-A, EEC, IMD, NYU, Harvard, Boston College, among others. She teaches Capital Markets at the Instituto de Consejeros y Administradores (ICA), and Special Operations Communication at the Master in Investor Relations at Bolsas y Mercados (BME). Co-Director and lecturer in the Sustainability Programme of the Instituto de Empresa (IE) SYCA. Independent Director of CACEIS Bank Spain and of Santander CACEIS Latam Holdco, and Independent Director of Libertas 7. Member of the Advisory Board of Top Boards-Headspring (Financial Times - Instituto de Empresa).
Ms. Claudia Sender Ramírez	Degree in Chemical Engineering. Master in Business Administration (MBA) at Harvard Business School. Director of LafargeHolcim Ltd, Director of Gerdau, S.A., Director of Embraer, Empresa Brasileira de Aeronáutica, S.A. and Director of Materlúgica Gerdau, S.A. Director of the NGO Amigos do Bem.

Total number of independent directors	9
Percentage of Board	60.00 %

Indicate whether any director classified as independent receives from the company or any company in its group any amount or benefit other than remuneration as a director, or has or has had a business relationship with the company or any company in its group during the past year, whether in his or her own name or as a significant shareholder, director or senior executive of a company that has or has had such a relationship.

--

If so, include a statement by the Board explaining why it believes that the director in question can perform his or her duties as an independent director.

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OTHER EXTERNAL DIRECTORS

Identify the other external directors, indicate the reasons why they cannot be considered either proprietary or independent, and detail their ties with the company or its management or shareholders:

Name or company name of director	Reasons	Company, manager or shareholder to which or to whom the director is related	Profile
Mr. Peter Erskine	Mr. Peter Erskine was appointed Director of Telefónica, S.A. in 2006, and therefore, in accordance with article 529 duodecies of the Spanish Companies Act ("Those who, among other situations, have been Directors for a continuous period of more than 12 years may not be considered Independent Directors under any circumstances"), and 12 years after his appointment, he was reclassified from Independent Director to 'Other External' Director.	Telefónica, S.A.	Degree in Psychology. Honorary Doctorate from the University of Reading. Until December 2007 he was Director and Chief Executive Officer of Telefónica Europe Plc, then becoming a non-executive Director. From 2009 to 2015 he was Chairman of Ladbrokes, Plc. Chairman of the Charity Brainstorm.
Mr. Francisco Javier de Paz Mancho	Mr. Francisco Javier de Paz Mancho was appointed Director of Telefónica, S.A. in 2006, and therefore, in accordance with article 529 duodecies of the Spanish Companies Act ("Those who, among other situations, have been Directors for a continuous period of more than 12 years may not be considered Independent Directors under any circumstances"), and 12 years after his appointment, he was reclassified from Independent Director to 'Other External' Director.	Telefónica, S.A.	Graduate in Information and Advertising. Law Studies. IESE business Management Program (University of Navarra). Formerly Chairman of the State owned company MERCASA. From July 2016 to December 2021, he was Chairman of Telefónica Ingeniería de Seguridad, S.A. From 2014 to 2016, he was Chairman of Telefónica Gestión de Servicios Compartidos, S.A.U.

Total number of other external directors	2
Percentage of Board	13.33 %

Indicate any changes that have occurred during the period in each director's category:

Name or company name of director	Date of change	Previous category	Current category
—	—	—	—

C.1.4 Complete the following table with information relating to the number of female directors at the close of the past four years, as well as the category of each:

	Number of female directors				% of total directors for each category			
	Year 2021	Year 2020	Year 2019	Year 2018	Year 2021	Year 2020	Year 2019	Year 2018
Executive	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Proprietary	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Independent	5	5	5	3	55.56%	55.56%	55.56%	33.33%
Other external	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Total	5	5	5	3	33.33%	29.41%	29.41%	17.65%

C.1.11 List the positions of director, administrator or representative thereof, held by directors or representatives of directors who are members of the company's board of directors in other entities, whether or not they are listed companies:

Identity of the director or representative	Company name of the listed or non-listed entity	Position
Mr. José María Alvarez-Pallete López	VMED O2 UK Ltd.	Chairman
Mr. Isidro Fainé Casas	Fundación Bancaria "la Caixa" Criteria Caixa, S.A.U. Inmo Criteria Caixa, S.A.U. Caixa Capital Risc, SGEIC, S.A. Confederación Española de Cajas de Ahorros (CECA) World Savings Banks Institute (WSBI) European Savings Banks Group (ESBG) Confederación Española de Directivos y Ejecutivos (CEDE) Capítulo Español del Club de Roma Real Academia de las Ciencias Económicas y Financieras (RACEF)	Chairman Chairman Chairman Vice-Chairman 1º Chairman Chairman Chairman Vice-Chairman Chairman Chairman Chairman Chairman Vice-Chairman
Mr. José María Abril Pérez	Ibermática, S.A. Arteche Lantegi Elkartea, S.A.	Director Director
Mr. José Javier Echenique Landiríbar	ACS, Actividades de Construcción y Servicios, S.A. ACS Servicios, Comunicaciones y Energía, S.L. Telefónica Audiovisual Digital, S.L.U. (Telefónica Group) Grupo Calcinor	Director Director Director Director
Mr. Ángel Vilá Boix	VMED O2 UK Ltd.	Director
Mr. Peter Erskine	VMED O2 UK Ltd. Telefónica Deutschland Holding, AG (Telefónica Group)	Director Director

Mr. Peter Löscher	Sulzer AG	Chairman
	Royal Philips N.V.	Director
	Telefónica Deutschland Holding, AG (Telefónica Group)	Chairman
	Thyssen-Bornemisza Group AG	Director
	Doha Venture Capital LLC	Director
Ms. Verónica Pascual Boé	General de Alquiler de Maquinaria, S.A. (GAM)	Director
	Asti Mobile Robotics Group S.L.U.	Representative of Director
	Asti Mobile Robotics S.A.U.	Representative of Director
	Albp. Corp. S.L.U.	Sole Administrator
	Asmv Technologies Distribution S.L.U.	Sole Administrator
	Manco Partners S.L.	Sole Administrator
	Fundación Asti Talent and Technology Foundation	Chairman
	Asti France S.A.S.	Chairman
	Asti Mobile Robotics GmbH	Representative of Director
	Asti Mobile Robotics Inc	Representative of Director
Mr. Francisco Javier de Paz Mancho	Telefónica Brasil, S.A. (Telefónica Group)	Director
	Telefónica Audiovisual Digital, S.L.U. (Telefónica Group)	Director
Mr. Francisco José Riberas Mera	Acek Desarrollo y Gestión Industrial, S.L.	Representative of Director
	Gestamp Automoción, S.A.	Chairman
	Sociedades del Grupo Gestamp Automoción	Director
	Holding Gonvarri, S. L.	Secretary Director
	Sociedades del Grupo Gonvarri	Director
	Acek Energías Renovables, S.L.	Sole Administrator
	Sociedades del Grupo Acek Energías Renovables	Director
	Inmobiliaria Acek, S.L.	Sole Administrator
	Sociedades del Grupo Inmobiliaria Acek	Director
	CIE Automotive, S.A.	Director
	Otras sociedades participadas por Acek, Desarrollo y Gestión Industrial, S.L.	Director
	Orilla Asset Management, S.L.	Sole Administrator
	Q-Energy Tenencia y Gestión III, SCR, S.A.	Director
	Wallbox, N.V.	Director
	Otras sociedades participadas por Orilla Asset Management, S.L.	Director

Ms. María Rotondo Urcola	Caceis Bank Spain, S.A.U. Libertas 7 Santander Caceis Latam Holding 1, S.L.	Director Director Director
Ms. Claudia Sender Ramírez	LafargeHolcim Ltd. Gerdau, S.A. Embraer, La Empresa Brasileira de Aeronáutica, S.A. Metalúrgica Gerdau, S.A. Amigos do Bem	Director Director Director Director Director

Listed below are the positions indicated in the table above that are remunerated:

Mr. Isidro Fainé Casas: Chairman of Criteria Caixa, S.A.U.; Vice-Chairman First of Inmo Criteria Caixa, S.A.U.; Chairman of Caixa Capital Risc, SGEIC, S.A.; and Chairman of Federación Española de Cajas de Ahorros (CECA).

Mr. José María Abril Pérez: Director of Ibermática, S.A. and Director of Arteche Lantegi Elkartea, S.A.

Mr. José Javier Echenique Landiríbar: Director of ACS, Actividades de Construcción y Servicios, S.A.; Director of ACS Servicios, Comunicaciones y Energía, S.L.; Director of Telefónica Audiovisual Digital, S.L.U.; and Director of Grupo Calcínor.

Mr. Peter Erskine: Director of VMED O2 UK Limited; and Director of Telefónica Deutschland Holding, AG.

Mr. Peter Löscher: Chairman of Sulzer AG; Director of Royal Philips N.V. (Philips); Chairman of Telefónica Deutschland, AG; Director of Thyssen-Bornemisza Group AG; and Director of Doha Venture Capital LLC.

Ms. Verónica Pascual Boé: Director of General de Alquiler de Maquinaria, S.A. (GAM) and Representative of Director of Asti Mobile Robotics Group, S.L.U.

Mr. Francisco Javier de Paz Mancho: Director of Telefónica Brasil, S.A. and Director of Telefónica Audiovisual Digital, S.L.U.

Mr. Francisco José Riberas Mera: Representative of Director of Acek Desarrollo y Gestión Industrial, S.L.; Chairman of Gestamp Automoción, S.A.; Director of Group Companies Gestamp Automoción; Sole Administrator of Orilla Asset Management, S.L., and Director of Wallbox, N.V.

Ms. María Rotondo Urcola: Director of Caceis Bank Spain, S.A.U.; Director of Libertas 7; and Director of Santander Caceis Latam Holding 1, S.L.

Ms. Claudia Sender Ramírez: Director of LafargeHolcim Ltd; Director of Gerdau, S.A.; Director of Embraer, the Company Breasileira of Aeronáutica, S.A., and Director of Metalúrgica Gerdau, S.A.

Indicate, where appropriate, the other remunerated activities of the directors or directors' representatives, whatever their nature, other than those indicated in the previous table.

Mr. José Javier Echenique Landiríbar: Member of the Advisory Board of Telefónica España and Member of McKinsey Advisory Council.

Mr. José María Abril Pérez: Advisor of Madlane Bay, S.L.

Mr. Juan Ignacio Cirac Sasturain: Director of the Max-Planck Theory Division, Institut fur Quantenoptik; and Director and scientific member of the Max Planck Society (Germany).

Ms. María Luisa García Blanco: Member of the Advisory Board of Telefónica España and Partner of Salama García Blanco Abogados.

Mr. Francisco Javier de Paz Mancho: Member of the Advisory Boards of Telefónica España and Telefónica Hispanoamérica.

Ms. María Rotondo Urcola: Co-Director Exec Education SYCA of IE Instituto de Empresa; Professor of IE Instituto de Empresa; and Professor of BME.

Ms. Claudia Sender Ramírez: Member of the Advisory Board of Telefónica Hispanoamérica.

C.1.12 Indicate whether the company has established rules on the maximum number of company boards on which its directors may sit, explaining if necessary and identifying where this is regulated, if applicable:

Yes.

C.1.13 Indicate the remuneration received by the Board of Directors as a whole for the following items:

Remuneration accruing in favour of the Board of Directors in the financial year (thousands of euros)	19,157
Funds accumulated by current directors for long-term savings systems with consolidated economic rights (thousands of euros)	2,137
Funds accumulated by current directors for long-term savings systems with unconsolidated economic rights (thousands of euros)	18,834
Pension rights accumulated by former directors (thousands of euros)	684

C.1.14 Identify members of senior management who are not also executive directors and indicate their total remuneration accrued during the year:

Name or company name	Position(s)
Mr. Pablo de Carvajal González	General Secretary and Secretary of the Board of Directors, Director Global of Regulation and Head of Security area
Ms. Laura Abasolo García de Baquedano	Chief Financial and Control Officer & Head of Hispanoamérica
Mr. Eduardo Navarro de Carvalho	Chief Corporate Affairs & Sustainability Officer
Mr. Mark Evans	Chief Strategy & Development Officer
Mr. Juan Francisco Gallego Arrechea	General Manager of Internal Audit

Number of women in senior management	1
Percentage of total senior management	20 %
Total remuneration of senior management (thousand euros)	8,862

C.1.15 Indicate whether the Board regulations were amended during the year

Yes.

C.1.21 Explain whether there are any specific requirements, other than those relating to directors, for being appointed as chairman of the Board of Directors.

Yes.

C.1.23 Indicate whether the articles of incorporation or Board regulations establish any term limits for independent directors other than those required by law or any other additional requirements that are stricter than those provided by law:

No.

C.1.25 Indicate the number of meetings held by the Board of Directors during the year. Also indicate, if applicable, the number of times the Board met without the chairman being present. Meetings where the chairman gave specific proxy instructions are to be counted as attended.

Number of Board meetings	13
Number of Board meetings held without the chairman's presence	0

Indicate the number of meetings held by the coordinating director with the other directors, where there was neither attendance nor representation of any executive director:

Number of meetings	2
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Indicate the number of meetings held by each Board committee during the year:

Number of meetings held by the Executive Committee	19
Number of meetings held by the Audit and Control Committee	11
Number of meetings held by the Nominating, Compensation and Corporate Governance Committee	12
Number of meetings held by the Sustainability and Quality Committee	10
Number of meetings held by the Regulation and Institutional Affairs Committee	11
Number of meetings held by the Strategy and Innovation Committee	11

C.1.26 Indicate the number of meetings held by the Board of Directors during the year with member attendance data:

Number of meetings at which at least 80% of the directors were present in person	13
Attendance in person as a % of total votes during the year	98.19 %
Number of meetings with attendance in person or proxies given with specific instructions, by all directors	12
Votes cast in person and by proxies with specific instructions, as a % of total votes during the year	99.55 %

C. 1.27 Indicate whether the individual and consolidated financial statements submitted to the Board for issue are certified in advance:

No.

Identify, if applicable, the person(s) who certified the individual and consolidated financial statements of the company for issue by the Board

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C.1.29 Is the secretary of the Board also a director?

No.

If the secretary is not a director, complete the following table:

Name or company name of the secretary	Representative
Mr. Pablo de Carvajal González	-

C.1.31 Indicate whether the company changed its external auditor during the year. If so, identify the incoming and outgoing auditors:

No.

If there were any disagreements with the outgoing auditor, explain their content:

No.

C.1.32 Indicate whether the audit firm performs any non-audit work for the company and/or its group and, if so, state the amount of fees it received for such work and express this amount as a percentage of the total fees invoiced to the company and/or its group for audit work:

Yes.

	Company	Group Company	Total
Amount of non-audit work (thousands of euros)	455	1,174	1,629

Amount of non-audit work / Amount of audit work (%)	12.90	7.21	8.22
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Observations

That amount is full related to Audit-related services: work related to the review of the information required by regulatory authorities, agreed financial reporting procedures not requested by legal or regulatory bodies, the issuance of comfort letters, the report on the information relating to the system of internal control over financial reporting (ICFR), and the verification of the non-financial information in the annual reports.

C.1.33 Indicate whether the auditors' report on the financial statements for the preceding year contains reservations. If so, indicate the reasons given to shareholders at the general meeting by the chairman of the audit committee to explain the content and extent of the qualified opinion or reservations.

No.

C.1.34 Indicate the number of consecutive years for which the current audit firm has been auditing the company's individual and/or consolidated financial statements. Also, indicate the number of years audited by the current audit firm as a percentage of the total number of years in which the financial statements have been audited

	Individual	Consolidated
Number of consecutive years	5	5
Number of years audited by the current audit firm/ number of years in which the company has been audited (in %)	12.82	16.13

C.1.35 Indicate whether there is a procedure for directors to be sure of having the information necessary to prepare the meetings of the governing bodies with sufficient time; provide details if applicable:

Yes.

Details of the procedure:

The Company adopts the necessary measures, whenever possible, that the Directors receive the necessary information, specially drawn up and geared to preparing the meetings of the Board and its Committees, sufficiently in advance. Under no circumstances shall such a requirement not be fulfilled, on the grounds of the importance or the confidential nature of the information, apart from in absolutely exceptional cases.

In this regard, and in accordance with Articles 18 and 20 of the Regulation of the Board of Directors, at the beginning of each year the Board of Directors and its Committees set the calendar of ordinary meetings to be held during the year. The calendar may be amended by resolution of the Board itself, or by decision of the Chairman, in which case the Directors shall be made aware of the amendment as soon as practicable. Likewise, the Regulations of the Audit and Control Committee and the Regulations of the Nominations, Compensation and Good Governance Committee detail the operating regime of these Committees.

Also, the Board and its Committees shall prepare an Action Plan detailing the actions to be carried out and their timing for each year, as per their assigned powers and duties.

Likewise, all the meetings of the Board and the Board Committees have a pre-established agenda, which is communicated at least three days prior to the date scheduled for the meeting together with the call for the session. The Agenda for each meeting will clearly state points on which the Board of Directors, or the Executive Committee, have to adopt a decision or resolution.

For the same purpose, in general, the Directors are sent the documentation related to the agenda of the meetings sufficiently in advance. In accordance with Article 19 of the Regulations of the Board of Directors, the Chairman of the Board of Directors organizes the debates, promoting and encouraging all Directors to play an active role in the deliberations, safeguarding their right to freely adopt their own position on all matters. Moreover, with the assistance of the Secretary, he shall ensure that the Directors are sent sufficient information to discuss the points set out in the agenda sufficiently in advance of the meeting. He also ensures that sufficient time is given over to discussing strategic matters, and shall encourage debate during meetings, safeguarding the Directors' right to adopt their positions freely on all points discussed.

To provide all the information and clarifications necessary in relation to certain points deliberated, the Group's senior executive officers attend nearly all the Board and Committee meetings to explain the matters within their powers.

Furthermore, and as a general rule, the Regulations of the Board of Directors (Article 27) expressly establish that Directors are granted the broadest powers to obtain information about all aspects of the Company, to examine its books, records, documents and other data regarding corporate transactions. Exercising of this right to receive information shall be channeled through the Chairman or Secretary to the Board of Directors, who shall respond to the requests made by the Directors, providing them with the requested information directly or offering them the proper contacts at the appropriate level of the organization.

C.1.39 Identify individually as regards directors, and in aggregate form in other cases, and provide details of any agreements between the company and its directors, executives or employees containing indemnity or golden parachute clauses in the event of resignation or dismissal without due cause or termination of employment as a result of a takeover bid or any other type of transaction.

Number of beneficiaries	27
Type of beneficiary	Executive Directors, Senior Managers and other Employees

Description of Agreement: With regards to the conditions applicable to termination of contracts, the Executive Chairman, Mr. José María Álvarez-Pallete López, and the Chief Operating Officer (C.O.O.), Mr. Ángel Vilá Boix, maintain the conditions of his previous contract which provided for agreed economic compensation for the termination of the employment relationship, where applicable, that can amount to four years' of remuneration at the most. Annual remuneration on which the indemnity

is based is the last fixed remuneration and the arithmetic mean of the last two variable remuneration payments received by contract.

Regarding the contracts of members of Senior Management, in general, they are contractually entitled the right to receive the economic compensation indicated below in the event that their employment relationship is ended for reasons attributable to the Company or, in some instances, is due to objective reasons such as a change of control in the Company. However, if the employment relationship is terminated because of a breach attributable to the Executive, he/she will not be entitled to any compensation whatsoever. That notwithstanding, in certain cases the severance benefit to be received by the member of Senior Management according to their contract is not calculated as per these general criteria, but rather is based on other circumstances of a personal or professional nature or on the time when the contract was signed. The agreed economic compensation for the termination of the employment relationship, where applicable, consists of a maximum of three times annual remuneration plus another year based on length of service at the Company. Annual remuneration on which the indemnity is based is the last fixed remuneration and the arithmetic mean of the last two variable remuneration payments received by contract.

Meanwhile, contracts that tie employees to the Company under a common employment relationship do not include indemnity clauses for the termination of their employment. In these cases, the employee is entitled to any indemnity set forth in prevailing labor legislation. However, contracts of some company employees, depending on their level and seniority, as well as their personal or professional circumstances or when they signed their contracts, establish their right to receive compensation in the same cases as in the preceding paragraph, generally consisting of a year and a half salary. The annual salary on which the indemnity is based is the last fixed salary and the average amount of the last two variable payments received by contract.

Indicate whether, beyond the cases established by legislation, these agreements have to be communicated and/or authorised by the governing bodies of the company or its group. If so, specify the procedures, the cases concerned and the nature of the bodies responsible for their approval or communication:

Board of directors	General Shareholders' Meeting
Body authorizing the clauses	-

Are these clauses notified to the General Shareholders' Meeting No

C.2 Committees of the Board of Directors

C.2.1 Provide details of all committees of the Board of Directors, their members, and the proportion of executive, proprietary, independent and other external directors forming them:

EXECUTIVE COMMISSION

Name	Position	Current
Mr. José María Álvarez-Pallete López	Chairman	Executive
Mr. Isidro Fainé Casas	Vice Chairman	Proprietary
Mr. José María Abril Pérez	Vice Chairman	Proprietary
Mr. José Javier Echenique Landiríbar	Vice Chairman	Independent
Mr. Ángel Vilá Boix	Member	Executive
Mr. Peter Erskine	Member	Other External
Mr. Peter Löscher	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External

% of executive directors	25.00%
% of proprietary directors	25.00%
% of independent directors	25.00%
% of external directors	25.00%

AUDIT AND CONTROL COMMITTEE

Name	Position	Current
Mr. Peter Löscher	Chairman	Independent
Mr. José Javier Echenique Landiríbar	Member	Independent
Ms. Carmen García de Andrés	Member	Independent
Ms. María Rotondo Urcola	Member	Independent

% of executive directors	0.00%
% of proprietary directors	0.00%
% of independent directors	100.00%
% of other external directors	0.00%

Identify the directors who are members of the audit committee and have been appointed taking into account their knowledge and experience in accounting or audit matters, or both, and state the date that the Chairperson of this committee was appointed.

Name of directors with experience

Mr. Peter Löscher
Mr. José Javier Echenique Landiríbar
Ms. Carmen García de Andrés
Ms. María Rotondo Urcola

Date of appointment of the chairperson

19/02/2020

NOMINATING, COMPENSATION AND CORPORATE GOVERNANCE COMMITTEE

Name	Position	Current
Mr. José Javier Echenique Landiríbar	Chairman	Independent
Mr. Peter Erskine	Member	Other External
Mr. Peter Löscher	Member	Independent
Ms. María Luisa García Blanco	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External
% of executive directors	0.00%	
% of proprietary directors	0.00%	
% of independent directors	60.00%	
% of other external directors	40.00%	

SUSTAINABILITY AND QUALITY COMMITTEE

Name	Position	Current
Ms. María Luisa García Blanco	Chairman	Independent
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Ms. Carmen García Andrés	Member	Independent
Mr. Francisco Javier de Paz Mancho	Member	Other External
Ms. María Rotondo Urcola	Member	Independent
Ms. Claudia Sender Ramírez	Member	Independent
% of executive directors	0.00%	
% of proprietary directors	0.00%	
% of independent directors	83.33%	
% of other external directors	16.67%	

STRATEGY AND INNOVATION COMMITTEE

Name	Position	Current
Mr. Peter Erskine	Chairman	Other External
Mr. José María Abril Pérez	Member	Proprietary
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Ms. Verónica Pascual Boé	Member	Independent
Ms. Claudia Sender Ramírez	Member	Independent
% of executive directors	0.00%	
% of proprietary directors	20.00%	
% of independent directors	60.00%	
% of other external directors	20.00%	

REGULATION AND INSTITUTIONAL AFFAIRS COMMITTEE

Name	Position	Current
Mr. Francisco Javier De Paz Mancho	Chairman	Other External
Mr. Juan Ignacio Cirac Sasturain	Member	Independent
Ms. María Luisa García Blanco	Member	Independent
Ms. Carmen García de Andrés	Member	Independent
% of executive directors	0.00%	
% of proprietary directors	0.00%	
% of independent directors	75.00%	
% of other external directors	25.00%	

C.2.2 Complete the following table with information regarding the number of female directors who were members of Board committees at the close of the past four years:

Number of female directors				
	2021 Year Number %	2020 Year Number %	2019 Year Number %	2018 Year Number %
Executive Commission	0	0	0	0
Audit and Control Committee	2 (50.00%)	1 (25.00%)	1 (25.00%)	1 (25.00%)
Nominating, Compensation and Corporate Governance Committee	1 (20.00%)	1 (20.00%)	2 (40.00%)	1 (20.00%)
Regulation and Institutional Affairs Committee	2 (50.00%)	1 (25.00%)	1 (25.00%)	1 (25.00%)
Sustainability and Quality Committee	4 (66.67%)	2 (40.00%)	2 (50.00%)	2 (50.00%)
Strategy and Innovation Committee	2 (40.00%)	1 (16.67%)	1 (16.67%)	0

D. Related-Party and Intragroup Transactions

D.2 Give individual details of operations that are significant due to their amount or of importance due to their subject matter carried out between the company or its subsidiaries and shareholders holding 10% or more of the voting rights or who are represented on the board of directors of the company, indicating which has been the competent body for its approval and if any affected shareholder or director has abstained. In the event that the board of directors has responsibility, indicate if the proposed resolution has been approved by the board without a vote against the majority of the independents:

	Name or company name of the shareholder or any of its subsidiaries	% Shareholding	Name or company name of the company or entity within its group	Amount (thousands of euros)	Approving body	Identity of the significant shareholder or director who has abstained	The proposal to the board, if applicable, has been approved by the board without a vote against the majority of independents
(1)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	5,542	Board of Directors	Proprietary Directors BBVA	Yes
(2)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	1,472	Board of Directors	Proprietary Directors BBVA	Yes
(3)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	106	Board of Directors	Proprietary Directors BBVA	Yes
(4)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	774	Board of Directors	Proprietary Directors BBVA	Yes
(5)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	7,578	Board of Directors	Proprietary Directors BBVA	Yes
(6)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	85,705	Board of Directors	Proprietary Directors BBVA	Yes
(7)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	251,080	Board of Directors	Proprietary Directors BBVA	Yes
(8)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	292	Board of Directors	Proprietary Directors BBVA	Yes
(9)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	107,882	Board of Directors	Proprietary Directors BBVA	Yes
(10)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	6,225,981	Board of Directors	Proprietary Directors BBVA	Yes
(11)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	331,277	Board of Directors	Proprietary Directors BBVA	Yes
(12)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	803,969	Board of Directors	Proprietary Directors BBVA	Yes

(13)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	85,705	Board of Directors	Proprietary Directors BBVA	Yes
(14)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Telefónica, S.A.	261,522	Board of Directors	Proprietary Directors BBVA	Yes
(15)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	2,312	Board of Directors	Proprietary Directors BBVA	Yes
(16)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	12,898	Board of Directors	Proprietary Directors BBVA	Yes
(17)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	1,979	Board of Directors	Proprietary Directors BBVA	Yes
(18)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	16,941	Board of Directors	Proprietary Directors BBVA	Yes
(19)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	1,520	Board of Directors	Proprietary Directors BBVA	Yes
(20)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	4,664	Board of Directors	Proprietary Directors BBVA	Yes
(21)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	149	Board of Directors	Proprietary Directors BBVA	Yes
(22)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	26,451	Board of Directors	Proprietary Directors BBVA	Yes
(23)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	8,641	Board of Directors	Proprietary Directors BBVA	Yes
(24)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	8	Board of Directors	Proprietary Directors BBVA	Yes
(25)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	4,970	Board of Directors	Proprietary Directors BBVA	Yes
(26)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	79,962	Board of Directors	Proprietary Directors BBVA	Yes
(27)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	147,188	Board of Directors	Proprietary Directors BBVA	Yes
(28)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	221	Board of Directors	Proprietary Directors BBVA	Yes
(29)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	10,084	Board of Directors	Proprietary Directors BBVA	Yes
(30)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	438,165	Board of Directors	Proprietary Directors BBVA	Yes
(31)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	108,038	Board of Directors	Proprietary Directors BBVA	Yes
(32)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	5,607	Board of Directors	Proprietary Directors BBVA	Yes
(33)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	75	Board of Directors	Proprietary Directors BBVA	Yes

(34)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	10,084	Board of Directors	Proprietary Directors BBVA	Yes
(35)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	142	Board of Directors	Proprietary Directors BBVA	Yes
(36)	Banco Bilbao Vizcaya Argentaria, S.A.	4.99	Rest of Telefónica Group	79,962	Board of Directors	Proprietary Directors BBVA	Yes
(37)	CaixaBank, S.A.	4.49	Telefónica, S.A.	871	Board of Directors	Proprietary Directors CaixaBank	Yes
(38)	CaixaBank, S.A.	4.49	Telefónica, S.A.	1,620	Board of Directors	Proprietary Directors CaixaBank	Yes
(39)	CaixaBank, S.A.	4.49	Telefónica, S.A.	27	Board of Directors	Proprietary Directors CaixaBank	Yes
(40)	CaixaBank, S.A.	4.49	Telefónica, S.A.	21,120	Board of Directors	Proprietary Directors CaixaBank	Yes
(41)	CaixaBank, S.A.	4.49	Telefónica, S.A.	8,400	Board of Directors	Proprietary Directors CaixaBank	Yes
(42)	CaixaBank, S.A.	4.49	Telefónica, S.A.	113,130	Board of Directors	Proprietary Directors CaixaBank	Yes
(43)	CaixaBank, S.A.	4.49	Telefónica, S.A.	263,666	Board of Directors	Proprietary Directors CaixaBank	Yes
(44)	CaixaBank, S.A.	4.49	Telefónica, S.A.	26,368	Board of Directors	Proprietary Directors CaixaBank	Yes
(45)	CaixaBank, S.A.	4.49	Telefónica, S.A.	354,406	Board of Directors	Proprietary Directors CaixaBank	Yes
(46)	CaixaBank, S.A.	4.49	Telefónica, S.A.	21,120	Board of Directors	Proprietary Directors CaixaBank	Yes
(47)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	6,547	Board of Directors	Proprietary Directors CaixaBank	Yes
(48)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	14	Board of Directors	Proprietary Directors CaixaBank	Yes
(49)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	8,169	Board of Directors	Proprietary Directors CaixaBank	Yes
(50)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	242,475	Board of Directors	Proprietary Directors CaixaBank	Yes
(51)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	10	Board of Directors	Proprietary Directors CaixaBank	Yes
(52)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	66	Board of Directors	Proprietary Directors CaixaBank	Yes
(53)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	83,372	Board of Directors	Proprietary Directors CaixaBank	Yes
(54)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	91,580	Board of Directors	Proprietary Directors CaixaBank	Yes

(55)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	516	Board of Directors	Proprietary Directors CaixaBank	Yes
(56)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	92,131	Board of Directors	Proprietary Directors CaixaBank	Yes
(57)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	1,550	Board of Directors	Proprietary Directors CaixaBank	Yes
(58)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	144,767	Board of Directors	Proprietary Directors CaixaBank	Yes
(59)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	88	Board of Directors	Proprietary Directors CaixaBank	Yes
(60)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	181,766	Board of Directors	Proprietary Directors CaixaBank	Yes
(61)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	331,372	Board of Directors	Proprietary Directors CaixaBank	Yes
(62)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	28,002	Board of Directors	Proprietary Directors CaixaBank	Yes
(63)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	26,228	Board of Directors	Proprietary Directors CaixaBank	Yes
(64)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	84,831	Board of Directors	Proprietary Directors CaixaBank	Yes
(65)	CaixaBank, S.A.	4.49	Rest of Telefónica Group	144,767	Board of Directors	Proprietary Directors CaixaBank	Yes

Name or company name of the shareholder or any of its subsidiaries		Nature of the relationship	Type of operation and other information required for its evaluation
(1)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Financial expenses
(2)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Receipt of services
(3)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other expenses
(4)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Financial revenues
(5)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Dividends received
(6)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Finance Agreements: Loans (Borrower)
(7)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Finance Agreements: Others (Borrower)
(8)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Guarantees and collateral received
(9)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Dividends and other distributed earnings
(10)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Derivatives (notional)

(11)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Derivatives (fair value)
(12)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other receivables
(13)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Loans and receivables received
(14)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other payment obligations
(15)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Financial expenses
(16)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Receipt of services
(17)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Purchase of goods (finished or in progress)
(18)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Remunerations
(19)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other expenses
(20)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Financial revenues
(21)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Collaboration agreements
(22)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Service delivery
(23)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Sale of goods (finished or in progress)
(24)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Gains on derecognition or disposal of assets
(25)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other revenues
(26)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Finance Agreements: Loans (Borrower)
(27)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Guarantees and collateral received
(28)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Commitments made
(29)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Finance Agreements: Loans (Borrower)
(30)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Derivatives (notional)
(31)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Factoring operations in force
(32)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Trade receivables and trade debtors
(33)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Loans and receivables
(34)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Other receivables
(35)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Suppliers and trade creditors
(36)	Banco Bilbao Vizcaya Argentaria, S.A.	Contractual	Loans and receivables received
(37)	CaixaBank, S.A.	Contractual	Financial expenses
(38)	CaixaBank, S.A.	Contractual	Receipt of services
(39)	CaixaBank, S.A.	Contractual	Financial revenues
(40)	CaixaBank, S.A.	Contractual	Finance Agreements: Others (Borrower)
(41)	CaixaBank, S.A.	Contractual	Guarantees and collateral received

(42) CaixaBank, S.A.	Contractual	Dividends and other distributed earnings
(43) CaixaBank, S.A.	Contractual	Derivatives (notional)
(44) CaixaBank, S.A.	Contractual	Derivatives (fair value)
(45) CaixaBank, S.A.	Contractual	Other receivables
(46) CaixaBank, S.A.	Contractual	Other payment obligations
(47) CaixaBank, S.A.	Contractual	Financial revenues
(48) CaixaBank, S.A.	Contractual	Leases
(49) CaixaBank, S.A.	Contractual	Receipt of services
(50) CaixaBank, S.A.	Contractual	Purchase of goods (finished or in progress)
(51) CaixaBank, S.A.	Contractual	Other expenses
(52) CaixaBank, S.A.	Contractual	Financial revenues
(53) CaixaBank, S.A.	Contractual	Service delivery
(54) CaixaBank, S.A.	Contractual	Sale of goods (finished or in progress)
(55) CaixaBank, S.A.	Contractual	Other revenues
(56) CaixaBank, S.A.	Contractual	Purchases of intangible assets
(57) CaixaBank, S.A.	Contractual	Purchases of tangible fixed assets
(58) CaixaBank, S.A.	Contractual	Finance Agreements: Loans (Borrower)
(59) CaixaBank, S.A.	Contractual	Financial leasing contracts (lessee)
(60) CaixaBank, S.A.	Contractual	Guarantees and collateral received
(61) CaixaBank, S.A.	Contractual	Commitments made
(62) CaixaBank, S.A.	Contractual	Factoring operations in force
(63) CaixaBank, S.A.	Contractual	Trade receivables and trade payables
(64) CaixaBank, S.A.	Contractual	Suppliers and trade creditors
(65) CaixaBank, S.A.	Contractual	Loans and receivables

D.3 Give individual details of the operations that are significant due to their amount or relevant due to their subject matter carried out by the company or its subsidiaries with the administrators or managers of the company, including those operations carried out with entities that the administrator or manager controls or controls jointly, indicating the competent body for its approval and if any affected shareholder or director has abstained. In the event that the board of directors has responsibility, indicate if the proposed resolution has been approved by the board without a vote against the majority of the independents:

Name or company name of the administrators or managers or their controlled or jointly controlled entities	Name or company name of the company or entity within its group	Relationship	Amount (thousands of euros)	Approving body	Identify of the shareholder or director who has abstained	The proposal to the board, if applicable, has been approved by the board without a vote against the majority of independents
(1) Ms ^a Verónica Pascual Boé	Telefónica Digital España, S.L.U. / Telefónica IoT & Big Data Tech, S.A.	Company in which the Director has or may exercise control		Board of Directors	Ms. Verónica Pascual Boé	YES

Name or company name of the administrators or managers or their controlled or jointly controlled entities	Nature of the operation and other information necessary for the assessment of the operation
(1) Ms. Verónica Pascual Boé	Framework Agreement subscribed on September 25, 2020 with Asti Mobile Robotics, S.A. During 2021, certain commercial projects were completed in Spain, without any financial disbursements in that year. See Note 11 (Related parties) to the Consolidated Financial Statements of Telefónica, S.A. for the year 2021.

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- D.4 Report individually on intragroup transactions that are significant due to their amount or relevant due to their subject matter that have been undertaken by the company with its parent company or with other entities belonging to the parent's group, including subsidiaries of the listed company, except where no other related party of the listed company has interests in these subsidiaries or that they are fully owned, directly or indirectly, by the listed company.**

In any case, report any intragroup transaction conducted with entities established in countries or territories considered as tax havens:

- D.5 Give individual details of the operations that are significant due to their amount or relevant due to their subject matter carried out by the company or its subsidiaries with other related parties pursuant to the international accounting standards adopted by the EU, which have not been reported in previous sections.**

G. Degree of Compliance with Corporate Governance Recommendations

Specify the Company's degree of compliance with recommendations of the Good Governance Code for listed companies.

In the event that a recommendation is not followed or only partially followed, a detailed explanation of the reasons must be included so that shareholders, investors and the market in general have enough information to assess the company's conduct. General explanations are not acceptable.

1. That the Articles of Association of listed companies should not limit the maximum number of votes that may be cast by one shareholder or contain other restrictions that hinder the takeover of control of the company through the acquisition of its shares on the market.

Explain

In accordance with Article 26 of the Corporate Bylaws, no shareholder may cast a number of votes in excess of 10 percent of the total voting capital existing at any time, regardless of the number of shares held by such shareholder and in full compliance with mandatory requirements of law. In determining the maximum number of votes that each shareholder may cast, only the shares held by each such shareholder shall be computed. It does not include additional votes cast on behalf of other shareholders who may have appointed them as proxy, who are themselves likewise restricted by the 10 percent voting ceiling.

The limitation established in the preceding paragraphs shall also apply to the maximum number of votes that may be collectively or individually cast by two or more shareholder companies belonging to the same group of entities, as well as to the maximum number of votes that may be cast by an individual or corporate shareholder and the entity or entities that are shareholders themselves and which are directly or indirectly controlled by such individual or corporate shareholder.

In addition, Article 30 of the Corporate Bylaws stipulates that no person may be appointed as Director unless they have held, for more than three years prior to their appointment, a number of shares of the Company representing a nominal value of at least 3,000 euros, which the Director may not transfer while in office. These requirements shall not apply to those persons who, at the time of their appointment, are related to the Company under an employment or professional relationship, or when the Board of Directors resolves to waive such requirements with the favorable vote of at least 85 percent of its members.

Article 31 of the Corporate Bylaws establishes that, in order for a Director to be appointed Chairman, Vice-Chairman, Chief Executive Officer or member of the Executive Commission, it shall be necessary for such Director to have served on the Board for at least the three years immediately prior to any such appointment. However, such length of service shall not be required if the appointment is made with the favorable vote of at least 85 percent of the members of the Board of Directors.

The Corporate Bylaws (Article 26) restrict the number of shares that may be cast by a single shareholder or by shareholders belonging to the same group in order to achieve a suitable balance and protect the position of minority shareholders, thus avoiding a potential concentration of votes among a reduced number of shareholders, which could impact on the guiding principle that the General Shareholders' Meeting must act in the social interest and interest of all the shareholders. Telefónica believes that this measure does not constitute a blocking mechanism of takeover bids but rather a guarantee that the acquisition of control required the sufficient support of all shareholders, because, naturally, and as taught by experience, potential offerors may make their offer conditional upon the removal of the defense mechanism.

In relation to the above and in accordance with the provisions of Article 527 of the Spanish Corporations Act, any clauses in the Bylaws of listed corporations that directly or indirectly restrict the number of shares that may be cast by a single shareholder by shareholders belonging to the same group or by any parties acting together with the aforementioned, will be rendered null and void when, subsequent to a takeover bid, the offerer has a stake equal to or over 70% of the share capital which confers voting rights, unless the offerer was not subject to neutralization measures to prevent a takeover bid or had not adapted these measures accordingly.

In addition, the special requirements for appointment as Director (Article 30 of the Corporate Bylaws) or as Chairman, Vice-Chairman, Chief Operating Officer or member of the Executive Commission (Article 31 of the Corporate Bylaws) are justified by the desire that access to the management decision-making body and to the most significant positions thereon is reserved to persons who have demonstrated their commitment to the Company and who, in addition, have adequate experience as members of the Board, such that continuity of the management model adopted by the Telefónica Group may be assured in the interest of all of its shareholders and stakeholders. In any event, these special requirements may be waived by broad consensus among the members of the Board of Directors, namely, with the favorable vote of at least 85 percent of its members, as provided by the aforementioned Articles of the Corporate Bylaws.

2. That when the listed company is controlled by another entity in the meaning of Article 42 of the Commercial Code, whether listed or not, and has, directly or through its subsidiaries, business relations with said entity or any of its subsidiaries (other than the listed company) or carries out activities related to those of any of them it should make accurate public disclosures on:

- a) The respective areas of activity and possible business relationships between the listed company or its subsidiaries and the parent company or its subsidiaries.
- b) The mechanisms in place to resolve any conflicts of interest that may arise.

Not applicable

3. That, during the ordinary General Shareholders' Meeting, as a complement to the distribution of the written annual corporate governance report, the chairman of the Board of Directors should inform shareholders orally, in sufficient detail, of the most significant aspects of the company's corporate governance, and in particular:

- a) Changes that have occurred since the last General Shareholders' Meeting.
- b) Specific reasons why the company has not followed one or more of the recommendations of the Code of Corporate Governance and the alternative rules applied, if any.

Complies

4. That the company should define and promote a policy on communication and contact with shareholders and institutional investors, within the framework of their involvement in the company, and with proxy advisors that complies in all aspects with rules against market abuse and gives equal treatment to similarly situated shareholders. And that the company should publish this policy on its website, including information on how it has been put into practice and identifying the contact persons or those responsible for implementing it.

And that, without prejudice to the legal obligations regarding dissemination of inside information and other types of regulated information, the company should also have a general policy regarding the communication of economic-financial, non-financial and corporate information through such channels as it may consider appropriate (communication media, social networks or other channels) that helps to

maximise the dissemination and quality of information available to the market, investors and other stakeholders.

Complies

5. That the Board of Directors should not submit to the General Shareholders' Meeting any proposal for delegation of powers allowing the issue of shares or convertible securities with the exclusion of preemptive rights in an amount exceeding 20% of the capital at the time of delegation.

And that whenever the Board of Directors approves any issue of shares or convertible securities with the exclusion of preemptive rights, the company should immediately publish the reports referred to by company law on its website.

Complies

6. That listed companies that prepare the reports listed below, whether under a legal obligation or voluntarily, should publish them on their website with sufficient time before the General Shareholders' Meeting, even if their publication is not mandatory:

- a) Report on the auditor's independence.
- b) Reports on the workings of the audit and nomination and remuneration committees.
- c) Report by the audit committee on related-party transactions.

Complies

7. That the company should transmit in real time, through its website, the proceedings of the General Shareholders' Meetings.

And that the company should have mechanisms in place allowing the delegation and casting of votes by means of data transmission and even, in the case of large-caps and, to the extent that it is proportionate, attendance and active participation in the General Meeting to be conducted by such remote means.

Complies

8. That the audit committee should ensure that the financial statements submitted to the General Shareholders' Meeting are prepared in accordance with accounting regulations. And that in cases in which the auditor has included a qualification or reservation in its audit report, the

chairman of the audit committee should clearly explain to the general meeting the opinion of the audit committee on its content and scope, making a summary of this opinion available to shareholders at the time when the meeting is called, alongside the other Board proposals and reports.

Complies

9. That the company should permanently publish on its website the requirements and procedures for certification of share ownership, the right of attendance at the General Shareholders' Meetings, and the exercise of the right to vote or to issue a proxy.

And that such requirements and procedures promote attendance and the exercise of shareholder rights in a non-discriminatory fashion.

Complies

10. That when a duly authenticated shareholder has exercised his or her right to complete the agenda or to make new proposals for resolutions in advance of the General Shareholders' Meeting, the company:

a) Should immediately distribute such complementary points and new proposals for resolutions.

b) Should publish the attendance, proxy and remote voting card specimen with the necessary changes such that the new agenda items and alternative proposals can be voted on in the same terms as those proposed by the Board of Directors.

c) Should submit all these points or alternative proposals to a vote and apply the same voting rules to them as to those formulated by the Board of Directors including, in particular, assumptions or default positions regarding votes for or against.

d) That after the General Shareholders' Meeting, a breakdown of the voting on said additions or alternative proposals is communicated.

Not applicable

11. That if the company intends to pay premiums for attending the General Shareholders' Meeting, it should establish in advance a general policy on such premiums and this policy should be stable.

Not applicable

12. That the Board of Directors should perform its functions with a unity of purpose and independence of criterion, treating all similarly situated shareholders equally and being guided by the best interests of the company, which is understood to mean the pursuit of a profitable and sustainable business in the long term, promoting its continuity and maximising the economic value of the business.

And that in pursuit of the company's interest, in addition to complying with applicable law and rules and conducting itself on the basis of good faith, ethics and a respect for commonly accepted best practices, it should seek to reconcile its own company interests, when appropriate, with the interests of its employees, suppliers, clients and other stakeholders that may be affected, as well as the impact of its corporate activities on the communities in which it operates and on the environment.

Complies

13. That the Board of Directors should be of an appropriate size to perform its duties effectively and in a collegial manner, which makes it advisable for it to have between five and fifteen members.

Complies

14. That the Board of Directors should approve a policy aimed at favouring an appropriate composition of the Board that:

a) Is concrete and verifiable;

b) Ensures that proposals for appointment or re-election are based upon a prior analysis of the skills required by the Board of Directors; and

c) Favours diversity of knowledge, experience, age and gender. For these purposes, it is considered that the measures that encourage the company to have a significant number of female senior executives favour gender diversity.

That the result of the prior analysis of the skills required by the Board of Directors be contained in the supporting report from the nomination committee published upon calling the General Shareholders' Meeting to which the ratification, appointment or re-election of each director is submitted.

The nomination committee will annually verify compliance with this policy and explain its

findings in the annual corporate governance report.

Complies

15. That proprietary and independent directors should constitute a substantial majority of the Board of Directors and that the number of executive directors be kept to a minimum, taking into account the complexity of the corporate group and the percentage of equity participation of executive directors.

And that the number of female directors should represent at least 40% of the members of the Board of Directors before the end of 2022 and thereafter, and no less than 30% prior to that date.

Complies

16. That the number of proprietary directors as a percentage of the total number of non-executive director not be greater than the proportion of the company's share capital represented by those directors and the rest of the capital.

This criterion may be relaxed

- a) In large-cap companies where very few shareholdings are legally considered significant.**
- b) In the case of companies where a plurality of shareholders is represented on the Board of Directors without ties among them.**

Complies

17. That the number of independent directors should represent at least half of the total number of directors.

That, however, when the company does not have a high level of market capitalisation or in the event that it is a large-cap company with one shareholder or a group of shareholders acting in a concert who together control more than 30% of the company's share capital, the number of independent directors should represent at least one third of the total number of directors.

Complies

18. That companies should publish the following information on its directors on their website, and keep it up to date:

- a) Professional profile and biography.**
- b) Any other Boards to which the directors belong, regardless of whether or not the companies are listed, as well as any other remunerated activities engaged in, regardless of type.**
- c) Category of directorship, indicating, in the case of individuals who represent significant shareholders, the shareholder that they represent or to which they are connected.**
- d) Date of their first appointment as a director of the company's Board of Directors, and any subsequent re-elections.**
- e) Company shares and share options that they own.**

Complies

19. That the annual corporate governance report, after verification by the nomination committee, should explain the reasons for the appointment of any proprietary directors at the proposal of the shareholders whose holding is less than 3%. It should also explain, if applicable, why formal requests from shareholders for presence on the Board were not honoured, when their shareholding was equal to or exceeded that of other shareholders whose proposal for proprietary directors was honoured.

Not applicable

20. That proprietary directors representing significant shareholders should resign from the Board when the shareholder they represent disposes of its entire shareholding. They should also resign, in a proportional fashion, in the event that said shareholder reduces its percentage interest to a level that requires a decrease in the number of proprietary directors.

Not applicable

21. That the Board of Directors should not propose the dismissal of any independent director before the completion of the director's term provided for in the articles of incorporation unless the Board of Directors finds just cause and a prior report has been prepared by the

nomination committee. Specifically, just cause is considered to exist if the director takes on new duties or commits to new obligations that would interfere with his or her ability to dedicate the time necessary for attention to the duties inherent to his or her post as a director, fails to complete the tasks inherent to his or her post, or is affected by any of the circumstances which would cause the loss of independent status in accordance with applicable law.

The dismissal of independent directors may also be proposed as a result of a public takeover bid, merger or other similar corporate transaction entailing a change in the shareholder structure of the company, provided that such changes in the structure of the board are the result of the proportionate representation criterion provided in Recommendation 16.

Complies

22. That companies should establish rules requiring that directors inform the Board of Directors and, when circumstances arise which affect them, whether or not related to their actions in the company itself, and which may harm the company's standing and reputation, and in particular requiring them to inform the Board of any criminal proceedings in which they appear as suspects or defendants, as well as of how the legal proceedings subsequently unfold.

And that, if the Board is informed or becomes aware in any other manner of any of the circumstances mentioned above, it must investigate the case as quickly as possible and, depending on the specific circumstances, decide, based on a report from the nomination and remuneration committee, whether or not any measure may be adopted, such as the opening of an internal investigation, asking the director to resign or proposing that he or she be dismissed. And that these events must be reported in the annual corporate governance report, unless there are any special reasons not to do so, which must also be noted in the minutes. This without prejudice to the information that the company must disseminate, if appropriate, at the time when the corresponding measures are implemented.

Complies

23. That all directors clearly express their opposition when they consider any proposal submitted to the Board of Directors to be against the company's interests. This

particularly applies to independent directors and directors who are unaffected by a potential conflict of interest if the decision could be detrimental to any shareholders not represented on the Board of Directors.

Furthermore, when the Board of Directors makes significant or repeated decisions about which the director has serious reservations, the director should draw the appropriate conclusions and, in the event the director decides to resign, explain the reasons for this decision in the letter referred to in the next recommendation.

This recommendation also applies to the secretary of the Board of Directors, even if he or she is not a director.

Not applicable

24. That whenever, due to resignation or resolution of the General Shareholders' Meeting, a director leaves before the completion of his or her term in office, the director should explain the reasons for this decision, or in the case of non-executive directors, their opinion of the reasons for cessation, in a letter addressed to all members of the Board of Directors.

And that, without prejudice to all this being reported in the annual corporate governance report, insofar as it is relevant for investors, the company must publish the cessation as quickly as possible, adequately referring to the reasons or circumstances adduced by the director.

Complies

25. That the nomination committee should make sure that non-executive directors have sufficient time available in order to properly perform their duties.

And that the Board regulations establish the maximum number of company Boards on which directors may sit.

Complies

26. That the Board of Directors meet frequently enough so be able to effectively perform its duties, and at least eight times per year, following a schedule of dates and agenda established at the beginning of the year and allowing each director individually to propose

items that do not originally appear on the agenda.

Complies

27. That director absences occur only when absolutely necessary and be quantified in the annual corporate governance report. And when absences do occur, that the director appoint a proxy with instructions.

Complies

28. That when directors or the secretary express concern regarding a proposal or, in the case of directors, regarding the direction in which the company is headed and said concerns are not resolved by the Board of Directors, such concerns should be included in the minutes at the request of the director expressing them.

Not applicable

29. That the company should establish adequate means for directors to obtain appropriate advice in order to properly fulfill their duties including, should circumstances warrant, external advice at the company's expense.

Complies

30. That, without regard to the knowledge necessary for directors to complete their duties, companies make refresher courses available to them when circumstances make this advisable.

Complies

31. That the agenda for meetings should clearly indicate those matters on which the Board of Directors is to make a decision or adopt a resolution so that the directors may study or gather all relevant information ahead of time.

When, in exceptional circumstances, the chairman wishes to bring urgent matters for decision or resolution before the Board of Directors which do not appear on the agenda, prior express agreement of a majority of the directors shall be necessary, and said consent shall be duly recorded in the minutes.

Complies

32. That directors be periodically informed of changes in shareholding and of the opinions of significant shareholders, investors and rating agencies of the company and its group.

Complies

33. That the chairman, as the person responsible for the efficient workings of the Board of Directors, in addition to carrying out the duties assigned by law and the articles of incorporation, should prepare and submit to the Board of Directors a schedule of dates and matters to be considered organise and coordinate the periodic evaluation of the Board as well as, if applicable, the chief executive of the company, should be responsible for leading the Board and the effectiveness of its work; ensuring that sufficient time is devoted to considering strategic issues, and approve and supervise refresher courses for each director when circumstances make this advisable.

Complies

34. That when there is a coordinating director, the articles of incorporation or Board regulations should confer upon him the following powers in addition to those conferred by law: to chair the Board of Directors in the absence of the chairman and deputy chairmen, should there be any; to reflect the concerns of non-executive directors; to liaise with investors and shareholders in order to understand their points of view and respond to their concerns, in particular as those concerns relate to corporate governance of the company; and to coordinate a succession plan for the chairman.

Complies

35. That the secretary of the Board of Directors should pay special attention to ensure that the activities and decisions of the Board of Directors take into account such recommendations regarding good governance contained in this Good Governance Code as are applicable to the company.

Complies

36. That the Board of Directors meet in plenary session once a year and adopt, where appropriate, an action plan to correct any deficiencies detected in the following:

- a) The quality and efficiency of the Board of Directors' work.**
- b) The workings and composition of its committees.**
- c) Diversity in the composition and skills of the Board of Directors.**
- d) Performance of the chairman of the Board of Directors and the chief executive officer of the company.**
- e) Performance and input of each director, paying special attention to those in charge of the various Board committees.**

In order to perform its evaluation of the various committees, the Board of Directors will take a report from the committees themselves as a starting point and for the evaluation of the Board, a report from the nomination committee.

Every three years, the Board of Directors will rely for its evaluation upon the assistance of an external advisor, whose independence shall be verified by the nomination committee.

Business relationships between the external adviser or any member of the adviser's group and the company or any company within its group must be specified in the annual corporate governance report.

The process and the areas evaluated must be described in the annual corporate governance report.

Complies

37. That if there is an executive committee, there should be at least two non-executive directors, at least one of whom should be independent, and its secretary should be the secretary of the Board.

Complies

38. That the Board of Directors must always be aware of the matters discussed and decisions taken by the executive committee and that all members of the Board of Directors receive a copy of the minutes of meetings of the executive committee.

Complies

39. That all members of the audit committee, in particular its chairman, be appointed in consideration of their knowledge and experience in accounting, audit and risk management issues, both financial and non-financial.

Complies

40. That under the supervision of the audit committee, there should be a unit in charge of the internal audit function, which ensures that information and internal control systems operate correctly, and which reports to the non-executive chairman of the Board or of the audit committee.

Complies

41. That the person in charge of the unit performing the internal audit function should present an annual work plan to the audit committee, for approval by that committee or by the Board, reporting directly on its execution, including any incidents or limitations of scope, the results and monitoring of its recommendations, and present an activity report at the end of each year.

Complies

42. That in addition to the provisions of applicable law, the audit committee should be responsible for the following:

1. With regard to information systems and internal control:

a) Supervising and evaluating the process of preparation and the completeness of the financial and non-financial information, as well as the control and management systems for financial and non-financial risks related to the company and, if applicable, to the group – including operating, technological, legal, social, environmental, political and reputational risk, or risk related to corruption – reviewing compliance with regulatory requirements, the appropriate delimitation of the scope of consolidation and the correct application of accounting criteria.

b) Ensuring the independence of the unit charged with the internal audit function; proposing the selection, appointment and dismissal of the head of internal audit; proposing the budget for this service;

approving or proposing its orientation or annual work plans for approval by the Board, making sure that its activity is focused primarily on material risks (including reputational risk); receiving periodic information on its activities; and verifying that senior management takes into account the conclusions and recommendations of its reports.

c) Establishing and supervising a mechanism that allows employees and other persons related to the company, such as directors, shareholders, suppliers, contractors or subcontractors, to report any potentially serious irregularities, especially those of a financial or accounting nature, that they observe in the company or its group. This mechanism must guarantee confidentiality and in any case provide for cases in which the communications can be made anonymously, respecting the rights of both the whistleblower and the person reported.

d) Generally ensuring that internal control policies and systems are effectively applied in practice.

2. With regard to the external auditor:

a) In the event that the external auditor resigns, examining the circumstances leading to such resignation.

b) Ensuring that the remuneration paid to the external auditor for its work does not compromise the quality of the work or the auditor's independence.

c) Making sure that the company informs the CNMV of the change of auditor, along with a statement on any differences that arose with the outgoing auditor and, if applicable, the contents thereof.

d) Ensuring that the external auditor holds an annual meeting with the Board of Directors in plenary session in order to make a report regarding the tasks performed and the development of the company's accounting situation and risks.

e) Ensuring that the company and the external auditor comply with applicable rules regarding the provision of services other than auditing, limits on the concentration of the auditor's business and, in general, all other rules regarding auditors' independence.

Complies

43. That the audit committee be able to require the presence of any employee or manager of the company, even stipulating that he or she appear without the presence of any other member of management.

Complies

44. That the audit committee be kept abreast of any corporate and structural changes planned by the company in order to perform an analysis and draw up a prior report to the Board of Directors on the economic conditions and accounting implications and, in particular, any exchange ratio involved.

Complies

45. That the risk management and control policy should identify or determine, as a minimum:

a) The various types of financial and non-financial risk (including operational, technological, financial, legal, social, environmental, political and reputational risks and risks relating to corruption) which the company faces, including among the financial or economic risks contingent liabilities and other off-balance sheet risks.

b) A risk control and management model based on different levels, which will include a specialised risk committee when sector regulations so require or the company considers it to be appropriate.

c) The level of risk that the company considers to be acceptable.

d) Measures in place to mitigate the impact of the risks identified in the event that they should materialise.

e) Internal control and information systems to be used in order to control and manage the aforementioned risks, including contingent liabilities or off-balance sheet risks.

Complies

46. That under the direct supervision of the audit committee or, if applicable, of a specialised committee of the Board of Directors, an internal risk control and management function should exist, performed by an internal unit or

department of the company which is expressly charged with the following responsibilities:

- a) Ensuring the proper functioning of risk management and control systems and, in particular, that they adequately identify, manage and quantify all material risks affecting the company.**
- b) Actively participating in drawing up the risk strategy and in important decisions regarding risk management.**
- c) Ensuring that the risk management and control systems adequately mitigate risks as defined by the policy laid down by the Board of Directors.**

Complies

47. That in designating the members of the nomination and remuneration committee - or of the nomination committee and the remuneration committee if they are separate - care be taken to ensure that they have the knowledge, aptitudes and experience appropriate to the functions that they are called upon to perform and that the majority of said members are independent directors.

Complies

48. That large-cap companies have separate nomination and remuneration committees.

Explain

Article 40 of the Bylaws, and Article 23 of the Regulation of the Board of Directors, expressly state, on regulating the Nominating, Compensation and Corporate Governance Committees, that the Board of Directors shall be entitled to set up two Committees, separately giving each of them powers for appointments, and the other the powers for remuneration, while the corporate governance powers may be included in either one of them.

The Board of Directors of Telefónica, S.A. has not considered appropriate, so far, separating the functions of the Nominating, Compensation and Corporate Governance Committee because it believes that by putting the powers to assess Directors and determine their remuneration in the same Committee, is helpful to coordinate and to produce a results-driven remuneration system (pay for performance). The Board also considers that the workload of the Nominating, Compensation and Corporate Governance Committee and, therefore, its members, is reasonable and does not make it advisable,

for the time being, to divide it into two separate committees.

Furthermore, it is noted that the Board of Directors currently has five Consultative Committees (Audit and Control Committee, the Nominating, Compensation and Corporate Governance Committee, Regulation and Institutional Affairs Committee, Sustainability and Quality Committee and the Strategy and Innovation Committee), in addition to the Executive Commission.

In this context, the separation of the Nominating, Compensation and Corporate Governance Committee would not have been appropriate with the facilitating objective of the reorganization of the Consultative or Committees of the Company, approved by the Board of Directors on April 27, 2016, generating unnecessary inefficiencies and needs for additional allocations.

49. That the nomination committee consult with the chairman of the Board of Directors and the chief executive of the company, especially in relation to matters concerning executive directors.

And that any director be able to ask the nomination committee to consider potential candidates that he or she considers suitable to fill a vacancy on the Board of Directors.

Complies

50. That the remuneration committee exercise its functions independently and that, in addition to the functions assigned to it by law, it should be responsible for the following:

- a) Proposing the basic conditions of employment for senior management to the Board of Directors.**
- b) Verifying compliance with company's remuneration policy.**
- c) Periodically reviewing the remuneration policy applied to directors and senior managers, including share-based remuneration systems and their application, as well as ensuring that their individual remuneration is proportional to that received by the company's other directors and senior managers.**
- d) Making sure that potential conflicts of interest do not undermine the independence of external advice given to the board.**
- e) Verifying the information on remuneration of directors and senior managers contained in the**

various corporate documents, including the annual report on director remuneration.

Complies

51. That the remuneration committee should consult with the chairman and the chief executive of the company, especially in matters relating to executive directors and senior management.

Complies

52. That the rules regarding the composition and workings of the supervision and control committees should appear in the regulations of the Board of Directors and that they should be consistent with those applying to legally mandatory committees in accordance with the foregoing recommendations, including:

- a) That they be composed exclusively of non-executive directors, with a majority of independent directors.**
- b) That their chairpersons be independent directors.**
- c) That the Board of Directors select members of these committees taking into account their knowledge, skills and experience and the duties of each committee; discuss their proposals and reports; and require them to render account of their activities and of the work performed in the first plenary session of the Board of Directors held after each committee meeting.**
- d) That the committees be allowed to avail themselves of outside advice when they consider it necessary to perform their duties.**
- e) That their meetings be recorded and the minutes be made available to all directors.**

Explain

1. The supervision and control committees which are attributed the powers referred to in recommendation 52 are the Audit and Control Committee and the Nominating, Compensation and Corporate Governance Committee. The composition and operation rules of the two Committees are set out in the Regulation of the Board of Directors and in the specific Regulations of each one of them. Likewise, both Committees are not only consistent with legally dispositions applicable but are also an improvement upon them, in certain areas. For example, according to the Regulation of the Board of Directors, the Nominating, Compensation and Corporate

Governance Committee must have a majority of independent members, as opposed to the minimum of two according to prevailing laws. In fact, in practice, the Committee is composed of three independent Directors, and two with the category of "Other external".

2. The Board of Directors has other Consulting Committees which are allocated other functions (Regulation and Institutional Affairs Committee, Sustainability and Quality Committee, and Strategy and Innovation Committee), which are strongly linked with the businesses developed by the Company and with management aspects, and, in particular, the Sustainability and Quality Committee has some of the functions set out in Recommendations 53 and 54 below.

These Committees are expressly regulated in the Regulation of the Board of Directors, although with fewer details with respect to those that are legally mandatory. However, all these non-mandatory committees are, in practice, subject to the operating rules set out in Recommendation 52 c), d) and e).

It has been considered that Committees with powers in matters linked to the Company's businesses and management aspects do not necessarily have to be chaired by independent Directors but rather it is preferable to take into account the technical knowledge and specific expertise of their members when appointing the Director to chair them who should sit on these committees. It should also be noted that all Board Committees are composed of a majority of independent Directors.

53. That verification of compliance with the company's policies and rules on environmental, social and corporate governance matters, and with the internal codes of conduct be assigned to one or divided among more than one committee of the Board of Directors, in the exercise of its power of self-organisation, may have decided to create. And that such committee be composed exclusively of non-executive directors, with a majority of these being independent directors, and that the minimum functions indicated in the next recommendation be specifically assigned to it.

Complies

54. The minimum functions referred to in the foregoing recommendation are the following:

- a) Monitoring of compliance with the company's internal codes of conduct and corporate governance rules, and ensuring that the corporate culture is aligned with its purpose and values.**

b) Monitoring the implementation of the general policy on communication of economic and financial information, non-financial and corporate information and communication with shareholders and investors, proxy advisors and other stakeholders. The manner in which the entity communicates and handles relations with small and medium-sized shareholders must also be monitored.

c) The periodic evaluation and review of the company's corporate governance system, and environmental and social policy, with a view to ensuring that they fulfil their purposes of promoting the interests of society and take account, as appropriate, of the legitimate interests of other stakeholders.

d) Supervision of the company's environmental and social practices to ensure they are in alignment with the established strategy and policy.

e) Supervision and evaluation of the way in which relations with the various stakeholders are handled.

Complies

55. That environmental and social sustainability policies identify and include at least the following:

a) The principles, commitments, objectives and strategy relating to shareholders, employees, clients, suppliers, social issues, the environment, diversity, tax responsibility, respect for human rights, and the prevention of corruption and other unlawful conducts.

b) Means or systems for monitoring compliance with these policies, their associated risks, and management.

c) Mechanisms for supervising non-financial risk, including that related to ethical aspects and aspects of business conduct.

d) Channels of communication, participation and dialogue with stakeholders.

e) Responsible communication practices that impede the manipulation of data and protect integrity and honour.

Complies

56. That director remuneration be sufficient in order to attract and retain directors who meet the desired professional profile and to adequately compensate them for the dedication, qualifications and responsibility demanded of their posts, while not being so excessive as to compromise the independent judgment of non-executive directors.

Complies

57. That only executive directors should receive remuneration linked to corporate results and personal performance, as well as remuneration in the form of shares, options or rights to shares or instruments referenced to the share price and long-term savings plans such as pension plans, retirement schemes or other provident schemes.

Consideration may be given to delivering shares to non-executive directors as remuneration providing this is conditional upon their holding them until they cease to be directors. The forgoing shall not apply to shares that the director may need to sell in order to meet the costs related to their acquisition.

Complies

58. That as regards variable remuneration, remuneration policies should incorporate the necessary limits and technical safeguards to ensure that such remuneration is in line with the professional performance of its beneficiaries and not based solely on general developments in the markets or in the sector in which the company operates, or other similar circumstances.

And, in particular, that variable remuneration components:

a) Are linked to pre-determined and measurable performance criteria and that such criteria take into account the risk undertaken to achieve a given result.

b) Promote sustainability of the company and include non-financial criteria that are geared towards creating long term value, such as compliance with the company's rules and internal operating procedures and with its risk management and control policies.

c) Are based on balancing the attainment of short-, medium- and long-term objectives, so as to allow remuneration of continuous

performance over a period of time long enough to be able to assess its contribution to the sustainable creation of value, such that the elements used to measure performance are not associated only with one-off, occasional or extraordinary events.

Complies

59. That the payment of variable remuneration components be subject to sufficient verification that previously established performance or other conditions have been effectively met. Entities must include in their annual report on director remuneration the criteria for the time required and methods used for this verification depending on the nature and characteristics of each variable component.

That, additionally, companies consider the inclusion of a reduction ('malus') clause for the deferral of the payment of a portion of variable remuneration components that would imply their total or partial loss if an event were to occur prior to the time of payment date that would make this advisable.

Complies

60. That remuneration related to company results should take into account any reservations that might appear in the external auditor's report and that would diminish said results.

Complies

61. That a material portion of executive directors' variable remuneration be linked to the delivery of shares or financial instruments referenced to the share price.

Complies

62. That once share or options or financial instruments have been allocated under remuneration schemes, executive directors be prohibited from transferring ownership or exercising options or rights until a term of at least three years has elapsed.

An exception is made in cases where the director has, at the time of the transfer or exercise of options or rights, a net economic exposure to changes in the share price for a market value equivalent to at least twice the amount of his or her fixed annual remuneration through the ownership of shares, options or other financial instruments.

The foregoing shall not apply to the shares that the director may need to sell in order to meet the costs related to their acquisition or, following a favourable assessment by the nomination and remuneration committee, to deal with such extraordinary situations as may arise and so require.

Complies

63. That contractual arrangements should include a clause allowing the company to demand reimbursement of the variable remuneration components in the event that payment was not in accordance with the performance conditions or when payment was made based on data subsequently shown to have been inaccurate.

Partially complies

The Nominating, Compensation and Corporate Governance Committee is empowered to propose that the Board of Directors cancels a variable remuneration payment in the event of circumstances such as those described in this recommendation. The Nominating, Compensation and Corporate Governance Committee will also assess if exceptional circumstances of this kind may even entail the termination of the relationship with the person responsible, proposing measures which are deemed pertinent to the Board of Directors.

64. That payments for contract termination should not exceed an amount equivalent to two years of total annual remuneration and should not be paid until the company has been able to verify that the director has fulfilled all previously established criteria or conditions for payment.

For the purposes of this recommendation, payments for contractual termination will be considered to include any payments the accrual of which arises as a consequence of or on the occasion of the termination of the contractual

relationship between the director and the company, including amounts not previously vested of long-term savings schemes and amounts paid by virtue of post-contractual non-competition agreements.

Explain

With regards to the conditions applicable to termination of contracts, the Executive Chairman, Mr. José María Álvarez-Pallete López, and the Chief Operating Officer (C.O.O.), Mr. Ángel Vilá Boix, maintain the conditions of their previous contract which provided for agreed economic compensation for the termination of the employment relationship, where applicable, that can amount to four years' of remuneration at the most. Every annual payment includes the last fixed remuneration and the arithmetic average of the last two variable annual remuneration received according to contract.

Indicate whether any director voted against or abstained from approving this report.

No.

I declare that the details included in this statistical annex coincide and are consistent with the descriptions and details included in the annual corporate governance report published by the company.

4.9.3. Further information of interest

1. If there is any aspect regarding corporate governance in the company or other companies in the group that have not been included in other sections of this report, but which are necessary in order to obtain a more complete and comprehensible picture of the structure and governance practices in the company or group, describe them briefly below.

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2. This section may also be used to provide any other information, explanation or clarification relating to previous sections of the report, so long as it is relevant and not redundant.

Specifically, state whether the company is subject to any corporate governance legislation other than that prevailing in Spain and, if so, include any information required under this legislation that differs from the data requested in this report.

3. The company may also state whether it voluntarily complies with other ethical or best practice codes, whether international, sector-based, or other. In such a case, name the code in question and the date the company began following it. It should be specifically mentioned that the company adheres to the Code of Good Tax Practices of 20 July, 2010.

- Note 1 to Section 4.2.2. of Annual Corporate Governance Report and Section A.2. of Annual Corporate Governance Report Statistical Annex

In accordance with the last submitted communication by BlackRock, Inc. to the Spanish National Securities Market Commission (CNMV) on March 31, 2020, the details of the control chain through this entity owns the voting right and/or the financial instruments is the following:

1.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock (Singapore) Holdco Pte. Ltd., Blackrock HK Holdco Limited, BlackRock Lux Finco S.a.r.l., BlackRock Japan Holdings GK, BlackRock Japan Co., Ltd.

2.- BlackRock, Inc., Trident Merger, LLC, BlackRock Investment Management, LLC.

3.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Holdco 3, LLC, BlackRock Cayman 1 LP, BlackRock Cayman West Bay Finco Limited, BlackRock Cayman West Bay IV Limited, BlackRock Group Limited, BlackRock Finance Europe Limited, BlackRock Investment Management (UK) Limited.

4.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Australia Holdco Pty. Ltd., BlackRock Investment Management (Australia) Limited.

5.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Holdco 3, LLC, BlackRock Cayman 1 LP, BlackRock Cayman West Bay Finco Limited, BlackRock Cayman West Bay IV Limited, BlackRock Group Limited, BlackRock International Limited.

6.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock Holdco 4, LLC, BlackRock Holdco 6, LLC, BlackRock Delaware Holdings Inc., BlackRock Institutional Trust Company, National Association.

7.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock Holdco 4, LLC, BlackRock Holdco 6, LLC, BlackRock Delaware Holdings Inc., BlackRock Fund Advisors.

8.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc.

9.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock (Singapore) Holdco Pte. Ltd., BlackRock HK Holdco Limited, BlackRock Asset Management North Asia Limited.

10.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Holdco 3, LLC, BlackRock Cayman 1 LP, BlackRock Cayman West Bay Finco Limited, BlackRock Cayman West Bay IV Limited, BlackRock Group Limited, BlackRock Finance Europe Limited, BlackRock Investment Management (UK) Limited, BlackRock Asset Management Deutschland AG.

11.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., Blackrock Holdco 3, LLC, BlackRock Canada Holdings LP, BlackRock Canada Holdings ULC, BlackRock Asset Management Canada Limited.

12.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock Capital Holdings, Inc., BlackRock Advisors, LLC.

13.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Holdco 3, LLC, BlackRock Cayman 1 LP, BlackRock Cayman West Bay Finco Limited, BlackRock Cayman West Bay IV Limited, BlackRock Group Limited,

BlackRock Finance Europe Limited, BlackRock Advisors (UK) Limited.

14.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock (Singapore) Holdco Pte. Ltd, BlackRock (Singapore) Limited.

15.- BlackRock, Inc., BlackRock Holdco 2, Inc., BlackRock Financial Management, Inc., BlackRock International Holdings, Inc., BR Jersey International Holdings, L.P., BlackRock Holdco 3, LLC, BlackRock Cayman 1 LP, BlackRock Cayman West Bay Finco Limited, BlackRock Cayman West Bay IV Limited, BlackRock Group Limited, BlackRock Finance Europe Limited, BlackRock (Netherlands) B.V.

- Note 2 to Section A.3 of Annual Corporate Governance Report Statistical Annex

In those cases where the total percentage of voting rights does not coincide with the sum of direct and indirect shareholdings, this is due to the rounding of decimals.

The total percentage of voting rights represented on the Board of Directors (9.82%) is the result of adding the total percentage of voting rights held by members of the Board of Directors (0.34%) and the total percentage of voting rights of the Company's significant shareholders represented on the Board of Directors: Banco Bilbao Vizcaya Argentaria, S.A. (4.99%), represented on the Board of Directors by the Proprietary Director Mr. José María Abril Pérez, and CaixaBank, S.A. (4.49%), represented on the Board of Directors by the Proprietary Director Mr. Isidro Fainé Casas.

- Note 3 to Section C.1.11 of Annual Corporate Governance Report Statistical Annex

Mr. Peter Erskine resigned as a member of the Supervisory Board of Telefónica Deutschland Holding AG with effect from December 31, 2021.

In addition, other positions held by the Company's Directors (other than those requested in section C.1.11) are listed below:

Mr. José María Álvarez-Pallete López is a member of the Advisory Board of SEAT, S.A., Chairman of the GSMA Association (since February 2022), Chairman of Telefónica Foundation (since February 2022), Trustee of Profuturo Foundation and member of Board of Trustees of "la Caixa" Banking Foundation (since February 2022).

Mr. Isidro Fainé Casas is Honorary Chairman of Naturgy Energy Group, S.A., Special Advisor to the Board of the Bank of East Asia Limited, member of the Board of Trustees of the Museo Nacional del Prado and member of the Board of Trustees of the Carlos Slim Foundation.

Mr. José Javier Echenique Landiríbar is a Trustee of the Novia Salcedo Foundation, Advisor of the Deusto Business School and member of the Basque Businessmen Circle.

Mr. Ángel Vilá Boix is a Trustee of Telefónica Foundation and Member of the Advisory Boards of Telefónica España and Telefónica Tech.

Mr. Juan Ignacio Cirac Sasturain is Co-Director of the Centre for Quantum Sciences and Technologies Munich, Director of the International Max-Planck School of Quantum Sciences and Technologies, Universal Honorary Professor of Technology Munich, and Member of the Advisory Board of Telefónica Tech.

Mr. Peter Erskine is Chairman of the BRAINSTORM Charity.

Ms. Carmen García de Andrés is President of the Tomillo Foundation, member of the Board of Trustees of the Youth Business Spain Foundation, Member of the Board of Directors of the Spanish Association of Foundations (AEF), member of the Board of Trustees of the Fundación Secretariado Gitano, member of the Board of Trustees of the Xavier de Salas Foundation, member of the Board of the collective initiative Juntos por el Empleo de los más desfavorecidos (Together for the Employment of the most disadvantaged), and Co-Founder and member of the Board of Trustees of the Fundación Aprendiendo a Ser.

D. Peter Löscher is Emeritus Member of the Advisory Council of the Singapore Economic Development Board, Member of the International Advisory Board of Bocconi University and Honorary Professor at Tongji University (Shanghai).

Ms. Verónica Pascual Boé is Member of the Advisory Board of Telefónica Tech.

Mr. Francisco José Riberas Mera is Chairman of Sernauto (Association of Automotive Suppliers), Chairman of the Spain-China Advisory Council Foundation and Chairman of the Endeavor Foundation in Spain.

Ms. Claudia Sender Ramírez is Member of the Advisory Board of Telefónica Tech.

- Note 4 to Section C.1.14 of Annual Corporate Governance Report Statistical Annex

The total remuneration of Senior Management includes the amount corresponding to the gross shares that the Senior Executives of the Company are entitled to receive at the end of the Second Cycle (2019–2022) of the Performance Share Plan.

- Note 5 to Section D.2 of Annual Corporate Governance Report Statistical Annex

See complementary information in [Note 11 \("Related Parties"\)](#) to Telefónica, S.A.'s 2021 Consolidated Financial Statements.

- Note 6 to Section D.5 of Annual Corporate Governance Report Statistical Annex

There are no significant operations due to their amount or relevant due to their subject matter carried out by Telefónica, S.A. or its subsidiaries with Grupo Telefónica Factoring and Adquira España, S.A. This information is

included in [Note 10 \(Associates and joint ventures\)](#) and in [Note 11 \(Related parties\)](#) of the Consolidated Annual Accounts of Telefónica, S.A. corresponding to fiscal year 2021.

- Note 7 to Section G of Annual Corporate Governance Report Statistical Annex

It is noted that Recommendations 2, 10, 11, 19, 20, 23, and 28 have been indicated as not applicable as the situation referred to in these Recommendations has not been verified during the 2021 financial year.

- Note 8: Detail any material agreements entered into by the company that come into force, are modified or are terminated in the event of a change in control of the company following a public takeover bid, and their effects.

1. On April 29, 2013, Telefónica, S.A. and TLK Investment, CV (which belongs to Corporación Multi-Inversiones, or "CMI", a Business Group domiciled in Guatemala) signed an agreement whereby Telefónica and CMI incorporated a joint business venture called Telefónica Centroamérica Inversiones, S.L.U. ("TCI"), in which Telefónica contributed its assets in Central America (except for its Costa Rica assets) and CMI made a monetary contribution of USD 500,000,000. As a result of these contributions, Telefónica owns a 60% interest in the share capital of TCI, while CMI's stake is 40%. This arrangement was completed on August 2, 2013.

Telefónica and CMI also entered into a Shareholders' Pact in TCI, which includes a change of control clause stipulating that if there was a change of control of CMI or Telefónica, the other party would be fully entitled to: (i) exercise the right to acquire (call option) the entire stake held in TCI by the shareholder over which control has changed at the date control changed; or (ii) exercise the right to sell (put option) the entire stake the former held in TCI to the latter. In both cases, the purchase price of the stake shall be TCI's market value calculated by an independent expert.

For the purposes of the Shareholders' Pact, a change of control shall be: (i) in the case of CMI, when the last natural person or corporate body controlling CMI ceases to do so; and (ii) for Telefónica, when a natural person or corporate body not controlling Telefónica assumes control. In both instances, "control" shall be as specified in the International Financial Reporting Standards (IFRS).

2. - Financing agreements:

On January 15, 2018, Telefónica, S.A., as borrower, and a group of credit entities, as lenders, with National Westminster Bank plc as the agent bank, entered into a syndicated loan amounting up to EUR 5,500 million.

On January 13, 2022, Telefónica, S.A. executed an amendment to the referred syndicated facility agreement with several domestic and international financial entities

for a maximum aggregate amount of five thousand and five hundred (5,500) million euros, linked to sustainability objectives: greenhouse gas emissions reduction and increase of women in executive positions.

Likewise, on December 11, 2015, Telefónica, S.A., as borrower, and Banco Bilbao Vizcaya Argentaria, S.A. Niederlassung Deutschland, the Bank of Tokyo-Mitsubishi UFJ, Ltd., sucursal in Spain, Mizuho Bank Ltd, AB Svensk Exportkredit and Société Générale S.A., as original lenders, and with the support of Exportkreditnämnden, signed a financing agreement amounting up to USD 750 million. Also on that same date, Telefónica, S.A., as borrower, and Banco Santander, S.A. and Crédit Agricole Corporate and Investment Bank as original lenders, with the support of Finnvera Plc, entered into a financing agreement amounting up to EUR 500 million.

As provided for in all of the aforementioned contracts, in the event of a change of control in Telefónica, S.A., lenders may, under certain circumstances, require the early termination of these financing agreements.

The financing contracts consider the usual criteria in these types of agreement to determine if there has effectively been a change of control, such as obtain a majority of the voting rights, have the power to appoint a majority of the members of the management body, or have control over the financial and operating policies of the company.

Finally, it should be said that as of the year 2010, Telefónica, S.A. adheres to the Code of Good Fiscal Practices, as approved by the Large Companies' Forum - body in which major Spanish companies and the Spanish tax authorities participate-, and complies with the content of the same.

Similarly, Telefónica Group is committed to the application of other international regulations and initiatives in the area of sustainability as well as, among others, the Universal Declaration of Human Rights, the United Nations Global Compact, and other conventions and treaties agreed by international bodies such as the Organization for Economic Cooperation and Development and the International Labor Organization.

This annual corporate governance report was approved by the company's Board of Directors at its meeting held on February 23, 2022.

Indicate whether any Directors voted against or abstained from voting on the approval of this report.

No

Chapter 5:

Annual Report on Remuneration of the Directors

5.1. Annual Report on Remuneration

5.2. IAR Statistical Annex



5.1. Annual Report on Remuneration

GRI 102-37

Introduction to the report

This section and section 5.2. below constitute the Annual Report on Remuneration for the Directors of Telefónica, S.A. (hereinafter referred to as "Telefónica" or the "Company"), which must be drawn up and submitted to an advisory ballot at the General Shareholders' Meeting. Pursuant to the provisions in Act 5 of 12 April 2021 amending the redrafted text of the Corporate Enterprises Act, this report forms part of the Company's Management Report. This report will remain accessible on the websites of the Company and the Spanish National Securities Market Commission (CNMV) for the legally stipulated term.

This report is essentially composed of two sections:

First, a summary of our Directors' Remuneration Policy (hereinafter referred to as the "Remuneration Policy") applicable in 2022, which was approved with 88.97% of the votes cast at the Company's General Shareholders' Meeting held on 23 April 2021, and which will remain in force until 31 December 2023 (this Policy can be accessed at the following link: <https://www.telefonica.com/en/wp-content/uploads/sites/5/2021/10/remunerations-policy-directors-telefonica.pdf>).

It should be noted that Telefónica pre-empted the new requirements set out in Act 5 of 12 April 2021 amending the redrafted text of the Spanish Corporate Enterprises Act, and that the aforementioned Remuneration Policy already includes the new provisions introduced in Article 529 Novodecies of such Act, which relate to the content and procedure for the approval of the directors' remuneration policy. Therefore, there will be no need for the approval of a new policy at the next General Shareholders' Meeting.

Secondly, it provides a description of how the Directors' Remuneration Policy has been applied throughout 2021. Two remuneration policies were applicable in this financial year:

- From 1 January to 22 April, the directors' remuneration policy approved at the Company's General Shareholders' Meeting held on 8 June 2018, with 88.45% of the votes cast (this Policy can be accessed at the following link: <https://www.telefonica.com/es/wp-content/uploads/sites/4/2021/08/politica-remuneracionesconsejeros-2018.pdf>).
- From 23 April to 31 December, the Remuneration Policy approved on 23 April 2021. Section 03.2 of the aforementioned Policy outlines the main changes introduced, which were limited to the remuneration of Executive Directors.

Provided below is the background against which certain remuneration-related decisions have been made, in particular the extraordinary corporate transactions that have been performed or carried out in 2021 and which have been considered by the Nominating, Compensation and Corporate Governance Committee, when applying the Remuneration Policy.

Telefónica's results in 2021

The strength of Telefónica's performance in 2021 signalled a turning point in its transition to sustainable and profitable growth. Since the second quarter of the year, Telefónica has returned to solid organic year-on-year growth in terms of turnover and OIBDA and has taken two of the most significant steps in its long-term strategy with the creation of the VMED O2 joint venture and the sale of the Telxius telecommunications' towers division.

The VMED O2 joint venture has further strengthened the Telefónica Group's presence in one of its key markets through its exposure to the UK's largest converged operator, complementing its leadership position in Spain, Brazil and Germany. Combined with the sale of towers in Europe and Latin America, this contributed to a net profit of EUR 8.1 billion in 2021 (five times the net profit in 2021), while also bringing down net financial debt by a further EUR 9.2 billion or 26.1% year-on-year to EUR 26 billion and strengthening the balance sheet with a significant increase in equity attributable to Telefónica shareholders, which doubled compared to December 2020.

Simultaneously, there has been further investment in long-term growth and profitability, with CapEx from growth in the next generation networks accounting for roughly 45% of total CapEx (excluding spectrum) in 2021. The focus on lowering capital intensity and increasing operational efficiency and digitalisation has made it possible to deliver this increased investment together with solid free cash flow generation of €3.8 billion, excluding spectrum payments, 25% year-on-year affected by the deconsolidation of the Telxius and T. UK towers, and by the recovery of pre-COVID-19 investment levels.

The foregoing has meant that Telefónica has had its best year on the stock market since 2009 with a share price increase of close to 18.7% and a Total Shareholder Return (hereinafter referred to as "TSR") of 29.6%. The Company's total increase in 2021 has outperformed the Ibex 35 (7.9%) and its TSR (10.5%). It has also outperformed the share price rise of 11.8% and the RTA (16.5%) of the European telecommunications sector in 2021.

Extraordinary corporate transactions in 2021

Throughout 2021, Telefónica announced, carried out or completed some of the most important corporate transactions in the history of the Telefónica Group, which will allow it to continue to gain strategic and financial flexibility. These transactions notably include the following:

As outlined above, in the UK, an agreement was reached with Liberty Global to combine O2 and Virgin Media to form a company owned 50/50 by the two companies (VMED O2).

The sale of the telecommunications tower division of the subsidiary Telxius to American Tower Corporation was completed (roughly 34,000 sites in Spain, Germany, Brazil, Peru, Chile and Argentina).

In Brazil, Telefónica won the auction of Oi's mobile assets together with partners TIM Brasil and Claro.

In Germany, a vehicle (UGG) jointly owned by Telefónica Infra and Allianz has been created for the deployment of 50,000 km of fibre to cover more than two million households in rural and semi-rural areas with less than 10,000 inhabitants.

In Hispanic America, the Costa Rica and El Salvador operator has been sold.

These transactions, most of which were completed in 2021, have helped generate around €9.5 billion to bring down the group's net financial debt, a reduction of 27% compared to December 2020, and to pursue new opportunities for growth.

Remuneration accrued in 2021 by the Executive Directors

The impact on the variable remuneration components was as follows:

Short-Term Variable Remuneration: The relative metrics and weights determined for 2021 were OIBDA (30%), Operative Income (30%), Free Cash Flow (20%) and non-financial targets - ESG (20%).

Bearing in mind the foregoing, the weighted payment coefficient has risen to 85% of the maximum amount. This percentage is mainly explained by the fact that the degree of achievement of the financial objectives as a whole was above 100%. In addition, the degree of achievement of the non-financial - ESG objectives as a whole has also exceeded the target levels.

Long-Term Variable Remuneration: The performance period for the second cycle (2019-2022) of the 2018-2023 Long Term Incentive Plan ended on 31 December 2021. 50% of the incentive was subject to the relative TSR and 50% to the Free Cash Flow generated in each of the years in the performance period. No amount whatsoever was accrued regarding the relative TSR due to the behaviour of Telefónica's shares related to the comparison group, notwithstanding the improved

performance of the stock. However, the Free Cash Flow target has been achieved. The incentive shall be paid during March 2022.

Taking into account the Telefónica's share price as at 31 December 2021, the economic value of the incentive to be received in shares by the Executive Directors would be limited to approximately 25% of the incentive originally awarded.

Extraordinary Variable Remuneration: The Directors' Remuneration Policy approved at the last General Shareholders' Meeting in 2021 gives the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, would be authorised to decide to grant extraordinary remuneration to Executive Directors and other Senior Executives of the Company as a recognition of the effort and special dedication in relation to the achievement of certain strategic milestones and the execution of certain corporate transactions of exceptional relevance, considering criteria such as the extraordinary effort of the Executive Directors in corporate transactions of high relevance, complexity and singularity, which generate significant value for the Company's shareholders and/or an economic benefit or a significant increase in equity, and the extraordinary performance of the business that allows the Company's strategic milestones to be achieved.

Following an in-depth review of the design and execution process of the aforementioned extraordinary corporate transactions, which also had a very significant impact on the Company's financial statements, the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, approved the allotment of an extraordinary cash remuneration to the Executive Chairman and the Chief Operating Officer, whose efforts and dedication were crucial to the development of the business and the success of the corporate transactions. Specifically, the amount of this Extraordinary Variable Remuneration amounted to one year of its Fixed Remuneration. This amount is within the limits established by the Remuneration Policy, both in absolute terms and in relation to the maximum amount of total remuneration to be allocated to executive directors. Section 5.1.6.D of the report sets out in detail the criteria taken into account by the Board of Directors in awarding such remuneration.

The sections below set out all the information on the applicable guidelines for the Directors' remuneration, along with a breakdown of the remuneration for the 2021 financial year and forecasts for the 2022 financial year.

5.1.1. Principles of the Remuneration Policy

At the General Shareholders' Meeting held on 23 April 2021 Telefónica submitted the Remuneration Policy, which will remain in force until 31 December 2023. The Remuneration Policy maintains the essential principles applied in the previous financial years and was approved

by the General Shareholders' Meeting with 88.97% of the votes cast.

The main focus of Telefónica's remunerative strategy is to attract, retain and motivate professionals of the Company, enabling it to achieve its strategic targets within the highly

competitive and globalised setting in which it performs its business, by applying the most appropriate measures and practices for such purpose.

Based on the foregoing, the principles of the Remuneration Policy are the following:

		Executive Directors	Non- Executive Directors
Value creation	Alignment with the shareholders' interests and the aim of sustainably creating value over time.		
Pay for Performance	A significant part of the total remuneration for Executive Directors is variable and receiving it is subject to achieving financial, business, value creation and ESG targets that are predetermined, specific, quantifiable, and aligned with the Company's corporate plan.		
Flexibility	The variable remuneration is not guaranteed and is sufficiently flexible so that there is a possibility of not paying this component.		
Competitiveness	In order to ensure the Company has the best professionals on board, the remuneration package must be competitive, both in its structure and its overall amount, with respect to other comparable companies at an international level.		
Good Governance	When determining the remuneration for the Directors, the Company takes into consideration the developments taking place in regulations, best practices and national and international recommendations and trends related to the remuneration of Directors of companies listed on the stock market.		
Fair Pay	The professional value, experience, time spent and responsibility of each director is sufficiently remunerated, ensuring that the remuneration policies and practices guarantee there is no discrimination for any reason (among others, due to gender, age, culture, religion and/or race).		
Suitability	The amounts are sufficient to remunerate the qualifications, time spent and responsibility of the Directors, guaranteeing their required loyalty and allegiance to the Company, without compromising the independence of the Non-Executive Directors.		
Transparency	The level of transparency in relation to remuneration is in line with the best corporate governance practices in order to create trust among all the stakeholders, including shareholders and investors.		

In addition, in order to determine the remuneration terms and conditions for the Executive Directors, the remuneration scheme applicable to the Company's employees has been taken into account, as follows:

Specifically the following:

The Remuneration Policy for the Executive Directors is aligned with the policy for the other employees and shares the same principles and criteria for action.

In addition, the elements included in the Directors' remuneration for their executive duties are aligned with the components included in Telefónica's executive group remuneration package.

Notwithstanding the foregoing, as detailed in the following section 5.1.5, it is planned to propose for the decision of the next General Shareholders' Meeting, a new Remuneration Policy that is along the same lines that the current, even though some new items have been added to develop certain components and issues that have been considered appropriate regarding corporate governance and remuneration trends. However, these new items have no impact on the aforementioned principles. The new Remuneration Policy, provided that it is approved at the General Shareholders' Meeting, will come into force since the date that such meeting is held.

5.1.2. What we do

Executive Directors

Linking the payment of the remuneration to the Company's results ("pay for performance").

The weighting of the financial metrics to which the Short-Term Variable Remuneration is linked represents at least 80%.

The remuneration is aligned with the interests of all the shareholders and society as a whole, since a part of the variable remuneration is linked to sustainability (ESG⁶) objectives.

Long-Term Incentive Plans:

- A minimum performance period of three years for measurement of the objectives.
- Delivery in shares.
- Linked to metrics aligned with Telefónica's long-term strategic objectives, sustainability (ESG) objectives included.
- Holding 100% of the awarded shares for a term of two years. This term is extended to 3 years extension in case of non-compliance with the permanent shareholding commitment.

Standard malus and clawback clauses, which are applied to any variable remuneration component.

Requirement to permanently hold shares for a value equivalent to twice the fixed remuneration.

Consideration of the quality of the results in the long-term and any associated risk in the evaluation process of variable remuneration.

Recurrent external advice for the purpose of considering market practices as an additional factor to be taken into account in the process of adopting decisions on the Remuneration Policy's design.

No guaranteed variable remuneration.

Non-discrimination for any reason is guaranteed regarding remuneration (among others gender, age, culture, religion or race). Telefónica's staff are remunerated based on their professional merit, skills, experience, time spent and the responsibility they undertake.

Non-Executive Directors

Remuneration is determined in accordance with the responsibilities and duties undertaken by each Director but without compromising the members' independence.

The Non-Executive Directors are not included in the remuneration formulae or systems linked to the individual or Company's performance.

The Non-Executive Directors are not paid in shares, options, stock options or any share-linked instruments.

The Non-Executive Directors do not participate in any long-term savings systems, such as retirement plans, pension plans and any other welfare systems.

5.1.3. The Remuneration Policy of Telefónica applicable in 2022 GRI 102-35, 102-36

Telefónica regularly conducts a reflection process of the Remuneration Policy in force, in which it considers both internal and external factors:

Internal factors: The short- and long-term targets set, the results obtained by the Group, the link to the Strategic Plan and to sustainability, as well as their alignment with the Company's general employee remuneration policy.

External factors: The recommendations received in the involvement process that Telefónica regularly conducts with investors, shareholders and proxy advisors, market practices of relevant companies for Telefónica due to being competitors or because of their business or talent and companies considered high performers and general corporate governance recommendations at an international level.

Upon completion of this analysis, the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, submitted the current Remuneration Policy for approval at the General Shareholders' Meeting in 2021, effective from the date of the Meeting (23 April 2021) and shall remain in force until 31 December 2023, notwithstanding any adaptations or updates that may be made by the Board of Directors in accordance with the provisions therein, and any amendments that may be approved by the General Shareholders' Meeting of Telefónica at the time.

5.1.4. The Executive Directors' remuneration in 2022 GRI 102-35, 102-36

As specified above, on the date of this Report, the Executive Directors of Telefónica, S.A. are Mr. José María Álvarez-Pallete López, Executive Chairman, and Mr. Ángel Vilá Boix, Chief Operating Officer/COO.

Pay for performance and pay mix

The remunerative system for Telefónica's Executive Directors is characterised by its competitiveness and high demands. The variable remuneration, which is designed to incentivise achievement of the company's short- and long-term targets, is one of the fundamental pillars of this system.

⁶ Environmental, Social and Governance

In this respect, Telefónica's long-term strategy is based on the following three basic pillars, which are linked to the variable remuneration of Telefónica's whole human team:

- i. Growth, in the form of Operative Revenue and Total Shareholders Return;
 - ii. Efficiency, through improving the OIBDA, generating Free Cash Flow and efficient consumption of natural resources or the circular economy;
 - iii. Trust. Telefónica is a company that is fully committed to sustainability. For such purpose, factors such as customer trust, society trust, gender equality or the contribution to the reduction of climate change are weighted.

Therefore, receiving both Short-Term and Long-Term Variable Remuneration are linked to achieving certain financial and business operational and sustainability (ESG) objectives.

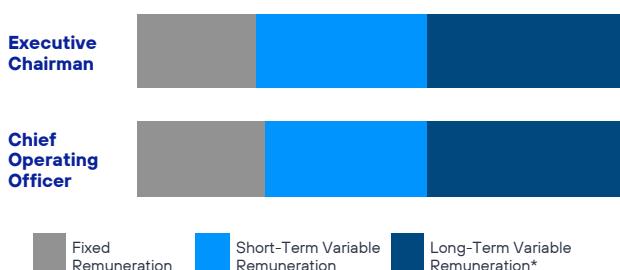
All the objectives are predetermined, specific, quantifiable and aligned with Telefónica's strategic goals, strictly determined and assessed by the Nominating, Compensation and Corporate Governance Committee, which monitors them, so that their alignment with Telefónica's social interests is ensured.

Executive Directors have a variable remuneration scheme that is fully flexible, which includes a minimum threshold below which no incentive is payable. The short- and long-term variable remuneration percentage may become relevant if the maximum level is achieved. In any case, such percentage of their total remuneration (considering, for such purpose, the sum of the Fixed Remuneration, Short-Term Variable Remuneration and the annualised long-term incentive) may not exceed 85%.

The pay mix for Telefónica's Executive Directors is shown below, bearing in mind a situation in which the stipulated targets are achieved:

Executive Directors' remuneration structure for 2022

At Telefónica, results-based remuneration has a significant weighting in total remuneration (remuneration structure for 100% or target level achievement of targets)



*The remuneration mix is shown in accordance with an allocation equivalent to 200% of the Fixed Remuneration for the Executive Chairman and 180% for the Chief Operating Officer. For such purpose, remuneration in kind, contributions to pension plans for Telefónica employees, contributions to the retirement plan for executives and possible extraordinary remuneration have not been taken into account.

The figure is a treemap visualization illustrating the distribution of various metrics across different types of objectives. The total area is divided into three main vertical sections: a large blue section on the left, a green section in the middle, and a dark blue section at the bottom. The blue section is further subdivided into four horizontal rows. The green section is also subdivided into four horizontal rows. The dark blue section is subdivided into two horizontal rows. Each row represents a metric, and the size of each segment within a row represents its relative weight or contribution to that metric.

Type of objective	Metric	Weighting
Blue Section	Metric 1	Large
	Metric 2	Medium
	Metric 3	Small
	Metric 4	Very Small
Green Section	Metric 1	Large
	Metric 2	Medium
	Metric 3	Small
	Metric 4	Very Small
Dark Blue Section	Metric 1	Large
	Metric 2	Medium

Components of the remuneration package in 2022:

The elements included in the remuneration package for executive directors for the performance of their executive duties are similar to those of the 2021 financial year:

A. FIXED REMUNERATION

Purpose:

Suitable compensation for performing their executive duties according to the level of responsibility, leadership and performance within the organisation, promoting the retention of key staff and attracting top talent and creating sufficient economic independence to balance the significance of other remunerative items.

Amount:

No increases in the Executive Directors' fixed remuneration are expected during 2022.

Executive Chairman: €1,923,100.

This remuneration is the same as the amount paid since 2013 and it was determined for his position as Chief Operating Officer and remained the same after his appointment as Chairman in 2016. This remuneration is 13.8% lower than the one determined for the position of Executive Chairman prior to his appointment as such.

Chief Operating Officer: €1,600,000.

This remuneration is the same as the amount paid when Mr. Vilá was appointed as a Chief Operating Officer of the company on 26 July 2017.

Functioning:

The annual gross fixed remuneration is paid on a monthly basis in cash. This remuneration is determined by the Board of Directors according to a proposal made by the Nominating, Compensation and Corporate Governance Committee.

This remuneration may be adjusted every year depending on the criteria approved from time to time by the Nominating, Compensation and Corporate Governance Committee. The maximum increase for the term of the Policy may not exceed 10% of the gross annual salary on an annualised basis. In certain situations, such as the achievement of extraordinary results by the Telefónica Group, a change in the size and complexity of the business, a change in responsibility, development in the position and/or special retention and motivation needs, the Nominating, Compensation and Corporate Governance Committee may decide to apply higher increases. The underlying reasons will be explained in the relevant Annual Report on the Directors' Remuneration.

B. SHORT-TERM VARIABLE REMUNERATION

Purpose:

To reward the achievement of a combination of financial objectives, business transactions and ESG targets that are pre-determined, specific, quantifiable and aligned with the social interest and Telefónica's strategic objectives.

Amount:

Target Amount (this is reached when 100% of the pre-determined targets have been achieved)

- i. The Executive Chairman: 180% of the Fixed Remuneration.
- ii. Chief Operating Officer: 150% of the Fixed Remuneration.

Maximum Amount (this is reached when the pre-determined targets are achieved at the maximum level)

- i. Executive Chairman: 233.10% of the Fixed Remuneration (129.5% of the target).
- ii. Chief Operating Officer: 194.25% of the Fixed Remuneration (129.5% of the target).

The target and maximum amounts are the same as in 2018, as set out in the 2021 Remuneration Policy.

Metrics:

For the financial year 2022, the Nominating, Compensation and Corporate Governance Committee has reviewed the objectives, metrics and performance scales to be applied in order to ensure fulfilment of the Telefónica Group's Strategic Plan. As a result, the Board of Directors has selected the quantifiable and measurable metrics that best reflect the Telefónica Group's value creation levers, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee:

80% of the objectives are operational and financial:

- 30% of the objectives are linked to the OIBDA, which reflects both the Group's growth and development in operational execution.
- 30% of the objectives are linked to the Operative Income, which enables the Telefónica Group's growth to be measured.
- 20% of the objectives is linked to the Free Cash Flow, which is key to meeting the Company's financial commitments.

The remaining 20% is linked to sustainability (ESG) objectives, aligned with the company's Strategic Plan:

- 9% of the objectives is linked to Customer Trust, not only related to Telefónica but also in relative terms compared with our competitors:
 - NPS (5%).
 - NPS GAP (4%).
- 11% of the objectives is linked to other sustainability (ESG) targets:
 - Climate Change (GHG Emissions - 5%).
 - Gender Equality - % of Women in executive positions (3%).
 - Society's Trust (REP Trak - 3%).

Functioning:

The aforementioned objectives are approved by the Board of Directors at the beginning of each financial year, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee.

The maximum level of the Short-Term Variable Remuneration target in 2022 remains at 129.5% in the case of the maximum achievement of the pre-determined targets.

For the purpose of calculating the payment coefficient obtained for each level of target achievement, a performance scale is determined for each metric, which includes a minimum threshold below which no incentive is paid. In case of 100% achievement of the targets set, the target Short-Term Variable Remuneration will be paid and, in case of maximum achievement of the targets the maximum Short-Term Variable Remuneration will be received.

Information in greater detail is provided below about the scales for achieving each of the targets and how the stipulated maximum is achieved:

Metrics	Weighting (%)	Payments levels (% of target)			% of maximum weighted payment
		Min.	Target	Max.	
Financial Objectives (80%)					
OIBDA	30%	50%	100%	140%	42.00%
Operating Revenue	30%	50%	100%	125%	37.50%
Free Cash Flow	20%	50%	100%	125%	25.00%
ESG Objectives (20%)					
NPS	5%	50%	100%	125%	6.25%
NPS GAP	4%	50%	100%	125%	5.00%
Climate Change - GHG Emissions	5%	50%	100%	125%	6.25%
Gender Equality - % of women in executive positions	3%	50%	100%	125%	3.75%
Society's Trust - REP Trak	3%	50%	100%	125%	3.75%
		100%		129.50%	

In order to calculate the amount of the Short-Term Variable Remuneration, the Nominating, Compensation and Corporate Governance Committee firstly considers the level of achievement and weighting of each target on an individual basis and then the overall level of achievement of the objectives as a whole. For such purpose, it applies the internal objective assessment rules and procedures set out by the Company for its executives. When conducting this assessment, the Nominating, Compensation and Corporate Governance Committee is supported by the Audit and Supervisory Committee, which provides information about the results audited by the company's external auditor (PRICEWATERHOUSECOOPERS AUDITORES, S.L.) and by the internal audit. The Committee also considers any associated risk for both setting the targets and assessing their achievement.

In this respect, any positive or negative economic effects caused by extraordinary events that could distort the findings of the assessment are disregarded and the long-term quality of the results and any associated risk are considered in the proposed Short-Term Variable Remuneration.

The Short-Term Variable Remuneration is fully paid in cash providing the targets set for this purpose have been achieved. This remuneration will not be paid until the Nominating, Compensation and Corporate Governance Committee and the Audit and Supervisory Committee have carried out the actions described above in the first quarter of the following year.

Moreover, the Nominating, Compensation and Corporate Governance Committee is authorised make a proposal to the Board of Directors to fully or partially cancel payment of the short-term variable remuneration if certain unforeseen circumstances arise, as described in this Report, as well as its partial or full clawback within twenty-four (24) months after the payment thereof.

C. LONG-TERM VARIABLE REMUNERATION

Purpose:

To increase the Executive Directors' and management team's commitment to the company and its Strategic Plan, linking their remuneration to creating value for the shareholders and sustainable achievement of the strategic targets, so that they are in line with the best remuneration practices. In turn, by means of its Long-Term Incentive Plan, the company also aims at offering a competitive remuneration package that contributes to retaining the managers who hold key positions in the organisation.

Description:

A new Long-Term Incentive Plan 2021-2026 was approved by the General Shareholders' Meeting held in 2021, consisting of payment with Telefónica, S.A.'s shares. The Executives of the Telefónica Group, including the Executive Directors of Telefónica, S.A., who meet the requirements stipulated for such purpose from time to time, are invited to take part in such Plan.

The total term of the Plan is five (5) years divided into three (3) cycles, which are independent from each other, of three (3) years each (in other words, by delivering the shares corresponding to each cycle once three years have elapsed counted from the start of each cycle).

1. The first cycle 2021-2024: The target measurement period began on 1 January 2021 and will end on 31 December 2023. If the targets are achieved, the shares will be settled in 2024, once the annual accounts for the financial year 2023 have been drawn up and audited. The number of shares granted represented, at their grant value, 200% of the Fixed Remuneration for the Executive Chairman and 180% of the Fixed Remuneration for the Chief Operating Officer.
2. The second cycle 2022-2025: The performance period began on 1 January 2022 and will end on 31 December 2024. If the targets are achieved, the shares will be settled in 2025, once the annual accounts for the year 2024 have been drawn up and audited.

The number of shares granted represented, at their assignment value, 200% of the Fixed Remuneration for the Executive Chairman and 180% of the Fixed Remuneration for the Chief Operating Officer.

3. The third and last cycle 2023-2026: The performance period will begin on 1 January 2023 and will end on 31 December 2025. If the targets are achieved, the shares will be settled in 2026, once the annual accounts for the year 2025 have been drawn up and audited. The assignment of the actions of this third cycle will take place in 2023.

Moreover, the performance period for the third cycle of the Long-Term Incentive Plan 2018-2023 will remain in force in 2022, as approved at the General Shareholders' Meeting in 2018, to determine, when appropriate, the shares that the members will eventually receive. The features and terms of this Plan can be seen in the Annual

Remuneration Reports for the financial years 2019 and 2020.

Metrics and functioning of the second cycle of the Long-Term Incentive Plan 2021-2026:

The metrics determined for the Second Cycle of the Long-Term Incentive Plan 2021-2026 are the Relative TSR (50%), Free Cash Flow (40%) and Neutralisation of CO₂ Emissions (10%).

Metrics	Weighting (%)	Company results	Incentive to be accrued (%)
Relative TSR ¹	50%	75th percentile or above	100%
		Median	30%
		Below median	0%
Free Cash Flow	40%	100% achievement	100%
		90% achievement	50%
		Lower than 90% achievement	0%
Neutralisation of CO ₂ emissions to achieve net zero emissions in 2025 ²	10%	100% achievement	100%
		90% achievement	50%
		Lower than 90% achievement	0%

¹Comparison group: Vodafone Group, America Movil, Deutsche Telekom, BT Group, Orange, Telecom Italia, Telenor, TeliaSonera, Swisscom, Koninklijke KPN, TIM Brasil, Proximus, Millicom, Liberty Global.

²In addition, in order for the incentive to be paid, a minimum level of emission reductions must be achieved.

Each of these metrics is explained below:

Relative TSR (50%)

Definition: Share profitability taking into account the sum of the cumulative variation of Telefónica's share value, plus the dividends and other similar items received by shareholders during the cycle in question.

Determining the level of achievement: The evolution of TSR from Telefónica's shares is measured from the beginning of the cycle (2022) until the end of such cycle (2024), in relation to the TSR from other companies pertaining to the telecommunication sector, weighted depending on their relevance to Telefónica S.A. that, for the purpose of the Plan, will be used as the comparison group. The companies included in the comparison group are the following: Vodafone Group, America Movil, Deutsche Telekom, BT Group, Orange, Telecom Italia, Telenor, TeliaSonera, Swisscom, Koninklijke KPN, TIM Brasil, Proximus, Millicom y Liberty Global.

Performance Scale: The number of shares to be delivered associated with the achievement of this target will be between 15% of the number of theoretical shares granted, in the case the evolution of the TSR of Telefónica S.A.'s shares is, at least, the median of the Comparison Group (below this threshold no incentive will be payable) and 50% if the evolution is in the third or higher quartile of the comparison group. The percentage by linear

interpolation is calculated for those that are between the median and the third quartile.

Free Cash Flow (40%)

Definition: Free cash flow generation (FCF).

Determining the level of achievement The level of FCF generated by the Telefónica Group is measured during each year, in comparison with the value set in the budgets approved by the Board of Directors for each year, considering the final level of achievement of FCF, the average of the annual partial results obtained and approved by the Nominating, Compensation and Corporate Governance Committee.

Performance Scale: For each cycle, the Board of Directors, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee, determines a performance scale that includes a minimum threshold of 90% achievement, below which no incentive is paid and the achievement of which implies 20% of the theoretical shares assigned being provided, and a maximum level of 100% achievement, which implies 40% of the theoretical shares granted being settled.

Neutralisation of CO₂ Emissions (10%)

Definition: Neutralisation of the Telefónica Group's CO₂ emissions level by 31 December 2024, with the additional requirement for the incentive to be paid being to achieve a minimum level of scope 1 + 2 emissions reduction, in line with the 1.5 °C scenario of the Paris Agreement (SBTi) and with the Company's target of net zero emissions by 2025 in its main markets for scopes 1 + 2.

Emissions neutralisation refers to the purchase of carbon credits to absorb CO₂ from the atmosphere. To become a net zero company, CO₂ emissions must be reduced (scopes 1+2) in line with the 1.5 °C scenario and all remaining emissions, i.e. those that could not be avoided, must be neutralised.

Carbon credits involve the purchase of CO₂ certificates on the voluntary market. These credits are generated from projects that absorb CO₂ from the atmosphere, which must be certified to international standards of the highest quality and where possible have social benefits associated with them. This is verified on an annual basis by an external auditor.

Scope 1 and 2 emissions consist of direct and indirect CO₂ emissions from daily activity caused by fuel consumption, leakage of refrigerant gases and electricity use.

Determining the level of achievement: Net emissions are calculated as the difference between Scope 1+2 emissions and the purchase of carbon credits.

The level of direct and indirect CO₂ emissions from Telefónica's daily activity is calculated in accordance with the following formulation:

$$\text{CO}_2 \text{ emission} = \text{Activity} \times \text{Emission Factor}$$

Where:

- Activity: The amount of energy, fuel, gas, etc. consumed by the company.
- Emission Factor: The amount of CO₂ emitted into the atmosphere by the consumption of each activity unit.

For electricity, the emission factor provided by official sources (European Union, Ministries, CNMC, etc.) is used and for fuels the GHG Protocol emission factors are used.

Performance Scale: At the beginning of each cycle, the Board of Directors, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee, determines a performance scale that includes a minimum threshold of 90% achievement, below which no incentive is paid and the achievement of which implies 5% of the theoretical shares granted being settled, and a maximum level of 100% achievement, which implies 10% of the theoretical shares assigned being provided. In addition, achieving a minimum level of emission reductions of Scope 1 + 2, in line with the 1.5°C scenario of the Paris Agreement (SBTi), will be necessary for the incentive to be paid.

Operation of the second cycle of the Long-Term Incentive Plan 2021-2026:

The Nominating, Compensation and Corporate Governance Committee conducts an assessment of the targets on an annual basis and, once each cycle has ended, the level of achievement is determined. When conducting this assessment, the Nominating, Compensation and Corporate Governance Committee is supported by the Audit and Supervisory Committee, which provides information on the results audited by the external auditor and the Company's internal auditor, which will have been analysed first by the Audit and Supervisory Committee itself. The Committee also takes into consideration any associated risk for both setting the targets and assessing their achievement.

When determining the achievement level, any positive or negative economic effects caused by extraordinary events that may distort the findings of the assessment are disregarded and the long-term quality of the results are considered in the proposed Long-Term Variable Remuneration.

In order for each of the members to be entitled to receive the corresponding shares, they must have held an employment or commercial relationship with the Telefónica Group on the date the shares of each cycle are provided (subject to the exceptions considered appropriate) and they must have been associated with the Telefónica Group for at least one year.

The Members will not receive the shares to which they may be entitled until the Nominating, Compensation and Corporate Governance Committee and the Audit and Supervisory Committee have carried out the actions described above.

In any case, 100% of the shares settled within the scope of the Plan to the Executive Directors are subject to a retention period of two years. In addition, as stipulated in Remuneration Policy the Executive Directors must hold (directly or indirectly) a number of shares (including those provided as remuneration) equivalent to two years' gross fixed remuneration as long as they are members on the Board of Directors and perform executive duties.

Until this requirement is met, the retention period for any shares given to Executive Directors under the Plan, if any, of three years.

The foregoing is not applicable to the shares that the Executive Directors need to sell to pay the costs related to their acquisition or, with prior consideration of the Nominating, Compensation and Corporate Governance Committee, to cover extraordinary situations arising that require this.

[Incentives assigned to the Long-Term Variable Remuneration in force in 2022:](#)

As mentioned above, the cycles in force in 2022 related to the long-term incentive plans are as follows:

Performance Period	Year shares are delivered	Number of granted shares (Value of shares assigned as percentage of Fixed Remuneration)	
		Executive Chairman	Chief Operating Officer
Long-Term Incentive Plan 2018-2023			
Third Cycle ¹ (50% reduction)	2020-2022	2023	267,000 (92.5%) ¹ 198,000 (82.5%) ¹
Long-Term Incentive Plan 2021-2026			
First Cycle ²	2021-2023	2024	1,094,000 (200%) 819,000 (180%)
Second Cycle ²	2022-2024	2025	995,000 (200%) 745,000 (180%)

¹Long-Term Incentive Plan 2018-2023:

Third cycle 2020-2023: In 2020, as a gesture of responsibility towards the company, customers, shareholders and employees of Telefónica due to the economic impact caused by COVID-19, it was decided that the grant value in this cycle would be 50% lower than in previous cycles.

Therefore, the maximum number of shares represented, according to their grant value, 92.5% of the Fixed Remuneration for the Executive Chairman (267,000 shares) and 82.5% for the Chief Operating Officer (198,000 shares).

²Long-Term Incentive Plan 2021-2026:

The value of the maximum shares granted in the first and second cycle of the Plan is lower than the upper limit set in the Remuneration Policy (250% of the Fixed

Remuneration) and in the resolution of the General Shareholders' Meeting of 23 April 2021.

First cycle 2021-2024: The maximum number of shares represented, according to their grant value, 200% of the Fixed Remuneration for the Executive Chairman (1,093,664 shares) and 180% for the Chief Operating Officer (818,926 shares). In case of over-achievement of targets, no additional shares will be awarded. The number of shares stated above is the maximum number of shares that Executive Directors may receive if they meet or exceed 100% of the targets.

As mentioned above, this maximum number of shares is significantly lower than the upper limit approved by the General Shareholders' Meeting in 2021 (1,367,081 shares for the Executive Chairman and 1,137,398 shares for the Chief Operating Officer).

Second cycle 2022-2025: The grant value of the first cycle (200% of the Fixed Remuneration for the Executive Chairman and 180% for the Chief Operating Officer) has been maintained, with a maximum number of 995,000 shares granted to the Executive Chairman and 745,000 shares granted to the Chief Operating Officer. In case of over-achievement of targets, no additional shares will be awarded. In this regard, the number of shares indicated above is the maximum number of shares that Executive Directors may receive in the event of meeting or exceeding 100% of the targets.

The number of shares to be settled at the end of each cycle of the Plan will depend on the maximum number of assigned shares and the level at which the targets of the Plan are achieved.

[Impact of a change in control on Long-Term Variable Remuneration:](#)

In the event of a change in control in Telefónica, the cycles in progress in 2022 will be subject to early settlement on a pro rata basis, delivering to the Members, where appropriate, the shares, or the equivalent amount in cash, taking into account for such purpose the Closing Price of the last stock exchange session of the month immediately prior to the date on which the Change of Control occurs.

The incentive to be paid is pro-rated for the time elapsed since the start date of the relevant cycle, and adjusted according to the achievement of targets on the date of the change of control.

D. PENSION PLAN FOR TELEFÓNICA'S EMPLOYEES

Contributions

The Pension Plan for the Executive Directors is in accordance with the same 2021 scheme and is aligned with the Pension Plan for Telefónica's employees regarding its terms and conditions and the following contribution percentages:

The Executive Chairman: 6.87% of his base salary, plus 2.2% as a mandatory contribution to be made by the

Executive Chairman up to the maximum annual limit that the law stipulates from time to time.

Chief Operating Officer: 4.51% of his base salary, plus 2.2% as a mandatory contribution to be made by the Chief Operating Officer up to the maximum annual limit that the law stipulates from time to time.

Functioning:

As described in each of the Executive Directors contracts, the Pension Plan is a defined-contribution plan and the contingencies covered are as follows: retirement; the member's death; the beneficiary's death; total and permanent disability to work in one's usual profession, absolute and permanent incapacity for all work and serious disability; and severe or major dependency of the member.

The benefits consist of the economic right accrued by the beneficiaries as a result of the occurrence of any of the contingencies covered by this Pension Plan. It is quantified according to the number of account units that correspond to each member based on the amounts contributed to the Pension Plan and is assessed for the purpose of payment according to the value of the account unit from the business day before the date when the benefits become effective.

The members may also exercise their vested rights, in whole or in part, on an exceptional basis in the event of serious illness or long-term unemployment.

The Pension Plan is included within the "Fonditel B Fondo de Pensiones," managed by Fonditel Pensiones, EGFP, S.A.

In the financial years 2015 and 2021 the applicable law in this area lowered the financial and tax limits for contributions to pension plans. In this respect, as has been taking place, in order to compensate the difference arising in favour of the beneficiaries, a unit-link group insurance policy has been taken out through which the aforementioned differences that could arise are channelled in each financial year.

The unit-link insurance policy has been taken out with the company Plus Ultra, Seguros Generales y Vida, S.A. de Seguros y Reaseguros (after the merger by take-over of Seguros de Vida y Pensiones Antares, S.A. by Plus Ultra, on 31 December 2019), and covers the same contingencies as those included in the Pension Plan with the same exceptional liquidity events in the case of serious illness or long-term unemployment.

E. REMUNERATION IN KIND

In addition to the life insurance policy covering death or disability described above, the Executive Directors are provided with a general health insurance policy and dental coverage as remuneration in kind and they are also provided with a company vehicle, all of the foregoing in line with the general policy applicable to the Company's Executives.

Moreover, Telefónica has taken out a third-party liability insurance policy (D&O) for its managers, executives and

staff performing similar duties in the Telefónica Group, with the usual terms and conditions for these kinds of insurance policies. This policy also includes the company's subsidiaries in certain cases.

F. EXECUTIVE PENSION PLAN

Maximum contribution:

35% of the Fixed Remuneration.

Contributions to the Pension Plan for Telefónica's employees are deducted from these payments, which are calculated according to the aforementioned percentage.

Payment of any compensation related to the termination of the labour relationship is incompatible with recognition of any economic right related to this Executive Pension Plan.

Functioning:

The implementation vehicle of this Plan approved in 2006 is a unit-link group life insurance policy taken out with an insurance company.

The contingencies covered by the Executive Pension Plan are retirement, early retirement, permanent loss of working capacity consisting of total or absolute disability or serious disability and death. However, as explained above, no economic right whatsoever is recognised if the Executive Director receives compensation due to the termination of his/her labour relationship.

The amount of the benefits from this coverage is equivalent to the mathematical provision corresponding to the insured party on the date when the policyholder provides notice and proves to the insurance company that the relevant situation has arisen.

There is currently no vesting of economic rights in favour of the Executive Directors. The Board of Directors may make the appropriate adjustments in the case of legislative amendments on this matter, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee.

Any adjustments to be made to the Executive Pension Plan must be approved by the Board of Directors. These adjustments must be justified and proposed by the Nominating, Compensation and Corporate Governance Committee. The reasons for the adjustments must be duly explained in the annual report on the directors' remuneration.

Even though there are no changes planned for the functioning of this Plan, it may be updated by the Board of Directors according to a proposal made by the Nominating, Compensation and Corporate Governance Committee to adapt it to amendments made to applicable legislation.

Malus and clawback clauses for the variable remuneration

Regarding clawback formulae or clauses in order to claim the return of the variable remuneration components based on the results, the following should be taken into account if such components have been paid based on data that is later clearly shown to be inaccurate, and in order to adopt measures to avoid any conflict of interest:

The Nominating, Compensation and Corporate Governance Committee is authorised to propose cancellation of payment of the variable remuneration to the Board of Directors under circumstances of this kind.

Furthermore, the Nominating, Compensation and Corporate Governance Committee must assess whether exceptional circumstances of this kind could even lead to termination of the relationship with the respective party or parties responsible, proposing to the Board of Directors that such measures should be adopted as may be appropriate.

In addition, in 2018, the company included malus and clawback clauses in the Long-Term Incentive Plan 2018-2023, approved by the General Shareholders' Meeting held in 2018. According to these clauses, in the years 2022 and 2023, each time shares are provided, it must be assessed whether or not to partially or fully confirm or cancel the relevant settlement in each financial year and, if need be, to claim partial or full return of the shares already provided (or reimbursement of their value in cash) if the number of shares delivered was not in accordance with the terms and conditions stipulated by the Board of Directors or when they had been provided bearing in mind data that have later been proven to be inaccurate.

Moreover, in 2024, when drawing up the annual accounts for the previous financial year, it will be assessed whether or not the return of the shares previously provided should be partially or fully claimed (or reimbursement of their value in cash) if the aforementioned situations have arisen. Moreover, the company may partially or fully cancel payment of the Plan to the Executive Directors if the company's external auditor includes exceptions in its report that reduce the results taken into consideration to determine the number of shares to be provided.

The Remuneration Policy approved by the 2021 Annual General Meeting, which standardised the malus and clawback clauses for all variable remuneration, stipulates that the Board of Directors will decide, with a prior report issued by the Nominating, Compensation and Corporate Governance Committee, if necessary, on the following: (i) partial or full cancellation of the variable remuneration pending payment (malus) and/or (ii) partial or full recovery of any variable remuneration component within twenty-four (24) months after its payment (clawback), if certain exceptional situations arise that affect the Company's results or are related to the Executive Director's inappropriate conduct.

For these purposes, exceptional situations shall be deemed as those that will be subject to assessment by the Board of Directors, among others, as examples but not limited thereto, the following:

Reformulating the company's financial statements without being based on an amendment of the applicable accounting standards.

If the Executive Officer has been sanctioned for a serious breach of the code of conduct and other internal regulations or serious breach of the regulations that are also applicable thereto.

In any case, when it is shown that the variable remuneration component in question has been partially or fully assessed based on information that is clearly proven to be false or inaccurate *a posteriori*, or other unforeseen circumstances not accepted by the company that have a serious negative impact on the profit and loss accounts.

If the company's external auditor includes exceptions in its report that reduce the results taken into consideration to determine the amount of the variable remuneration payable.

Possible severance pay

The contracts signed with the Executive Directors are for an indefinite term and include a non-competition clause. This clause implies that, once the relevant contract has been terminated and during the valid term of the clause (two years after the termination of the contract for any reason), the Executive Directors may not indirectly or directly render their services themselves or through others, either on their own behalf or for third parties, to Spanish or foreign companies that engage in the same or similar business activities as Telefónica.

Regarding the conditions related to the termination of the contracts, the Executive Chairman, Mr. José María Álvarez-Pallete López, and the Chief Operating Officer, Mr. Ángel Vilá Boix, have the same terms and conditions as in their previous contracts, which specify agreed severance pay for termination of the relationship, when appropriate, which could amount to a maximum of four (4) annual payments. Each annual payment consists of the last fixed remuneration and the arithmetic mean of the sum of the last two (2) amounts of annual variable remuneration paid pursuant to the contracts.

Contractual terms and conditions for the Executive Directors

The contracts that currently regulate the Executive Directors performing their duties and responsibilities are of a commercial nature and include clauses that are normally used for these kinds of contracts. These contracts have been proposed by the Nominating, Compensation and Corporate Governance Committee, approved by the Board of Directors and have not suffered any significant modifications in 2021.

In addition to the severance pay terms and conditions explained in the previous point, a summary is provided below of the main terms and conditions of the Executive Directors' contracts:

Term: Indefinite

Notice period: There is an obligation to provide prior notice in the event of the contract being terminated due to a unilateral decision adopted by the Executive Director, being stipulated that he must notify such unilateral decision in writing with at least three months' prior notice, except in cases of *force majeure*. If this obligation is not fulfilled, he must pay the Company an amount equivalent to the Fixed Remuneration for the notice period he had failed to observe.

Exclusivity: During the term of the contracts, it is prohibited to sign (either directly or through intermediaries) any employment, commercial or civil contracts with other companies or institutions that engage in activities similar in nature to those of Telefónica.

Non-competition clause: The contract states the relationship is compatible with holding representative, administrative and management posts and other professional positions in other companies in the Telefónica Group or in any other undertakings unrelated to the Company when expressly notified to the Nominating, Compensation and Corporate Governance Committee and the Board of Directors.

On the other hand, it states that the relationship is incompatible, during the term of the clause (two (2) years after the termination of the contract for any reason) with directly or indirectly rendering services, as an employee or self-employed, by themselves or through third parties, to any Spanish or foreign companies that engage in activities identical or similar to those of Telefónica.

Non-disclosure: While the relationship remains in force and also after the termination thereof, there is a non-disclosure duty regarding any information, data and any kinds of reserved and confidential documents that they have knowledge of or to which they have had access as a result of performing their duties.

Compliance with the regulatory system: The contracts include the obligation to abide by the rules and obligations set out within Telefónica's regulatory system, which are contained, among other regulations, in the Board of Directors' Regulations and Telefónica's Internal Stock Market Conduct Regulations.

Shareholding commitment

As stipulated in section 3.8 of the current Remuneration Policy, the Executive Directors must hold (directly or indirectly) a number of shares (including those provided as remuneration) equivalent to two (2) years' gross fixed remuneration as long as they are members on the Board of Directors and perform executive duties.

The term set for achieving this target is five years, counted from 1 January 2019 or, in the case of Executive Directors appointed at a later time, counted from the date of their appointment, unless the Board of Directors/Nominating, Compensation and Corporate Governance Committee approve a longer term when exceptional situations arise.

	Shareholding Requirement
Executive Chairman	200% Gross Fixed Remuneration
Chief Operating Officer	200% Gross Fixed Remuneration

As long as the number of shares subject to this commitment has not been reached, the shares that the Executive Director receives within the scope of any variable remuneration component will be subject to a minimum retention period of 3 years; therefore raising the Executive Director's level of commitment.

The foregoing is not applicable to the shares that the Executive Directors need to sell to pay the costs related to their acquisition or, with prior consideration of the Nominating, Compensation and Corporate Governance Committee, to cover extraordinary situations arising that require this.

This commitment will be verified by the Nominating, Compensation and Corporate Governance Committee, which, among other issues, will consider aspects such as the share price to be taken into account or the regularity with which the holding commitment will be reviewed.

Although this requirement came into force on 1 January 2019, the Executive Directors are allowed until 31 December 2023 to comply with it

As of 31 December 2021, the Executive Chairman of the Company, Mr José María Álvarez-Pallete López, held 1,976,343 shares in Telefónica, S.A.

The Chief Operating Officer (COO), Mr. Ángel Vilá Boix, held 508,112 Telefónica shares.

The price at which the Executive Directors acquired their shares represents an amount that far exceeds twice their Fixed Remuneration.

5.1.5. The Directors' remuneration in their positions as such in 2022

The remuneration payable to the Directors in their positions as such is structured, within the legal and statutory framework, pursuant to the remunerative criteria and items specified below, up to the maximum limit determined for such purpose by the General Shareholders' Meeting, pursuant to the provisions in Article 35 of the Articles of Association.

According to the foregoing, the Ordinary General Shareholders' Meeting held on 11 April 2003 set the annual gross maximum amount for the remuneration at €6,000,000 payable to the Directors in their positions as members of the Board of Directors.

The aforementioned remuneration is, in all cases, the maximum amount payable and the Board of Directors is responsible for proposing the allotment of the amount among the various items and among the different Directors, taking into account the duties and responsibilities assigned to each Director, membership on Committees within the Board of Directors and other objective circumstances that would be considered relevant.

Regarding the financial year 2022, according to the market information available, the Committee has proposed to the Board not to increase the Directors' fixed remuneration, both in their positions as such and for performing their executive duties. This remuneration has remained the same since 2012.

	Board of Directors	Executive Committee	Advisory or Supervisory Committee (*)
Chairman (**)	€240,000	€80,000	€22,400
Vicepresident	€200,000	€80,000	-
Proprietary Member	€120,000	€80,000	€11,200
Independent Member	€120,000	€80,000	€11,200
Other External Member	€120,000	€80,000	€11,200

(*) In addition, the amount of the attendance fee for each of the meetings of the Advisory or Supervisory Committees is €1,000.

(**) In this regard, the Executive Chairman has waived payment of the aforementioned amounts (i.e. €240,000 as Chairman of the Board of Directors and €80,000 as Chairman of the Executive Committee), as he has done in previous years.

The Executive Directors can waive payment of the aforementioned amounts.

Moreover, the Non-Executive Directors receive the remuneration payable to them due to being members of certain management bodies of Telefónica's subsidiaries and investee companies.

5.1.6. Application of the Remuneration Policy in 2021

Summary of the Remuneration Policy applied in 2021 and the results of the ballot on the Annual Report on Remuneration of the Directors for 2020

The remuneration payable in the financial year 2021 was in line with the terms of the Remuneration Policy approved on a binding basis at the General Shareholders' Meeting held on 23 April 2021, pursuant to the provisions in the Transitional Provision of Article 529 Novodecies of the Spanish Corporate Enterprises Act.

For further details, you may consult the current Remuneration Policy by clicking on the following link: <https://www.telefonica.com/en/wp-content/uploads/sites/5/2021/10/remunerations-policy-directors-telefonica.pdf>

There have been no deviations from the procedure for the application of the remuneration policy, nor have any temporary exceptions been applied.

In this respect, the remuneration payable in 2021 to the Executive Directors and the Directors in their positions as such consists of the same components as those described for the current Remuneration Policy in force in 2022.

In addition, the two Executive Directors have accrued an extraordinary remuneration package in 2021. This remuneration was approved by the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, following the extraordinary efforts made by the Directors in two corporate transactions of particular significance, namely the transaction between O2 and Virgin Media and the sale of Telxius' telecommunications towers division. The Remuneration Policy approved at the General Shareholders' Meeting in 2021 included, in section 03.5, the possibility to grant such remuneration.

The detailed description of the Directors' remunerative system for 2021 was included in section 4.6.5 of the Annual Report on the Directors' Remuneration for 2020. This report was approved by 88.84% of the votes cast, with a 7.59% of votes against and a 3.57% abstentions. Therefore, taking into account the high level of approval of this Report, the Company has considered it appropriate to draw up the Annual Report on Directors' Remuneration for the financial year 2021 in similar terms, incorporating the new features introduced in Circular 3/2021 of 28 September of the CNMV.

The Executive Directors' remuneration structure

The pay mix for Telefónica's Executive Directors in the last three years is shown below:



¹In 2021, the Executive Chairman and the Chief Operating Officer, as a gesture of their commitment to responsibility in the wake of COVID-19, informed the Nomination, Remuneration and Corporate Governance Committee that they considered it appropriate to propose their waiver of the share incentive corresponding to them from the first cycle (2018-2020) of the Long-Term Incentive Plan 2018-2023. The value of the incentive waived by the Executive Directors (€683,000 for the Executive Chairman and €506,000 for the Chief Operating Officer) is included in the graph for information purposes.

²In order to determine the incentive value of the second cycle (2019-2021) of the 2018-2023 Long-Term Incentive Plan, the number of accrued shares by each Executive Director has been multiplied by the Telefónica's share price as at 31 December 2021.

The table above does not include the amounts accrued in 2021 as Extraordinary Variable Remuneration, which amounted to one times the Fixed Remuneration for each Executive Director (see section 5.1.6.D).

The Executive Directors' remuneration in 2021

A. FIXED REMUNERATION

The Executive Chairman: €1,923,100.

In case of the Executive Chairman, the amount of his Fixed Remuneration in 2021 was the same as that paid since 2013, which was determined in his position as Chief Operating Officer, which remained the same after his appointment as Chairman in 2016.

The Chief Operating Officer: €1,600,000.

This remuneration is the same as the amount paid when Mr. Vilá was appointed as the company's Chief Operating Officer on 26 July 2017.

B. SHORT-TERM VARIABLE REMUNERATION

The Executive Chairman: €3,807,738.

Calculated as the fixed remuneration (€1,923,100) multiplied by the Target Amount (180%) multiplied by the Overall Target Achievement Level (110%).

The Chief Operating Officer: €2,640,000

Calculated as the fixed remuneration (€1,600,000) multiplied by the Target Amount (150%) multiplied by the Overall Target Achievement Level (110%).

For the financial year 2021, the Board of Directors approved, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee, the quantifiable and measurable metrics that best reflected the levers for creating value for the Telefónica Group with the aim of guaranteeing fulfilment of its Strategic Plan. These metrics and their relative weightings are the following:

(see next page)

METRIC	DEFINITION AND MEASURING METHOD	WEIGHTING
FINANCIAL OBJECTIVES		80%
OIBDA	This is the Operative Income Before Depreciations and Amortizations. The Operating Result includes the Operative Income minus all costs (direct, commercial, customer management, network, systems, support and employees, among others).	30%
OPERATING REVENUE	This corresponds to service revenues, revenues generated from the company's core business, revenues for terminal sales and other Operating Revenue.	30%
FREE CASH FLOW	This means the amount of funds generated from transactions throughout the year and it is calculated as funds collected from customers minus the payments required to carry out transactions and investment in assets, therefore including payments to suppliers, employees, as well as spectrum, fees, taxes and interest on debt.	20%
NON-FINANCIAL AND ESG OBJECTIVES		20%
CUSTOMER TRUST (NPS / GAP NPS)	NPS and GAP NPS are the metrics used to measure our customers' experience. It calculates their willingness to recommend our products and services; as well as the difference in the value obtained compared with our main competitor in the same survey. It is built through the answer to the following question: How likely are you to recommend the services of Movistar/O2/Vivo to a family member, friend or colleague? (On a scale of 1 to 10, 1 means, I would not recommend; and 10 means I would recommend it). Ratings between 9 and 10 are considered promoters, and between 1 and 6 are considered detractors. NPS = % Promoters - % Detractors	11%
SOCIETY TRUST (REP Trak ®)	RepTrak® Pulse is the metric used to measure the reputation (society's perception for Telefónica). It measures the emotional appeal of our brands according to 4 fundamental elements: admiration and respect, esteem, confidence and good impression.	3%
CLIMATE CHANGE (greenhouse gas emissions)	Greenhouse gas (GHG) emissions is the metric used to measure our environmental impact. It is measured through direct and indirect CO2 emissions from our daily activity due to fuel consumption, refrigerant gas leaks and electricity use. CO2 emission = Activity x Emission Factor - Activity data: Amount of energy, fuel, gas, etc. consumed by the Company - Emission Factor: Amount of CO2 emitted to the atmosphere by the consumption of each activity unit. For electricity, the emission factor provided by the supplier of this electricity is used and for fuels, the emission factors of the GHG Protocol are used. The electricity emission factor is considered a constant, in order to avoid external influences.	5%
GENDER EQUALITY (% of Women in executive positions)	The percentage of women among the managers in the Telefónica Group is the metric used to measure the objective related to Gender Equality. It is measured on the total of the Telefónica Group Managers in the workforce at the end of December. The managers group is defined according to the criteria and processes determined by the People area at a corporate level. Prior to the validation by the Nominating, Compensation and Good Governance Committee, there is a Transparency and Diversity Committee, made up of the Chairman and four members of the Executive Committee, which validates, on a monthly basis, the proposals for appointments from this group to ensure compliance with the measures and policies established in the area of transparency and gender equality.	1%

Throughout the year, the Nominating, Compensation and Corporate Governance Committee monitored such objectives set for the Short-Term Variable Remuneration in 2021, payable in 2022.

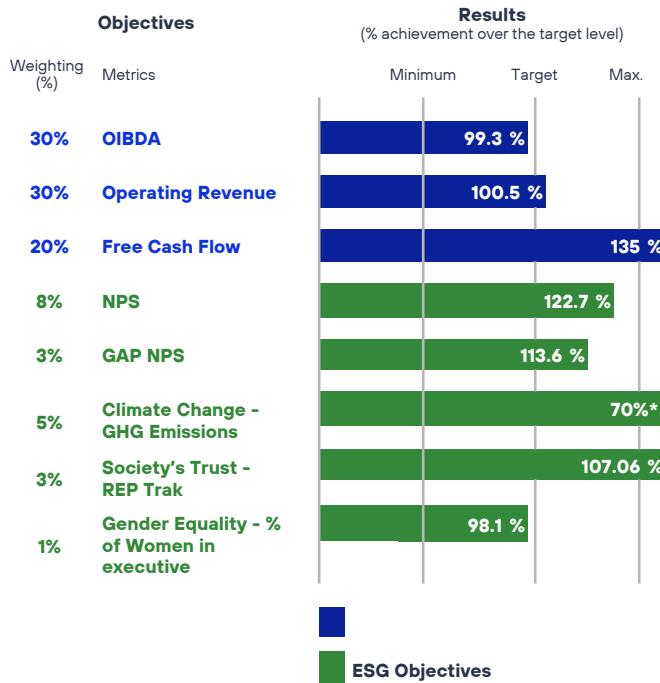
The aforementioned objectives were finally assessed based on the audited accounts for the financial year 2021, according to the following process:

1. The results for the financial year 2021 and the level of achievement of the targets were firstly examined by the Audit and Supervisory Committee, based on the results audited by PRICEWATERHOUSECOOPERS AUDITORES, S.L.

After this examination, the Nominating, Compensation and Corporate Governance Committee determined a proposal for the Short-Term Variable Remuneration that was

submitted to the Board of Directors. The Committee also considered the quality of the long-term results and any associated risk in the proposal for variable remuneration.

2. Lastly, the Board of Directors approved the proposal for the Short-term Variable Remuneration submitted by the Nominating, Compensation and Corporate Governance Committee. As a result of the foregoing, and according to that stipulated in recommendation 59 of the Good Governance Code, the Board agreed that the amount to be received by the Executive Directors during the first quarter of 2021, as detailed in the following table and based on the following level of achievement of the targets, would be as follows:



*The performance scale associated to Climate Change - GHG Emissions metric is inverse, so that achievements levels below 100% (GHG emissions below the target level) are positive and results in payout levels over 100%.

The overall achievement level of the targets corresponds to 110% of the weighted payment coefficient that corresponds to €3,807,738 for the Executive Chairman and €2,640,000 for the Chief Operating Officer. The Short-Term Variable Remuneration target was 180% of the Annual Fixed Remuneration for the Executive Chairman and 150% of the Annual Fixed Remuneration for the Chief Operating Officer.

C. THE LONG-TERM INCENTIVE PLAN 2018-2023

Long-Term Incentive Plan 2018-2023. Accrual of the First Cycle 2018-2021

As explained in section 5.14.C above, the General Shareholders' Meeting held in 2018 approved a Long-Term Incentive Plan consisting of providing Telefónica, S.A.'s shares, aimed at Executives of Telefónica that, meeting the requirements stipulated for such purpose from time to time, are invited to participate therein, including the Executive Directors de Telefónica.

The performance period ended on 31 December 2021 for the objectives of the second cycle of the 2018-2023 Plan. The theoretical number of shares granted, corresponding to the Executive Directors, if 100% of the TSR and Free Cash Flow targets are achieved, was as follows:

The Executive Chairman: 468,000 shares.

The Chief Operating Officer: 347,000 shares.

In order to determine the specific number of shares to be delivered at the end of the aforementioned cycle, the Nominating, Compensation and Corporate Governance

Committee analysed the level of achievement of each of the two objectives.

Metrics	Weighting (%)	Company Results	Incentive Accrued
Relative TSR*	50%	75th percentile or above	100%
		Median	30%
		Below median	-%
Free Cash Flow	50%	100% of achievement	100%
		90% of achievement	50%
		Below 90% of achievement	-%

* Peer group: America Movil, BT Group, Deutsche Telekom, Orange, Telecom Italia, Vodafone Group, Proximus, Koninklijke KPN, Millicom, Swisscom, Telenor, TeliaSonera and Tim Brasil.

Regarding the Relative TSR, the weighting of which is 50%, Kepler provided the Nominating, Compensation and Corporate Governance Committee with the calculation of Telefónica's Relative TSR since the beginning of the cycle (2019) until its end (2021), related to the TSR obtained by certain companies belonging to the telecommunications sector, weighted according to their relevance for Telefónica which are included in the comparison group for the purpose of the Plan.

Telefónica's TSR ended up being below the median according to the achievement scale used. Therefore, no right whatsoever was generated to receive shares linked to achieving the Relative TSR target.

Regarding the Free Cash Flow, the weighting of which is the remaining 50%, the Planning and Supervision Department drew up a report related to the Free Cash Flow generated by the Telefónica Group in each year in the target measurement period (2019, 2020 and 2021), based on the results audited by the company's internal and external auditors, comparing it with the value set in the budgets approved by the Board of Directors for each financial year.

The final achievement was considered as the average of the partial annual results obtained and approved by the Nominating, Compensation and Corporate Governance Committee.

The Nominating, Compensation and Corporate Governance Committee has been conducting annual monitoring of the Free Cash Flow and the level of achievement is determined once the report issued by the Planning and Supervision Department has been analysed. When conducting this assessment, the Nominating, Compensation and Corporate Governance Committee was supported by the Audit and Supervisory Committee,

which provides information about the results audited by the Company's external auditor.

Considering all the foregoing, the payment coefficient linked to the Free Cash Flow was 100%:

Financial Year	% achievement	% payout
2021	135%	100%
2020	113%	100%
2019	101%	100%
% Incentive linked to Free Cash Flow		100%

Bearing in mind the results of the Relative TSR and the Free Cash Flow, the weighted payment coefficient amounted to 50%. (234,000 shares for the Executive Chairman and 173,500 shares for the Chief Operating Officer). The value of these shares at 31 December 2021 was roughly 25% of the value of the maximum incentive initially granted in 2019.

D. EXTRAORDINARY VARIABLE REMUNERATION

Section 03.5 of the Remuneration Policy stipulates that the Board of Directors, at the proposal of the Nominating, Compensation and Corporate Governance Committee, is authorised to approve the granting of extraordinary remuneration to Executive Directors and other Senior Executives of the Company as a reward for their efforts and special dedication in relation to the achievement of certain strategic milestones and the execution of certain corporate transactions of particular relevance. The criteria taken into account include the following:

Extraordinary effort by the Executive Director and/or Senior Executive in a corporate transaction of high importance, complexity and uniqueness, which creates considerable value for the Company's shareholders and/or creates a significant economic profit or equity increase that enhances Telefónica's long-term sustainability and growth.

Extraordinary business performance leading to the achievement of strategic milestones.

In this respect, a series of corporate transactions took place in financial year 2021 which, in the opinion of the Board of Directors, upon proposal of the Nominating, Compensation and Corporate Governance Committee, meet the aforementioned criteria of the Remuneration Policy, and which are analysed below:

Development of the Joint Venture between O2 and Virgin Media

The transaction between O2 and Virgin Media was without doubt one of the most significant transactions in the history of the Telefónica Group for the following reasons:

After reaching an agreement with Liberty Global on 7 May 2020 to merge the respective UK businesses into a 50/50 joint venture (JV), the transaction was finalised on 1 June

2021, following regulatory approvals, the necessary recapitalisations and the fulfilment of the remaining conditions to close the transaction.

The formation of this JV has brought significant value to Telefónica for the following reasons (*inter alia*)

From a business standpoint, this transaction is fully aligned with Telefónica's strategy to improve its positioning in its core markets, and allows it to strengthen its presence and continuity in this market through the formation of the leading integrated service provider offering a convergent value proposition to the customer.

In addition, the new JV will be able to drive value through the capture of substantial synergies estimated at around £6.25 billion in net present value terms, of which around 80% are related to cost and CapEx savings.

£5.4 billion in cash was received, of which £2.6 billion was Liberty Global's cash payment to Telefónica as compensation for the JV stake and £2.8 billion was gross proceeds from the recapitalisations. The transaction contributed to reducing Telefónica's net debt by €4.9 billion (this represented a 14% reduction in the Group's debt).

This transaction has significantly strengthened the Company's equity. The capital gains from this transaction increased Telefónica's equity (equity attributable to Telefónica, S.A., excluding minority interests) by 61%.

Regarding the extraordinary effort made by the Executive Directors, it is important to recall the difficulties surrounding this transaction. The bulk of the negotiations with the counterparty were conducted remotely, in the midst of the COVID-19 lockdown between March and May 2020, with this transaction being one of the first major global M&A deals announced during the onset of the pandemic. The Telefónica teams involved in the negotiations, led by the Executive Chairman and Chief Operating Officer, worked in record time given the size of the transaction to reach highly complex agreements with the maximum levels of confidentiality to prevent Telefónica's other competitors from trying to interfere in the process. Specifically, both the Executive Chairman and the Chief Operating Officer played a key role in the success of these operations. The Executive Chairman architected and implemented a strategic relationship with Liberty Global, taking personal ownership of negotiations on key issues so that negotiations were not deadlocked at certain points in time. The Chief Operating Officer managed and coordinated the Telefónica teams that had to close deals on a daily basis.

Telxius' Telecommunications Towers Division Sale

The sale of Telxius' Telecommunications Towers Division on 13 January 2021 was another very significant transaction for the Telefónica Group, with the following highlights:

The transaction price was an industry record valuation of €7,865 million. This represents an FV/EBITDA multiple of 30.5x well above recent comparable transactions (average FV/EBITDA<21.0x in 2020).

A 33% increase in Telefónica's equity (equity attributable to Telefónica, S.A., excluding minority interests) and a €4.7 billion reduction in the Telefónica Group's debt (this represented a 13% reduction in the Group's debt).

The favourable terms of the industrial agreements allow for future use of the infrastructures, maintaining optionality and flexibility for future renewal (no all or nothing renewal clauses), as well as rates for future use of these infrastructures below European market standards (as noted by credit rating agencies).

Diversification of telecommunications tower infrastructure providers in two of the key markets, Spain and Germany.

A commitment to keep the entire workforce employed for two years in the European subsidiaries and one year in the Latin American subsidiaries.

A transaction agreement with a liability system limited to fundamental guarantees other basic representations and tax matters.

This transaction was carried out in a highly confidential, competitive and expedited manner. The process was carried out in record time, in just two months from November 2020 to the signing of the agreements on 13 January 2021. This required the direct and ongoing involvement of the Executive Directors.

Favourable development of Telefónica's share price and excellent financial results

Telefónica posted its best year on the stock market since 2009 with a share price increase of almost 18.7% and a Total Shareholder Return (TSR) of 29.6%. The Company's total increase in 2021 has outperformed the Ibex 35 (7.9%) and its TSR (10.5%). It has also outperformed the share price rise of 11.8% and the RTA (16.5%) of the European telecommunications sector in 2021.

Amount paid for Extraordinary Variable Remuneration

At the proposal of the Nominating, Compensation and Corporate Governance Committee, the Board of Directors approved the award of an extraordinary variable remuneration to the company's Executive Chairman and Chief Operating Officer, whose efforts and dedication have been crucial to the development of the business and the success of corporate transactions. The incentive amounted to one year's Fixed Remuneration. This amount is within the limits established in the Remuneration Policy, both in absolute terms and in relation to the maximum amount of total remuneration to be allocated to Executive Directors.

In any case, the extraordinary variable remuneration is subject to the malus and clawback clauses set under the Remuneration Policy.

E. PENSION PLAN FOR TELEFÓNICA'S EMPLOYEES

The contributions made in 2021 to the "Fonditel B, Fondo de Pensiones" Pension Plan:

The Executive Chairman: € 8,000

The Chief Operating Officer: € 8,000

The contributions made in 2021 to the unit link insurance policy, related to the Pension Plan, taken out with the company Plus Ultra, Seguros Generales y Vida, S.A. de Seguros y Reaseguros (after merger by take-over of Seguros de Vida y Pensiones Antares, S.A. by Plus Ultra on 31 December 2020), were as follows:

The Executive Chairman: €124,117.

The Chief Operating Officer: €64,160.

The Pension Plan for the Executive Directors follows the same scheme and is aligned with the Pension Plan for Telefónica's employees regarding its terms and conditions and the contribution percentages.

	Contribution (% regulatory salary)	Fonditel Pension Plan	+ Unit-Link Insurance policy	Total
Executive Chairman	6.87%	€8,000	+ €124,117	€132,117
Chief Operating Officer	4.51%	€8,000	+ €64,160	€72,160

The contribution percentages are aligned with Telefónica's employee pension plan.

The amount of the vested rights on 31 December 2021 was as follows:

Mr. José María Álvarez-Pallete López: €345,791 (of which the amount of €178,015 corresponds to the rights generated by the Pension Plan of Telefónica Internacional and the rest Telefónica's Pension Plan).

Mr. Ángel Vilá Boix: €369,190 (of which the amount of €23,950 corresponds to the rights generated by the Pension Plan of Telefónica España and the rest Telefónica's Pension Plan).

The mathematical provision of the unit-link insurance policy on 31 December 2020 was as follows:

Mr. José María Álvarez-Pallete López: €965,289.

Mr. Ángel Vilá Boix: €457,058.

It is recorded that the development of the accumulated funds is related to both the contributions and their revaluation.

Additional information can be found about the features of the Pension Plan for employees in section 5.1.4.D of this report.

F. REMUNERATION IN KIND

In this respect, the Executive Directors receive the following benefits:

An insurance policy for general health and dental coverage.

A life insurance policy with coverage for death and disability.

The cost of this remuneration in kind amounted to €36,869 in 2021 for the Executive Chairman and €30,200 for the Chief Operating Officer. Additionally, in the statistic annex shows the remuneration in kind corresponding to the vehicle in use (€14,597).

Moreover, in July 2021, the Global Incentive Telefónica, S.A. Stock Option Plan for Employees of the Telefónica Group (hereinafter referred to as the "Global Plan"), approved at the 2018 General Shareholders' Meeting, came to an end. As an example of their commitment to the Company and in order to provide an incentive to other employees to take part in the Global Plan, the Executive Directors contributed the maximum allowed according to the applicable Plan of €1,800.

Regarding this Plan, each Executive Director has received 167 additional shares (equivalent to one additional share for each two shares acquired) as they have met the holding and retention condition (one year after the end of the purchase period, i.e. until 31 July 2021).

In addition, the Executive Directors are provided with a company vehicle, in line with the general policy applicable to the Company's Senior Executives.

Telefónica has also taken out a third party liability policy (D&O) for directors, executives and other staff with similar duties in the Telefónica Group, with the customary terms and conditions for this type of insurance.

G. EXECUTIVE BENEFITS PLAN

As explained in section 5.1.4.F above, there is currently no vesting of economic rights in favour of the Executive Directors. In the case of legislative amendments on this matter, according to a proposal made by the Nominating, Compensation and Corporate Governance Committee, the Board of Directors could make the appropriate adjustments.

In addition, if any severance pay is received due to the termination of the employment relationship, this will be incompatible with the being granted any economic right whatsoever linked to this Plan.

The contributions in 2021 to the benefits plan were as follows:

The Executive Chairman: €540,968.

The Chief Operating Officer: €487,840.

The expected rights on 31 December 2020 were as follows:

Mr. José María Álvarez-Pallete López: €10,635,925.

Mr. Ángel Vilá Boix: €8,198,143.

Further information:

Malus and clawback clauses: These clauses were not applicable in the financial year 2021.

During the financial year 2021, the Executive Directors did not receive nor accrue any payment for early termination or termination of their contracts, or advances, loans or guarantees, remuneration from other companies in the Group or payments made by Telefónica to a third party to which the Directors provide services, or any other remuneration item apart from the ones already mentioned.

The terms and conditions of the Executive Directors' contracts in 2021 were the same as those described in section 5.1.6 of this report.

Remuneration of the directors in their positions as such

The remuneration payable to the Directors in their positions as such is according to the same scheme as the

one described in section 5.1.5 of this report and the one applied in previous financial years.

In this respect, as explained in section 4.6.5 of the Annual Directors' Remuneration Report for 2020, in the year 2021 the Executive Chairman waived payment of €240,000 as Chairman of the Board of Directors, and €80,000 as Chairman of the Executive Committee.

External Directors also receive the remuneration to which they are entitled for belonging to certain Management Decision-Making Bodies of some Subsidiaries and affiliates of Telefónica.

According to the foregoing, the aggregate remuneration for the items in 2021 was as follows:

	2021	2020
Fixed amount due to being a member on the Board, Executive Commission and Advisory or Supervisory Committees	€2,841,100	€2,754,534
Fees for attending the meetings of the Advisory or Supervisory Committees	€260,000	€248,000
Remuneration for being a member on certain Management Decision-Making Bodies of some subsidiaries of Telefónica	€704,912	€547,645

During the financial year 2021, the Directors in their positions as such did not accrue payments for early termination or termination of their contracts, or advances, loans or guarantees, or payments made by Telefónica to a third party to which the Directors provide services, or any other remuneration item apart from the ones already mentioned.

The individual amounts per director are provided in the statistical annex attached to this Report.

	Determining and designing the remuneration elements	Applying the variable remuneration	Analysis of the external competitiveness of the remuneration
General Shareholders' Meeting	<p>It approves the Remuneration Policy at least every three years as a separate item on the agenda.</p> <p>It approves the maximum amount of the annual remuneration for all the Directors in their positions as such.</p> <p>It approves the variable remuneration systems for the Directors that include payment in shares or stock options or share-linked instruments.</p> <p>It has an advisory vote on the Annual Report about the Directors' Remuneration, detailing the remuneration accrued during the last financial year.</p>	<p>Advisory vote on the Annual Report on Remuneration of the Directors, in which the remuneration accrued during the financial year is disclosed.</p>	

5.1.7. The process for determining the Remuneration Policy and the Company's bodies involved

The Nominating, Compensation and Corporate Governance Committee, the responsibilities and duties of which are stipulated in Article 40 of the Articles of Association, Article 23 of the Board of Directors' Regulations and Article 4 of the Nominating, Compensation and Corporate Governance Committee's Regulations, plays a crucial role in defining the Telefónica Group's Remuneration Policy and in developing and deciding on its components; however the most important decisions must be approved by the Board of Directors.

The Committee's mandate, within the scope of remuneration, consists of continuously reviewing and updating the remuneration system applicable to the Directors and Senior Executive Directors and designing new remuneration plans that enable the Company to attract, retain and motivate the most outstanding professionals, aligning their interests with the Company's strategic objectives.

In addition, other bodies and external advisors take part in the process of determining the Remuneration Policy.

The functions performed by the various company bodies involved in determining and approving the Remuneration Policy and its conditions are explained below, along with a reference to the involvement of external advisors in this matter:

	Determining and designing the remuneration elements	Applying the variable remuneration	Analysis of the external competitiveness of the remuneration
Board of Directors	<p>Directors in their positions as such: It approves the allocation of the maximum amount approved by the General Shareholders' Meeting among the various components.</p> <p>Executive Directors: It approves the fixed remuneration and the main terms and conditions of the short- and long-term variable remuneration system.</p> <p>The Board approves adaptations or updates to the Remuneration Policy.</p> <p>It approves the contracts that regulate the duties and responsibilities of the Executive Directors.</p> <p>It approves the Annual Report on Remuneration of the Directors to be submitted to the advisory vote at the General Shareholders' Meeting</p>	<p>It approves the design, target amounts, the level the targets are achieved and the amounts of the incentive payable, if any, both for the short-term and long-term variable remuneration of the Executive Directors, based on a proposal made by the Nominating, Compensation and Corporate Governance Committee.</p> <p>It approves the Annual Report on Remuneration of the Directors to be submitted to the advisory vote of the General Shareholders' Meeting.</p> <p>It evaluates, if necessary, application of the malus and/or clawback clauses.</p>	<p>It is reported based on analysis and remuneration studies of the Directors' remuneration conducted by the Nominating, Compensation and Corporate Governance Committee.</p>
Nominating, Compensation and Corporate Governance Committee	<p>Directors in their positions as such: It proposes the allotment of the maximum amount to the Board of Directors approved by the General Shareholders' Meeting, among the various items.</p> <p>The Committee reviews the Directors' remuneration on a regular basis to ensure that it is appropriate for the duties they perform.</p> <p>Executive Directors:</p> <ul style="list-style-type: none"> It proposes the fixed remuneration for the Executive Directors to the Board of Directors considering, among other factors, their level of responsibility and leadership within the organisation, promoting the retention of key staff, attracting top talent and creating sufficient economic independence to ensure a balance with the significance of other items included in the remuneration. It reviews, on an annual basis, the terms and conditions for the variable remuneration, including the structure and maximum levels of remuneration, the targets set and the weighting of each of them, taking into account the company's strategy, needs and business situation. These conditions are subject to the approval of the Board of Directors. It proposes the contracts to the Board of Directors that regulate the duties and responsibilities of the Executive Directors. It proposes the Annual Report on Remuneration of the Directors and the Remuneration Policy, when appropriate, to the Board of Directors. <p>When carrying out these actions, the Nominating, Compensation and Corporate Governance Committee takes into account the votes of the shareholders at the General Shareholders' Meeting to which the Annual Report on Remuneration of the Directors for the previous year was submitted, in an advisory manner.</p>	<p>It proposes the targets at the beginning of each measurement period to the Board of Directors.</p> <p>It assesses achievement of the targets at the end of the measurement period. Since payment of the variable remuneration is subject to sufficient verification that the stipulated targets have effectively been achieved, as determined in recommendation 59 of the Good Governance Code, this assessment is carried out on the basis of the results audited by the Company's external and internal auditors, which are first analysed by the Audit and Supervisory Committee, as well as the level of achievement of the targets. In this respect, for the purpose of ensuring that there is an effective relation between the variable remuneration and the professional performance of the recipients thereof, any positive or negative economic impact caused by extraordinary events that could distort the findings of the assessments are disregarded.</p> <p>Submits a report to the Board, when appropriate, on whether or not application of the malus and/or clawback clauses is necessary.</p> <p>It proposes to the Board of Directors the variable remuneration payable to the Executive Directors. Such proposal also considers the long-term results and any associated risk in the proposed variable remuneration.</p> <p>It proposes Annual Report on Remuneration of the Directors and, when appropriate, the Remuneration Policy to the Board of Directors.</p>	<p>It regularly reviews the Directors' remuneration. This process includes an external competitive remuneration analysis and also takes into account the Remuneration Policy for the executives and other employees in the organisation.</p> <p>A reference market, selected based on a series of objective standards, is considered when conducting the external competitiveness analysis, according to the terms set out below:</p> <ol style="list-style-type: none"> 1. A sufficient number of companies are selected to obtain results that are representative and statistically reliable and sound. 2. Data on size (revenues, assets, market capitalisation and number of employees) are considered so that Telefónica is positioned at the median of the comparison group. 3. Geographic distribution: Mainly companies with their parent company located in Continental Europe and in the United Kingdom are included, as well as representative North American enterprises in the technology, media and entertainment sector or related to such sector that are benchmarks for the company. 4. Geographic scope: Companies are included that operate at an international level. <p>Distribution by sector: It is a multi-sector sample, with homogeneous distribution among the business sectors.</p>
Audit and Supervisory Committee		<p>It analyses the results audited by the external and internal auditor to evaluate achievement of the objectives for the variable remuneration.</p>	
Planning and Control, Corporate Ethics and Sustainability Human Resources		<p>They prepare reports related to the achievement level of the operative, financial and non-financial targets based on the results audited by the Company's external and internal auditor.</p>	
Secretary General	<p>This person prepares the formal documents related to the Remuneration Policy to be submitted to the General Shareholders' Meeting, the Board of Directors, the Executive Committee and/or the Advisory or Supervisory Committees.</p> <p>Together with HR Management, he/she prepares the Annual Report on the Directors' Remuneration.</p>	<p>Together with HR Management, it prepares the Annual Report on Directors' Remuneration.</p>	

	Determining and designing the remuneration elements	Applying the variable remuneration	Analysis of the external competitiveness of the remuneration
Human Resources	<p>It prepares the proposals related to the design of the Remuneration Policy applicable to the Executive Directors.</p> <p>Together with the General Secretary, it prepares the Annual Report on Remuneration of the Directors.</p>	<p>Together with General Secretary, it prepares the Annual Report on Remuneration of the Directors..</p>	
External Advisors in 2021	<p>Willis Towers Watson provided advice on preparing the Annual Report on Remuneration of the Directors for 2021.</p> <p>The law firm Garrigues also took part in the review of the aforementioned report.</p>	<p>Mercer-Kepler analyses the level of achievement of the Total Shareholder Return (TSR) of Telefónica for each of lifecycles of the share plan on a quarterly basis.</p>	<p>Willis Towers Watson provides advice on the comparative analysis of the Directors' and the Senior Executives' remuneration package against the market.</p>

5.1.8. The work performed by the Nominating, Compensation and Corporate Governance Committee

Pursuant to Article 40 of the Articles of Association, Article 23 of the Board of Directors' Regulations and Article 1 of the Nominating, Compensation and Corporate Governance Committee's Regulations, the Committee must be composed of no fewer than three Directors appointed by the Board of Directors; they must be external or Non-Executive Directors and the majority of them must be independent Directors. The Independent Coordinating Director must be a member on the Committee. Lastly, it is also stated that the Chairperson of this Committee must be an independent Director in all cases.

In this respect, the Committee is composed of the following directors:

Name	Position	Type	Date of Appointment
Mr. José Javier Echenique Landiríbar	Chairman	Independent	4 May 2017 (as a Member) 18 December 2019 (the date he was appointed as Chairman)
Mr. Peter Erskine	Member	Other External Director	27 February 2008
Mr. Peter Löscher	Member	Independent	17 April 2020
Ms. María Luisa García Blanco	Member	Independent	18 December 2019
Mr. Francisco Javier de Paz Mancho	Member	Other External Director	8 April 2016

The Nominating, Compensation and Corporate Governance Committee applies the Technical Guide 1/2019 on Appointment and Remuneration Committees, approved by the National Securities Market Commission on 20 February 2019, as well as the CNMV's Good Governance Code for Listed Companies reviewed 20 June 2020.

During the financial year 2021 and up to the date this report was approved, the most significant activities carried out by the Nominating, Compensation and Corporate Governance Committee have been the following

Year 2021:

- Drawing up an Annual Work Plan for 2021, in order to ensure suitable planning to guarantee the targets sought are effectively achieved by the Committee.
- Proposals for appointments related to the Board of Directors and its Committees, and to the Boards of Subsidiary Companies.
- Analysis of the organisational structure of the Telefónica Group and other issues related to the staff.
- Evaluation of achievement of targets linked to the short-term variable remuneration of Executive Directors for the financial year 2020 (payable in 2021).
- Assessment of fulfilment of the targets linked to the first cycle of the 2018-2023 Long-Term Incentive Plan for the Executive Directors and a favourable report on and acceptance of the waiver of this incentive by the Executive Directors.
- Analysis of the Executive Directors' total remuneration for 2021.
- Analysis of the total remuneration for the members of the Executive Committee in 2021.
- Proposal for the Principles of the Directors' Remuneration Policy to be submitted to the Board of Directors and subsequently to the Ordinary General Shareholders' Meeting held in 2021.
- Proposal for determining and monitoring the targets linked to the short-term variable remuneration of Executive Directors for the financial year 2021.
- Proposal for the Long-Term Incentive Plan consisting of providing Telefónica, S.A. shares, earmarked for the Executives of the Telefónica Group, including the Executive Directors of Telefónica, S.A., to be submitted to the Board of Directors and subsequently to the Ordinary General Shareholders' Meeting held in 2021.
- Proposal to grant the Extraordinary Variable Remuneration to the Executive Directors, as a reward for the effort and special dedication undertaken for the achievement of certain strategic milestones of the Company, in accordance with the provisions of the Remuneration Policy.
- Proposal regarding the 2020 Annual Report on the Directors' Remuneration to be submitted to the Board of Directors and subsequently submitted to the Ordinary General Shareholders' Meeting held in 2021.
- Proposal to amend the Regulations of the Board of Directors to adapt them to the new provisions introduced by Act 5 of 12 April 2021 amending the text of the Spanish Corporate Enterprises Act and other financial regulations, as regards the encouragement of long-term shareholder engagement at listed companies.

Year 2022:

- Analysis of the Executive Directors' total remuneration for 2022.
- Evaluation of achievement of targets linked to the short-term variable remuneration of Executive Directors for the financial year 2021 (payable in 2022).
- Assessment of the achievement of the targets linked to the second cycle 2019-2022 of the Long-Term Incentive Plan 2018-2023 (to be paid out in 2022).
- Proposal for determining the objectives linked to the short-term variable remuneration of the Executive Directors for the financial year 2022.
- Proposal for determining the objectives linked to the second cycle 2022-2025 of the Long-Term Incentive Plan 2021- 2026.
- Proposal for the 2021 Annual Report on the Directors' Remuneration to be submitted to the Board of Directors and subsequently to the Ordinary General Shareholders' Meeting to be held in 2022.

Moreover, it should be pointed out that the Nominating, Compensation and Corporate Governance Committee can request the Board of Directors to hire legal, accounting and financial advisors and other experts at the company's expense. In this respect, WTW provided advice on drawing up this Annual Report on the Directors' Remuneration. Likewise, the law firm Garrigues took part in the review thereof.

5.1.9. Alignment of the remuneration system with the risk profile

Telefónica's Remuneration Policy has the following features that enable its exposure to excessive risks to be reduced and adjustment to the Company's long-term targets, values and interests:

Adopting measures related to the staff categories whose professional work has a significant impact on the Company's risk profile

The Nominating, Compensation and Corporate Governance Committee supervises the examination, analysis and application of the remuneration policy of the professionals whose work could have a significant impact on the Company's risk profile.

There is no guaranteed variable remuneration.

The variable remuneration is only payable after the date the relevant annual accounts have been drawn up, once the achievement level of the operating and financial targets can be determined.

As part of the process to evaluate the variable remuneration, the Nominating, Compensation and Corporate Governance Committee considers the quality of the long-term results and any other related risk.

The design of the Long-Term Incentive Plans, each one with three-year cycles, means that the results of each year are interrelated. It therefore acts as a catalyst for alignment with the Company's long-term interests and cautious decision-making.

The Nominating, Compensation and Corporate Governance Committee is authorised to propose cancellation of payment of the variable remuneration to the Board of Directors under certain circumstances. In addition, the company has included some malus and clawback clauses in the Long-Term Incentive Plan 2018-2023, approved by the General Shareholders' Meeting held in 2018. In this regard, the detailed information can be found in section 5.1.6 of this Report.

The new Remuneration Policy approved by the General Shareholders' Meeting in 2021 will propose standardising the malus and clawback clauses so that they are applicable to any variable remuneration component. In this respect, the possibility will be included to (i) partially or fully cancel the variable remuneration pending payment (malus) and/or (ii) partially or fully recover any variable remuneration component within twenty-four (24) months after payment thereof (clawback), when certain exceptional situations arise that affect the company's results or are related to the Executive Director's inappropriate conduct. Additionally, the Long-Term Incentive Plan 2021-2026 approved by the General Shareholders' Meeting in 2021 envisages the aforementioned malus and clawback provisions.

The Company's Audit and Supervisory Committee takes part in the decision-making process related to the short-term variable remuneration (bonus) of Executive Directors by verifying the economic-financial and non-financial information that may be part of the targets set for the purpose of such remuneration, as this Committee must first verify the Company's results as the basis for calculating the relevant targets.

The Nominating, Compensation and Corporate Governance Committee is composed of 5 members, two of them are also members on the Audit and Supervisory Committee. The fact that these Directors are members of these two Committees ensures that the risks related to remuneration are taken into account in the discussions held by both Committees and in their proposals submitted to the Board, both in the determination and assessment process of the annual and multiannual incentives.

According to the new Remuneration Policy that will be proposed, the Board of Directors, based on a proposal made by the Nominating, Compensation and Corporate Governance Committee, is authorised to agree on the possible revaluation or modification of the remuneration linked to the results if there are significant internal or external changes that mean they need to be reviewed.

Regarding the measures required to avoid conflicts of interest by the directors, according to the provisions in the Spanish Corporate Enterprises Act, the Regulations

of Telefónica's Board of Directors includes a series of obligations related to its duties of loyalty and to avoid situations of conflict of interest. Moreover, the Nominating, Compensation and Corporate Governance Committee's Regulations determine that one of its duties is to ensure that possible conflicts of interest do not harm the independence of the external advice provided to the Committee.

Consistency with the Company's strategy and focus on achieving results in the long-term

The design of the remuneration policy, consistent with the Company's strategy and aimed at obtaining long-term results, is as follows:

- a. The total remuneration for the Executive Directors and Senior Executives consists of various remunerative components, mainly composed of the following: (i) Fixed Remuneration, (ii) Short-term Variable Remuneration and (iii) Long-term Variable Remuneration. In the case of the Executive Directors, under normal conditions, at the date of the grant this long-term component accounts for a weight of on the date such General no less than 30% of their total remuneration in a scenario of standard achievement of targets (fixed + short-term variable + long-term variable). The long-term remuneration accrued in 2021 has had a lower weighting due to the relative TSR target not being met and due to the decrease in the share value compared to the price at which the shares were granted in 2019.
- b. The long-term variable remuneration plans are part of a multi-annual framework in order to ensure that the assessment process is based on long-term profits and that the company's underlying economic cycle is taken into account. This remuneration is allocated and paid in the form of shares based on the creation of value, so that the Executives' interests are in line with those of the shareholders. In addition, they are overlapping cycles that generally follow one another indefinitely over time, with a permanent focus on the long-term in all decision-making.
- c. Under the Remuneration Policy, 100% of the shares provided within the scope of the Long-Term Incentive Plan 2021-2026 to the Executive Directors and other members determined by the Board of Directors are subject to a retention period of two years. In addition, if an Executive Director does not fulfil the commitment to permanently hold the shares, the retention period of the shares that, if any, they receive due to any variable remuneration component will be increased up to 3 years.

A suitable balance between the fixed and variable components of the remuneration: Executive Directors have a variable remuneration scheme that is fully flexible, which includes a minimum threshold below which no incentive is payable. The short- and long-term

variable remuneration percentage can be relevant in the event of maximum achievement of the targets. In any case, such percentage with respect to the total remuneration (considered as the Fixed Remuneration, Short-Term Variable Remuneration and annualised Long-Term Incentive) will not exceed 85%.

Receiving 20% of the short-term variable remuneration is linked to the following ESG metrics: NPS (8%), NPS GAP (3%), Climate Change - GHG Emissions (5%), Society's Trust - REP Trak (3%), Gender Equality - % of women in executive positions (1%).

Additionally, the payment of 10% of the incentives corresponding to the first and second cycles of the Long-Term Incentive Plan 2021-2026 are linked to the Neutralisation of CO₂ Emissions.

5.1.10. Remuneration of members of Senior Management (non-Directors)

See Annex II (Remuneration to the Board and Senior Management) of the Consolidated Annual Accounts of Telefónica corresponding to fiscal year 2021.

5.2. Annual Report Corporate Governance Report Statistical Annex

Annual Report on Remuneration of Directors
of listed companies Statistical Annex
(established by Circular 3/2021, of
September 28, of the National Securities
Market Commission, which modifies Circular
4/2013, of June 12, which establishes the
annual remuneration report models of the
Directors of listed public limited companies)

Unless otherwise indicated all data as of December 31,
2021.

B. Overall summary of how remuneration policy has been applied during the year ended

B.4 Report on the result of the consultative vote at the General Shareholders' Meeting on remuneration in the previous year, indicating the number of abstentions and negative, blank and in favor votes that have been issued

	Number	% of total
Votes cast	3,038,958,272	54.99 %

	Number	% cast
Votes against	230,627,308	7.59 %
Votes in favour	2,699,923,154	88.84 %
Blank ballots	—	— %
Abstentions	108,407,810	3.57 %

C Itemised individual remuneration accrued by each Director

Name	Type	Period of accrual in 2020
Mr. JOSÉ MARÍA ÁLVAREZ-PALLETE LÓPEZ	Executive Chairman	From 01/01/2021 to 31/12/2021
Mr. ISIDRO FAINÉ CASAS	Proprietary Vice Chairman	From 01/01/2021 to 31/12/2021
Mr. JOSÉ MARÍA ABRIL PÉREZ	Proprietary Vice Chairman	From 01/01/2021 to 31/12/2021
MR. JOSÉ JAVIER ECHEÑIQUE LANDIRÍBAR	Independent Vice Chairman	From 01/01/2021 to 31/12/2021
Mr. ÁNGEL VILÁ BOIX	Chief Operating Officer	From 01/01/2021 to 31/12/2021
Mr. JUAN IGNACIO CIRAC SASTURAIN	Independent Director	From 01/01/2021 to 31/12/2021
Mr. PETER ERSKINE	Other External Director	From 01/01/2021 to 31/12/2021
Ms. CARMEN GARCÍA DE ANDRÉS	Independent Director	From 01/01/2021 to 31/12/2021
Ms. MARÍA LUISA GARCÍA BLANCO	Independent Director	From 01/01/2021 to 31/12/2021
Mr. PETER LÖSCHER	Independent Director	From 01/01/2021 to 31/12/2021
Ms. VERÓNICA PASCUAL BOÉ	Independent Director	From 01/01/2021 to 31/12/2021
Mr. FRANCISCO JAVIER DE PAZ MANCHO	Other External Director	From 01/01/2021 to 31/12/2021
Mr. FRANCISCO JOSÉ RIBERAS MERA	Independent Director	From 01/01/2021 to 31/12/2021
Ms. MARÍA ROTONDO URCOLA	Independent Director	From 29/09/2021 to 31/12/2021
Ms. CLAUDIA SENDER RAMÍREZ	Independent Director	From 01/01/2021 to 31/12/2021
Ms. SABINA FLUXÀ THIENEMANN	Independent Director	From 01/01/2021 to 29/09/2021
Mr. JORDI GUAL SOLÉ	Proprietary Director	From 01/01/2021 to 15/12/2021
Mr. IGNACIO MORENO MARTÍNEZ	Proprietary Director	From 01/01/2021 to 15/12/2021

C.1 Complete the following tables regarding the individual remuneration of each director (including the salary received for performing executive duties) accrued during the year.

a) Remuneration from the reporting company:

i) Remuneration in cash (thousand euros)

Name	Fixed Remuneration	Per diem allowances	Remuneration for membership of Board's committees	Salary	Short-term variable remuneration	Long-term variable remuneration	Severance pay	Other grounds	Total in 2021	Total in 2020
MR. JOSÉ MARÍA ÁLVAREZ-PALLETE LÓPEZ	0	0	0	1,923	3,808	0	0	1,923	7,654	5,035
MR. ISIDRO FAINÉ CASAS	200	0	80	0	0	0	0	0	280	280
MR. JOSÉ MARÍA ABRIL PÉREZ	200	11	91	0	0	0	0	0	302	300
MR. JOSÉ JAVIER ECHEÑIQUE LANDIRÍBAR	200	23	114	0	0	0	0	0	337	340
MR. ÁNGEL VILÁ BOIX	0	0	0	1,600	2,640	0	0	1,600	5,840	3,758
MR. JUAN IGNACIO CIRAC SASTURAIN	120	21	22	0	0	0	0	0	163	142
MR. PETER ERSKINE	120	23	114	0	0	0	0	0	257	253
MS. CARMEN GARCÍA DE ANDRÉS	120	21	22	0	0	0	0	0	163	166
MS. MARÍA LUISA GARCÍA BLANCO	120	23	22	0	0	0	0	0	165	164
MR. PETER LÖSCHER	120	22	109	0	0	0	0	0	251	189
MS. VERÓNICA PASCUAL BOÉ	120	10	11	0	0	0	0	0	141	140
MR. FRANCISCO JAVIER DE PAZ MANCHO	120	32	125	0	0	0	0	0	277	276
MR. FRANCISCO JOSÉ RIBERAS MERA	120	0	0	0	0	0	0	0	120	120
MS. MARÍA ROTONDO URCOLA	30	2	3	0	0	0	0	0	35	0
MS. CLAUDIA SENDER RAMÍREZ	120	19	21	0	0	0	0	0	160	141

MS. SABINA FLUXÀ THIENEMANN	90	0	0	0	0	0	0	0	90	128
MS. JORDI GUAL SOLÉ	120	22	22	0	0	0	0	0	164	162
MS. IGNACIO MORENO MARTÍNEZ	120	31	45	0	0	0	0	0	196	200

ii) Table of changes in share-based remuneration schemes and gross profit from consolidated shares or financial instruments

Name	Name of Plan	Financial instruments at start of 2021		Financial instruments granted at start of 2021		Financial instruments consolidated during the year				Instruments matured but not exercised		Financial instruments at end of 2021	
		No. of instruments	No. of equivalent shares	No. of instruments	No. of equivalent shares	No. of instruments	No. of equivalent shares/handed over	Price of the consolidated shares	Net profit from shares handed over or consolidated financial instruments (thousand €)	No. of instruments	No. of instruments	No. of equivalent shares	
MR. JOSÉ MARÍA ÁLVAREZ-PALLETE LÓPEZ	Performance Share Plan ("PSP") 2019-2022 (Second Cycle)	468,000	468,000	0	0	234,000	234,000	3.8520	901	234,000	0	0	
	Performance Share Plan ("PSP") 2020-2023 (Third Cycle)	267,000	267,000	0	0	0	0	0	0	0	267,000	267,000	
	Performance Share Plan ("PSP") 2021-2024 (First Cycle)	0	0	1,094,000	1,094,000	0	0	0	0	0	1,094,000	1,094,000	
	Global Employee Share Plan ("GESP") 2019-2021	167	167	0	0	167	167	3.9315	1	0	0	0	
MR. ÁNGEL VILÁ BOIX	Performance Share Plan ("PSP") 2019-2022 (Second Cycle)	347,000	347,000	0	0	173,500	173,500	3.8520	668	173,500	0	0	
	Performance Share Plan ("PSP") 2020-2023 (Third Cycle)	198,000	198,000	0	0	0	0	0	0	0	198,000	198,000	
	Performance Share Plan ("PSP") 2021-2024 (First Cycle)	0	0	819,000	819,000	0	0	0	0	0	819,000	819,000	
	Global Employee Share Plan ("GESP") 2019-2021	167	167	0	0	167	167	3.9315	1	0	0	0	

iii) Long-term saving systems

Name	Remuneration from consolidation of rights to savings system (thousand €)
Mr. José María Álvarez-Pallete López	132
Mr. Ángel Vilá Boix	72

Name	Contribution over the year from the company (thousand €)				Amount of accumulated funds (thousand €)			
	Savings systems with consolidated economic rights		Savings systems with consolidated economic rights		Systems with consolidated economic rights		Systems with unconsolidated economic rights	
	2021 Year	2020 Year	2021 Year	2020 Year	2021 Year	2020 Year	2021 Year	2020 Year
Mr. José María Álvarez-Pallete López	132	132	541	541	1,133	927	10,636	9,389
Mr. Ángel Vilá Boix	72	72	488	488	802	675	8,198	7,170

iv) Details of other items

Name	Item	Remuneration Amount
Mr. José María Álvarez-Pallete López	Health insurance premium	6
Mr. José María Álvarez-Pallete López	Life insurance premium	31
Mr. Ángel Vilá Boix	Health insurance premium	6
Mr. Ángel Vilá Boix	Life insurance premium	24
Mr. Ángel Vilá Boix	Company vehicle	15

b) Remuneration of directors of the listed company for seats on the boards of other subsidiary companies:**i) Remuneration in cash (thousand euros)**

Name	Fixed Remuneration	Per diem allowances	Remuneration for member ship of Board's committees	Salary	Short-term variable remuneration	Long-term variable remuneration	Severance pay	Other grounds	Total in 2021	Total in 2020
									Total in 2021	Total in 2020
MR. JOSÉ MARÍA ÁLVAREZ-PALLETE										
LÓPEZ	0	0	0	0	0	0	0	0	0	0
MR. ISIDRO FAINÉ CASAS	0	0	0	0	0	0	0	0	0	0
MR. JOSÉ MARÍA ABRIL PÉREZ	0	0	0	0	0	0	0	0	0	0
MR. JOSÉ JAVIER ECHEÑIQUE										
LANDIRÍBAR	107	0	0	0	0	0	0	51	158	158
MR. ÁNGEL VILÁ BOIX	0	0	0	0	0	0	0	0	0	0
MR. JUAN IGNACIO CIRAC										
SASTURAIN	0	0	0	0	0	0	0	0	0	0
MR. PETER ERSKINE	63	0	0	0	0	0	0	0	63	30
MS. CARMEN GARCÍA DE ANDRÉS	0	0	0	0	0	0	0	0	0	0
MS. MARÍA LUISA GARCÍA BLANCO	0	0	0	0	0	0	0	51	51	0
MR. PETER LÖSCHER	100	0	0	0	0	0	0	0	100	74
MS. VERÓNICA PASCUAL BOÉ	0	0	0	0	0	0	0	0	0	0
MR. FRANCISCO JAVIER DE PAZ										
MANCHO	206	0	0	0	0	0	0	89	295	286
MR. FRANCISCO JOSÉ RIBERAS										
MERA	0	0	0	0	0	0	0	0	0	0
MS. MARÍA ROTONDO URCOLA	0	0	0	0	0	0	0	0	0	0
MS. CLAUDIA SENDER RAMÍREZ	0	0	0	0	0	0	0	38	38	0
MS. SABINA FLUXÀ THIENEMANN	0	0	0	0	0	0	0	0	0	0
MS. JORDI GUAL SOLÉ	0	0	0	0	0	0	0	0	0	0
MS. IGNACIO MORENO MARTÍNEZ	0	0	0	0	0	0	0	0	0	0

1. Strategy and growth model
2. Non-financial Information statement
3. Risks
4. Annual corporate governance report
- 5. Annual report on remuneration of the directors**
6. Other information

ii) Table of changes in share-based remuneration schemes and gross profit from consolidated shares or financial instruments

Financial instruments at start of 2021				Financial instruments granted at start of 2021				Financial instruments consolidated during the year			Instruments matured but not exercised	Financial instruments at end of 2021		
Name	Name of Plan	No. of instruments	No. of equivalent shares	No. of instruments	No. of equivalent shares	No. of instruments	No. of equivalent shares/handed over	Price of the consolidated shares	Net profit from shares handed over or consolidated financial instruments (thousand €)	No. of instruments	No. of instruments	No. of equivalent shares		
No data														

iii) Long-term saving systems

Remuneration from consolidation of rights to savings system	
Name	
No data	

Name	Contribution over the year from the company (thousand €)				Amount of accumulated funds (thousand €)			
	Savings systems with consolidated economic rights		Savings systems with consolidated economic rights		Systems with Consolidated economic rights		Systems with unconsolidated economic rights	
	Year 2021	Year 2020	Year 2021	Year 2020	Year 2021	Year 2020	Year 2021	Year 2019
Mr. José María Álvarez-Pallete López	0	0	0	0	178	165	0	0
Mr. Ángel Vilá Boix	0	0	0	0	24	22	0	0

iv) Details of other items

Name	Item	Remuneration Amount
No data		

c) Summary of remunerations (thousand €):

This should include a summary of the amounts corresponding to all the remuneration items included in this report that have accrued to each director (thousand €).

Name	Remuneration accrued in the company				Remuneration accrued in group companies				Total 2021 group	Total 2021 company + group
	Total cash remuneration	Gross profit of consolidated shares or financial instruments	Gross profit from options exercised	Remuneration for other items	Total 2021 company	Total cash remuneration	Gross profit of consolidated shares or financial instruments	Gross profit from options exercised	Remuneration for other items	
MR. JOSÉ MARÍA ÁLVAREZ-PALLETE LÓPEZ	7,654	902	132	37	8,725	0	0	0	0	8,725
MR. ISIDRO FAINÉ CASAS	280	0	0	0	280	0	0	0	0	280
MR. JOSÉ MARÍA ABRIL PÉREZ	302	0	0	0	302	0	0	0	0	302
MR. JOSÉ JAVIER ECHENIQUE LANDIRÍBAR	337	0	0	0	337	158	0	0	0	495
MR. ÁNGEL VILÁ BOIX	5,840	669	72	45	6,626	0	0	0	0	6,626
MR. JUAN IGNACIO CIRAC SASTURAIN	163	0	0	0	163	0	0	0	0	163
MR. PETER ERSKINE	257	0	0	0	257	63	0	0	0	320
MS. CARMEN GARCÍA DE ANDRÉS	163	0	0	0	163	0	0	0	0	163
MS. MARÍA LUISA GARCÍA BLANCO	165	0	0	0	165	51	0	0	0	216
MR. PETER LÖSCHER	251	0	0	0	251	100	0	0	0	351
MS. VERÓNICA PASCUAL BOÉ	141	0	0	0	141	0	0	0	0	141
MR. FRANCISCO JAVIER DE PAZ MANCHO	277	0	0	0	277	295	0	0	0	572
MR. FRANCISCO JOSÉ RIBERAS MERA	120	0	0	0	120	0	0	0	0	120
MS. MARÍA ROTONDO URCOLA	35	0	0	0	35	0	0	0	0	35
MS. CLAUDIA SENDER RAMÍREZ	160	0	0	0	160	38	0	0	0	198
MS. SABINA FLUXÀ THIENEMANN	90	0	0	0	90	0	0	0	0	90

MR. JORDI GUAL SOLÉ	164	0	0	0	164	0	0	0	0	0	164
MR. IGNACIO MORENO MARTÍNEZ	196	0	0	0	196	0	0	0	0	0	196
TOTAL	16,595	1,571	204	82	18,452	705	0	0	0	705	19,157

C.2 Indicate the evolution in the last five years of the amount and percentage variation of the remuneration accrued by each of the directors of the listed company who have held this position during the year, the consolidated results of the company and the average remuneration on an equivalent basis with regard to full-time employees of the company and its subsidiaries that are not directors of the listed company.

Total amounts accrued and % annual variation									
	Year 2021	% variation 2021/2020	Year 2020	% variation 2020/2019	Year 2019	% variation 2019/2018	Year 2018	% variation 2018/2017	Year 2017
Executive directors									
MR. JOSÉ MARÍA ÁLVAREZ-PALLETE LÓPEZ	8,725	68.01	5,193	-6.21	5,537	-0.29	5,553	0.89	5,504
MR. ÁNGEL VILÁ BOIX	6,626	71.17	3,871	-5.45	4,094	-0.51	4,115	132.88	1,767
External directors									
MR. ISIDRO FAINÉ CASAS	280	0.00	280	0.00	280	0.00	280	0.00	280
MR. JOSÉ MARÍA ABRIL PÉREZ	302	0.67	300	0.00	300	0.00	300	0.67	298
MR. JOSÉ JAVIER ECHEÑIQUE LANDIRÍBAR	495	-0.60	498	20.00	415	14.64	362	45.97	248
MR. JUAN IGNACIO CIRAC SASTURAIN	163	14.79	142	1.43	140	-0.71	141	0.71	140
MR. PETER ERSKINE	320	13.07	283	4.43	271	1.88	266	-1.85	271
MS. CARMEN GARCÍA DE ANDRÉS	163	-1.81	166	3.11	161	1.90	158	59.60	99
MS. MARÍA LUISA GARCÍA BLANCO	216	31.71	164	3.80	158	54.90	102	-	0
MR. PETER LÖSCHER	351	33.46	263	56.55	168	7.01	157	12.14	140
MS. VERÓNICA PASCUAL BOÉ	141	0.71	140	-	0	-	0	-	0

MR. FRANCISCO JAVIER DE PAZ MANCHO	572	1.78	562	-3.93	585	8.33	540	-4.26	564
MR. FRANCISCO JOSÉ RIBERAS MERA	120	0.00	120	0.00	120	0.00	120	51.90	79
MS. MARÍA ROTONDO URCOLA	35	-	0	-	0	-	0	-	0
MS. CLAUDIA SENDER RAMÍREZ	198	40.43	141	-	0	-	0	-	0
MS. SABINA FLUXÀ THIENEMANN	90	-29.69	128	-7.91	139	-0.71	140	-0.71	141
MR. JORDI GUAL SOLÉ	164	1.23	162	0.62	161	9.52	147	-	0
MR. IGNACIO MORENO MARTÍNEZ	196	-2.00	200	2.56	195	2.63	190	2.15	186
CONSOLIDATED RESULTS OF THE COMPANY	12,095	368.25	2,583	-4.97	2,718	-51.21	5,571	21.19	4,597
AVERAGE EMPLOYEE REMUNERATION	62	31.91	47	-30.88	68	33.33	51	-7.27	55

OBSERVATIONS:

Mr. José María Álvarez-Pallete López:

(i) The year-on-year variation in remuneration in 2020 compared to 2021 considering ordinary remuneration (i.e. not including extraordinary variable remuneration and without taking into account what is described in point (ii) below), is 16%, derived from the YoY performance variation associated with the Director's variable remuneration. The consolidated result of the company has increased by 368% in 2021 in comparison to 2020.

(ii) The variation shown in the grid is determined by the Executive Chairman's proposal to waive the first cycle of the 2018-2023 Long-Term Incentive Plan, which the Board of Directors agreed not to pay in 2020 as a gesture of responsibility following the effects of COVID-19, and the extraordinary variable remuneration paid to the Executive Chairman in 2021 (see section 5.1.6.D).

(iii) It should be noted that the remuneration accrued in 2021 by the Executive Chairman represents 95.8% of his annual target remuneration, in line with the provisions of the Remuneration Policy approved at the 2021 General Shareholders' Meeting, and his fixed remuneration is the same as the amount paid since 2013 and it was determined for his position as Chief Operating Officer and remained the same after his appointment as Chairman in 2016.

(iv) The remuneration corresponding to 2017 includes the amount of the column "Total year 2017" in section D.1.C of the 2017 Annual Report on Remuneration (€5,358 thousand), plus the amount of contributions to long-term savings schemes with vested economic rights (€146 thousand).

Mr. Ángel Vila Boix:

(i) The year-on-year variation in remuneration in 2020 compared to 2021 considering ordinary remuneration (i.e. not including extraordinary variable remuneration and without taking into account what is described in point (ii) below), is 15%, derived from the YoY performance variation associated with the director's variable remuneration.

(ii) The variation shown in the grid is determined by the Chief Operating Officer proposal to waive the first cycle of the 2018-2023 Long-Term Incentive Plan, which the Board of Directors agreed not to pay in 2020 as a gesture of responsibility following the effects of COVID-19, and the extraordinary variable remuneration paid to the Chief Operating Officer in 2021 (see section 5.1.6.D).

(iii) It should be noted that the remuneration accrued in 2021 by the Chief Operating Officer represents 98.1% of his annual target remuneration, in line with the provisions of the Remuneration Policy approved at the 2021 General Shareholders' Meeting.

(iv) The 2017 and 2018 figures are not comparable as the Director was appointed on July 26, 2017 and therefore the remuneration relates to the period from July 26 to December 31, 2017. As of 2018 he was a member of the Board for the full financial year.

Mr José Javier Echenique Landiríbar: In 2018, he started to receive additional remuneration for joining the Boards of Directors of other Telefónica Group companies.

On December 18, 2019, he was appointed Vice-Chairman of the Board of Directors, which increased his fixed remuneration by €80 thousand per annum.

Ms Carmen García de Andrés and Mr Francisco José Riberas Mera (% variation 2017/2018): The figures provided show the variation between the remuneration actually accrued in 2016 and in 2017. These figures are not comparable as the Directors were appointed on May 4, 2017, and therefore the remuneration relates to the period from May 4 to December 31, 2017. From 2018 onwards they were members of the Board for the full financial year.

Ms María Luisa García Blanco: The 2018/2019 variation figure shows the difference between the remuneration actually accrued in 2018 and 2019. These figures are not comparable as the Director was appointed on April 25, 2018, and therefore the remuneration relates to the period from April 25 to December 31, 2018. As of 2019 she was a member of the Board for the full financial year.

Regarding the 2020/2021 variation, the increase in remuneration is attributable mainly to Ms. María Luisa García Blanco joining the Advisory Board of Telefónica España in 2021.

Mr Peter Löscher: In mid-2020, Mr. Löscher started to receive additional remuneration for joining the boards of directors of other companies of the Telefónica Group. As of 2021, he has already received the full remuneration for the entire financial year for belonging to these administrative bodies.

Ms Claudia Sender Ramírez (% variation 2020/2021): On February 24, 2021, the Director joined the Strategy and Innovation Committee, receiving the corresponding fixed remuneration.

Ms Sabina Fluxá Thienemann (% variation 2020/2021): The reduction in remuneration is mainly a consequence of Ms. Sabina Fluxá Thienemann's resignation from her position as Director on September 29, 2021.

Average employee remuneration of Telefónica, S.A. and all of its subsidiaries: In financial year 2019, the average employee remuneration has been calculated on the basis of the personnel expenses included in the consolidated annual accounts for that year, where the cost of the Individual Suspension Plan is included. In this regard, on September 27, 2019,

Telefónica España signed the 2nd Collective Bargaining Agreement for Related Companies (CEV). The present value of the Plan's payment flows, together with the updating of the estimates of the previous plan and the provision associated with the training plan, resulted in a pre-tax expense of EUR 1,732 million.

In 2021, the average remuneration has been calculated on the basis of the personnel expenses included in the consolidated financial statements for that year, which include the cost of the Telefónica España Voluntary Redundancy Plan. The impact of this Plan on personnel expenses amounts to 1,382 million euros before tax.

D. Other Information of Interest

This annual remuneration report has been approved by the Board of Directors of the company on February 23, 2022.

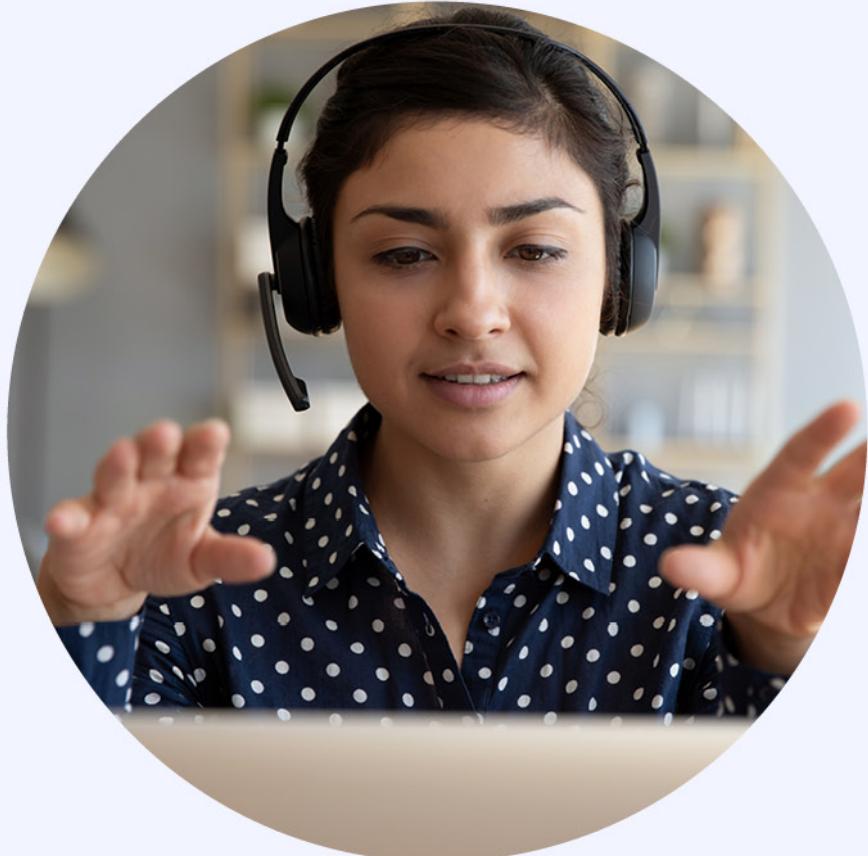
State whether any director has voted against or abstained from approving this report

No

Chapter 6

Other information

- [6.1. Liquidity and Capital Resources](#)
- [6.2. Treasury shares](#)
- [6.3. Events after close](#)
- [6.4. Average payment period of the Spanish companies](#)
- [6.5. Glossary of terms](#)



6.1. Liquidity and Capital Resources

Financing

During 2021, Telefónica obtained financing (excluding the refinancing of euro commercial paper and short-term banking loans) totaling approximately 6,667 million euros of which 2,954 million euros was at the group level, 1,650 million euros were obtained by the vehicle of the Group's JV in Germany with Allianz, 1,976 million euros were obtained by the vehicle of the Group's JV in the UK with Liberty Global plc and 87 million euros were obtained by

the vehicle of the Group's JV in Brazil with CDPQ. Telefónica's financing activity in 2021 was focused on maintaining a solid liquidity position, as well as refinancing and extending the debt maturities (in an environment of low interest rates).

The main financing transactions carried out in the bond market in 2021 are as follows:

Item	Date	Nominal (millions)				Coupon
		Maturity Date	Currency	Euros	Currency of issuance	
Telefónica Móviles Chile, S.A.						
Bond	04/15/2021	03/01/2026	90,000	94	CLP	3.600 %
Bond	11/18/2021	11/18/2031	500	441	USD	3.537 %

The main financing transaction carried out in the bank market in 2021 is as follows:

On March 26, 2021, Telefónica, S.A. signed and drew down 200 million euros of its bilateral loan and originally scheduled to mature in 2022. On June 28, 2021 an early repayment took place.

On June 17, 2021, Telefónica Germany GmbH & Co. OHG drew down 300 million euros of its EIB bilateral loan tranche 1 signed on December 18, 2019 and maturing in 2029.

on July 14, 2021, Telefónica Germany GmbH & Co. OHG drew down 150 million euros of its EIB bilateral loan tranche 2 signed on January 14, 2020 and maturing in 2029.

Availability of funds

As of December 31, 2021, Telefónica's liquidity, amounting to 24,586 million euros, includes: undrawn committed credit facilities arranged with banks for an amount of 12,182 million euros (of which 11,791 million euros maturing in more than 12 months); and cash equivalents and certain current financial assets.

Additional information on sources of liquidity and undrawn lines of credit available to the Company, on liquidity risk management, on the Company's debt levels, and on capital management is provided in Notes 17, 18 and 19 to the consolidated financial statements.

Contractual commitments

Note 26 to the consolidated financial statements provides information on firm commitments giving rise to future cash outflows and associated with purchases and services received in relation to the Company's principal activity, and any low value assets and short-term leases related to the Company's activity, primarily.

Credit risk management

The Telefónica Group considers customer credit risk management as a key element to achieve its business and customer base growth targets in a sustainable way. This management approach relies on the active evaluation of the risk-reward balance within the commercial operations and on the adequate separation between the risk ownership and risk management functions.

Formal delegation of authority procedures and management practices are implemented in the different Group companies, taking into account benchmark risk management techniques but adapted to the local characteristics of each market. Commercial debtors that may cause a relevant impact on the Telefónica Group consolidated financial statements and increased risk profile products - due to customer target, term, channels or other commercial characteristics - are subject to specific management practices in order to mitigate the exposure to credit risk. These procedures include:

- Statistical and expert models for customer acquisition that are used to forecast and to manage the customer expected probability of default.
- Decision tools allowing the implementation of tailored credit strategies by product, channel, geography and type of customer.
- Continuous monitoring of the payment behavior and solvency of the customer portfolio.
- Internal and external collection processes designed to increase recovery through differentiated actions by debt age and customer profile.

Ongoing controls over the credit risk exposure.

The customer credit risk management strategy is embedded in the day-to-day operational processes guiding both the product and services available for the different customer profile and the management practices all through the customer life-cycle.

Credit rating

At December 31, 2021, Telefónica, S.A.'s long-term issuer default rating is "BBB stable outlook" from Fitch, "BBB-stable outlook" from Standard & Poor's and "Baa3 stable outlook" from Moody's. During 2021, there have not been changes in the long-term credit ratings by any of the three agencies. Last changes in the credit ratings took place in 2020 when Standard and Poor's revised the outlook to "negative" from "stable" on April 1, 2020 and later, on November 20, 2020 downgraded the rating to "BBB - stable" from "BBB negative". On November 7, 2016 Moody's downgraded the rating to "Baa3 stable" from "Baa2 negative" and on September 5, 2016 Fitch downgraded the rating to "BBB stable" from "BBB+ stable".

In 2021, measures taken to protect the credit rating included an active portfolio management through the closing of the sale of telecommunications towers division in Europe (Spain and Germany) and in Latin America (Brazil, Peru, Chile and Argentina), the completion of the sale of the entire share capital of Telefónica de Costa Rica TC and the agreement reached for the sale of the entire share capital of Telefónica Móviles El Salvador.

Telefónica also closed various strategic deals to reinforce its business profile, on one side with Liberty Global plc, with which it has agreed to combine their respective operating businesses in the United Kingdom in a 50-50 joint venture, and on the other side, Telefónica has also closed the agreement reached between Telefónica Chile and KKR Alameda Aggregator for the sale of 60% of the shares of InfraCo, that will provide wholesale connectivity services to Telefónica Chile on InfraCo's fibre network and have close the agreement with CDPQ for the construction, development and operation of a fibre (FTTH) network in Brazil. Finally, Telefónica Colombia has entered into a sale and purchase agreement on fibre assets with a Colombian company controlled by KKR.

Apart from that, Telefónica decided to maintain the distribution of dividends through two voluntary scrip dividends in 2021 and Telefónica España signed a social pact for employment supported by the largest trade unions that contemplates an individual suspension plan of employment, fully voluntary.

Dividend policy

Telefónica, S.A.'s dividend policy is revised yearly based on the Group's earnings, cash generation, solvency, liquidity, flexibility to make strategic investments.

On March 2017 the Board of Directors of Telefónica, S.A. decided to define the corresponding payment periods of the dividends. Therefore, from there on, the dividend payment in the second quarter will take place in June, and the dividend payment in the fourth quarter will take place in December, in both cases on or before the third Friday of the corresponding month.

In February 2020, Telefónica announced the dividend policy for the year 2020: 0.40 euros per share payable in December 2020 (0.20 euros per share) and in June 2021 (0.20 euros per share).

In May 2020, after the corresponding analyses, it was concluded that the Company had a sufficiently healthy cash position to maintain the previously announced dividends payment. However, for reasons of financial prudence in the context of the COVID-19 health crisis and in order to grant greater flexibility in regard to cash outflows and different alternatives for the shareholders, it was deemed appropriate to propose for approval of the Annual General Shareholders Meeting held on June 12, 2020 the implementation of the payment of sums to be made during this fiscal year 2020 through separate scrip dividends (the "Telefónica Flexible Dividend"), which as is known, provides all shareholders with the choice of receiving the relevant compensation in shares or in cash, at the shareholder's discretion.

The Annual General Shareholders Meeting held on June 12, 2020 approved the Proposals of the scrip dividend, which were executed in June and December 2020.

In February 2021, Telefónica announced the dividend policy for the year 2021, which consists of an amount of 0.30 euros per share, payable in December 2021 (0.15 euros per share) and in June 2022 (0.15 euros per share).

The Annual General Shareholders Meeting held on April 23, 2021 approved the Proposals of the scrip dividend, which were executed in June and December, 2021.

For the payment in Jun 2022, the adoption of the corresponding corporate resolutions will be proposed to the Annual General Meeting to be held in 2022.

6.2. Treasury shares

Telefónica has performed, and may consider performing, transactions with treasury shares and financial instruments or contracts that confer the right to acquire treasury shares or assets whose underlying is Company shares.

Treasury share transactions will always be for legitimate purposes, including:

Undertaking treasury share acquisitions approved by the Board of Directors or pursuant to General Shareholders' Meeting resolutions.

Honoring previous legitimate commitments assumed.

Covering requirements for shares to allocate to employees and management under stock option plans.

Other purposes in accordance with prevailing legislation. In the past, treasury shares purchased on the stock market were exchanged for other shares-securities (as in the case of preferred capital securities), swapped for stakes in other companies (e.g. the share exchange with KPN) acquired to reduce the number of shares in circulation (by redeeming the shares acquired), thereby boosting earnings per share, the delivery of treasury shares in exchange for the acquisition of a stake in another company (such as the agreement with Prosegur Compañía de Seguridad, S.A.).

Treasury share transactions will not be performed in any event based on privileged information or in order to intervene in free price formation. In particular, any of the conduct referred to in Articles 83.ter.1 of the Spanish Securities Market Law and 2 of Royal Decree 1333/2005 of November 11 implementing the Spanish Securities Market Law, with regards to market abuse will be avoided.

For more information see Note 17.h) "Treasury share instruments" of the Consolidated Annual Accounts for the year ended December 31, 2021.

6.3. Events after the reporting period

Information concerning events after the reporting period is provided in Note 31 of the Consolidated Annual Accounts for the year ended December 31, 2021.

6.4. Average payment period of the Spanish companies

Information concerning average payment period of the Spanish companies is provided in Note 22, "Information on average payment period to suppliers. Third additional provision, "Information requirement" of Law 15/2010 of July 5." of the Consolidated Annual Accounts for the year ended December 31, 2021.

6.5. Glossary of terms

Below are definitions of certain technical terms used in this Annual Report:

"5G", is a technology succeeding the mobile technology called 4G. The aim is to make the navigation experience and Internet downloads more agile.

"Access" refers to a connection to any of the telecommunications services offered by Telefónica. A single fixed customer may contract for multiple services, and Telefónica believes that it is more useful to count the number of accesses a customer has contracted for, rather than to merely count the number of its customers. For example, a customer that has fixed line telephony service and broadband service is counted as two accesses rather than as one customer.

"ARPU" is total mobile service revenues during the relevant period divided by the average number of retail accesses (based on the beginning and the month-end number of retail accesses during such period), divided by the number of months in such period.

"Artificial Intelligence" is intelligent tasks carried out by machines.

"AWS" or Amazon Web Services refers to Amazon's service platform offering data base storage, content delivery and other functionalities that can help a business to grow. It is also more secure than a physical server.

"B2B" or business to business is the business segment.

"B2C" or business to customer is the residential segment.

"Bundle" refers to a combination of products that combine fixed services (wirelines, broadband and television) and mobile services.

"CATV" or community antenna television is a system of delivering television programming to consumers via radio frequency (RF) signals transmitted through coaxial cables, or in more recent systems, via light pulses through fibre-optic cables.

"Churn" is the percentage of disconnections over the average customer base in a given period.

"Cloud computing" is a service, whereby shared resources, software and information are provided to computers and other devices as a utility over a network (typically, the Internet).

"Cloud Phone" is an application that allows the transfer of files between two smartphones in a simple way.

"Commercial activity" includes the addition of new lines, replacement of handsets, migrations and disconnections.

"Connected car" is a vehicle equipped with Internet access and generally through a local wireless network or satellite.

"Convergent" refers to the offer of a fixed service together with a mobile service.

"Data ARPU" is data revenues during the relevant period divided by the average number of retail accesses (based on the beginning and the month-end number of retail accesses during such period), divided by the number of months in such period.

"Data revenues" include revenues from mobile data services such as mobile connectivity and mobile Internet, premium messaging, downloading ringtones and logos, mobile mail and SMS/MMS.

"Data traffic" includes all traffic from Internet access, messaging (SMS, MMS) and connectivity services over Telefónica's network.

"DTH (Direct-To-Home)" is a technology used for the provision of TV services.

"Fixed telephony accesses" includes public switched telephone network (PSTN) lines (including public use telephony), integrated services digital network (ISDN) lines and circuits, "fixed wireless" and Voice over IP accesses.

"FTRs" or Fixed termination rates is an established fixed network tariff that applies when a customer makes a call to someone in a network operated by another operator.

"FTTH" or Fibre to Home is the installation and use of optical fibre from a central point directly to individual buildings such as apartment buildings and businesses to provide high-speed Internet access.

"FTTx" is a generic term for any broadband network architecture that uses optical fibre to replace all or part of the metal local loop.

"GHz" means gigahertz.

"ICT" or information communication technology is the acquisition, processing, storage and dissemination of vocal, pictorial, textual and numerical information by a microelectronics-based combination of computing and telecommunications.

"Interconnection revenues" means revenues received from other operators which use Telefónica's networks to connect to or finish their calls and SMS or to connect to their customers.

"Internet and data accesses", "Fixed broadband accesses" or "FBB accesses" include broadband accesses (including retail asymmetrical digital subscriber line (ADSL), very high bit-rate digital subscriber line (VDSL), satellite, fibre optic and circuits over 2 Mbps), narrowband accesses (Internet service through the PSTN lines) and the remaining non-broadband final customer circuits. Internet and data accesses also include "Naked ADSL", which allows customers to subscribe for a broadband connection without a monthly fixed line fee.

"IoT" or Internet of Things refers to technologies that allow both mobile and wired systems to communicate with other devices with the same capability.

"IPTV" or Internet Protocol Television refers to distribution systems for television subscription signals or video using broadband connections over the IP protocol.

"ISDN" or Integrated Services Digital Network is a format commonly used for transmitting information through a digital high speed connection.

"Local loop" means the physical circuit connecting the network termination point at the subscriber's premises to the main distribution frame or equivalent facility in the fixed public telephone network.

"LTE" or Long-Term Evolution is a 4G mobile access technology.

"Market share" is the percentage ratio of the number of final accesses over the existing total market in an operating area.

"Mb" means Megabytes.

"MHz" means megahertz.

"MMS" or Multimedia Messaging Service is a standard messaging system allowing mobile phones to send and receive multimedia content, including sound, video and photos.

"Mobile accesses" include accesses to the mobile network for voice and/or data services (including connectivity). Mobile accesses are categorized into contract, prepay and IoT accesses.

"Mobile broadband" includes Mobile Internet (Internet access from devices also used to make voice calls such as smartphones), and Mobile Connectivity (Internet access from devices that complement fixed broadband, such as PC Cards/dongles, which enable large amounts of data to be downloaded on the move).

"MTR" or mobile termination rate is an established mobile network tariff that applies when a customer makes a call to someone in a network operated by another operator.

"MVNO" or mobile virtual network operator is a mobile operator that provides mobile services through another mobile operator. An MVNO pays a determined tariff to such mobile network operator for using the infrastructure to facilitate coverage to its customers.

"Net adds/Net loss" is the difference between the customer base in a certain period compared to a different period.

"OTT services" or over the top services means services provided through the Internet (such as television and video streaming).

"Pay TV" includes cable TV, direct to home satellite TV (DTH) and IPTV.

"PSTN" is Public Switched Telephone Network.

"p.p." means percentage points.

"Revenues" means net sales and revenues from rendering of services.

"Service revenues" are total revenues minus mobile handset sales. Service revenues are mainly related to telecommunication services, especially voice- and data revenues (SMS and data traffic download and upload revenues) consumed by Telefónica's customers.

"SIM" means subscriber identity module, a removable intelligent card used in mobile handsets, USB modems, etc. to identify the user in the network.

"Smart Wi-Fi" is an application in which users can control their Wi-Fi network and the devices connected to it from their mobile.

"SMS" means short messaging service.

"STB (Set-top box)" is a device that converts a digital television signal to analogue for viewing on a conventional set, or that enables cable or satellite television to be viewed.

"Tbps" means terabytes per second.

"Tracker" is a special server which contains the information needed for users to connect with other users.

"UBB" or **Ultra Broadband** is the fibre-to-the-premise broadband which is capable of giving a minimum download speed of 100 Mbps and a minimum upload speed of 50 Mbps.

"Voice traffic" means voice minutes used by Telefónica's customers over a given period, both outbound and inbound.

"VoIP" means voice over Internet protocol.

"VPN" or Virtual Private Network extends a private network across a public network and enables users to send and receive data across shared or public network.

"Wholesale accesses" means accesses Telefónica provides to other companies, who then sell services over such accesses to their residential and corporate clients.

"YoY" or "y-o-y" means year-on-year.



Telefónica, S.A.

Independent reasonable assurance report
on the design and effectiveness of the
internal control over financial reporting (ICFR)



This version of our report is a free translation of the original, which was prepared in Spanish. All possible care has been taken to ensure that the translation is an accurate representation of the original. However, in all matters of interpretation of information, views or opinions, the original language version of our report takes precedence over this translation.

Independent reasonable assurance report on the design and effectiveness of the internal control over financial reporting (ICFR)

To the Board of Directors of Telefónica, S.A.:

We have carried out a reasonable assurance report of the design and effectiveness of the Internal Control over Financial Reporting (hereinafter, ICFR) and the description of it that is included in the attached Report that forms part of the corresponding section of the Annual Corporate Governance Report of the Directors Report accompanying the consolidated financial statements of Telefónica, S.A., and its subsidiaries (hereinafter, the Telefónica Group) as at December 31, 2021. This system is based on the criteria and policies defined by the Telefónica Group in accordance with the guidelines established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in its "Internal Control-Integrated Framework" report.

An Internal Control over Financial Reporting is a process designed to provide reasonable assurance over the reliability of financial information in accordance with the applicable financial reporting framework and includes those policies and procedures that: (i) enable the records reflecting the transactions performed to be kept accurately and with a reasonable level of detail; (ii) provide reasonable assurance as to the proper recognition of transactions to make it possible to prepare the financial information in accordance with the accounting principles and standards applicable to it and that they are made only in accordance with established authorizations; and (iii) provide reasonable assurance in relation to the prevention or timely detection of unauthorised acquisitions, use or sales of the Group's assets that could have material effect on the financial information.

Inherent Limitations

In this regard, it should be borne in mind that, given the inherent limitations of any Internal Control over Financial Reporting, regardless of the quality of the design and operation of the system, it can only allow reasonable, but not absolute security, in relation to the objectives it pursues, which may lead to errors, irregularities or fraud that may not be detected. On the other hand, the projection to future periods of the evaluation of internal control is subject to risks such that said internal control being inadequate as a result of future changes in the applicable conditions, or that in the future the level of compliance of the established policies or procedures may be reduced.

Director's responsibility

The Directors of Telefónica, S.A. are responsible for taking the necessary measures to reasonably ensure the implementation, maintenance and supervision of an appropriate Internal Control over Financial Reporting, as well as the evaluation of its effectiveness, the development of improvements to that system and the preparation and establishment of the content of the information relating to the ICFR attached.



Our Responsibility

Our responsibility is to issue a reasonable assurance report on the design and effectiveness of the Telefónica Group Internal Control over Financial Reporting, based on the work we have performed and on the evidence we have obtained. We have performed our reasonable assurance engagement in accordance with "International Standard on Assurance Engagements 3000 (ISAE 3000)" (Revised), "Assurance Engagements other than Auditing or Reviews of Historical Financial Information", issued by the International Auditing and Assurance Standards Board (IAASB) of the International Federation of Accountants (IFAC).

A reasonable assurance report includes the understanding of the Internal Control over Financial Reporting, assessing the risk of material weaknesses in the internal control, that the controls are not properly designed or they do not operate effectively, the execution of tests and evaluations on the design and effective implementation of this ICFR, based on our professional judgment, and the performance of such other procedures as may be deemed necessary.

We believe that the evidence we have obtained provides a sufficient and adequate basis for our opinion.

Our Independence and Quality Control

We have complied with the independence requirements and other ethical requirements of the Accounting Professionals Code of Ethics issued by the International Ethics Standards Board for Accountants (IESBA), which is based on the fundamental principles of integrity, objectivity, professional competence and diligence, confidentiality and professional behaviour.

Our firm applies the "International Standard on Quality Control 1 (ISQC 1)" and maintains an exhaustive qualitative control system that includes documented policies and procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory provisions.

Opinion

In our opinion, the Telefónica Group maintained, as at December 31, 2021, in all material respects, an effective Internal Control over Financial Reporting for the period ended at December 31, 2021, which is based on the criteria and the policies defined by the Telefónica Group's management in accordance with the guidelines established by the Committee of Sponsoring Organizations of the Treadway Commission (COSO) in its "Internal Control-Integrated Framework" report.

In addition, the attached description of the ICFR Report as at December 31, 2021 has been prepared, in all material respects, in accordance with the requirements established by article 540 of the Consolidated Text of the Capital Companies Act and with the Circular 5/2013 of June 12, 2013 of the CNMV, the most recent being Circular 3/2021 of September 28, for purposes of the description of the ICFR requirements in the Annual Corporate Governance Reports.

This work does not constitute an audit nor is it subject to the regulations governing the audit activity in force in Spain, so we do not express any audit opinion in the terms provided in the aforementioned regulations.

PricewaterhouseCoopers Auditores, S.L.

A handwritten signature in blue ink, appearing to read "Virginia Arce Peralta". The signature is fluid and cursive, with some loops and variations in line thickness.

Virginia Arce Peralta

February 25, 2022