

# Digitalisation: An opportunity for everyone

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UNIVERSITAT  
POLITÈCNICA  
DE VALÈNCIA



# Outline

## UPV Partner information

- Valencian Community
- Universitat Politècnica de València
- UPV data

## Unemployment in Spain

- Main data
- Unemployed people by age
- NEETS in EUROPE
- Problem to be tackled

## Digitalisation

- Definition
- EU vision
- The future of industry is digital

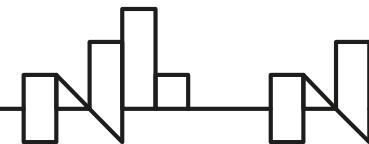
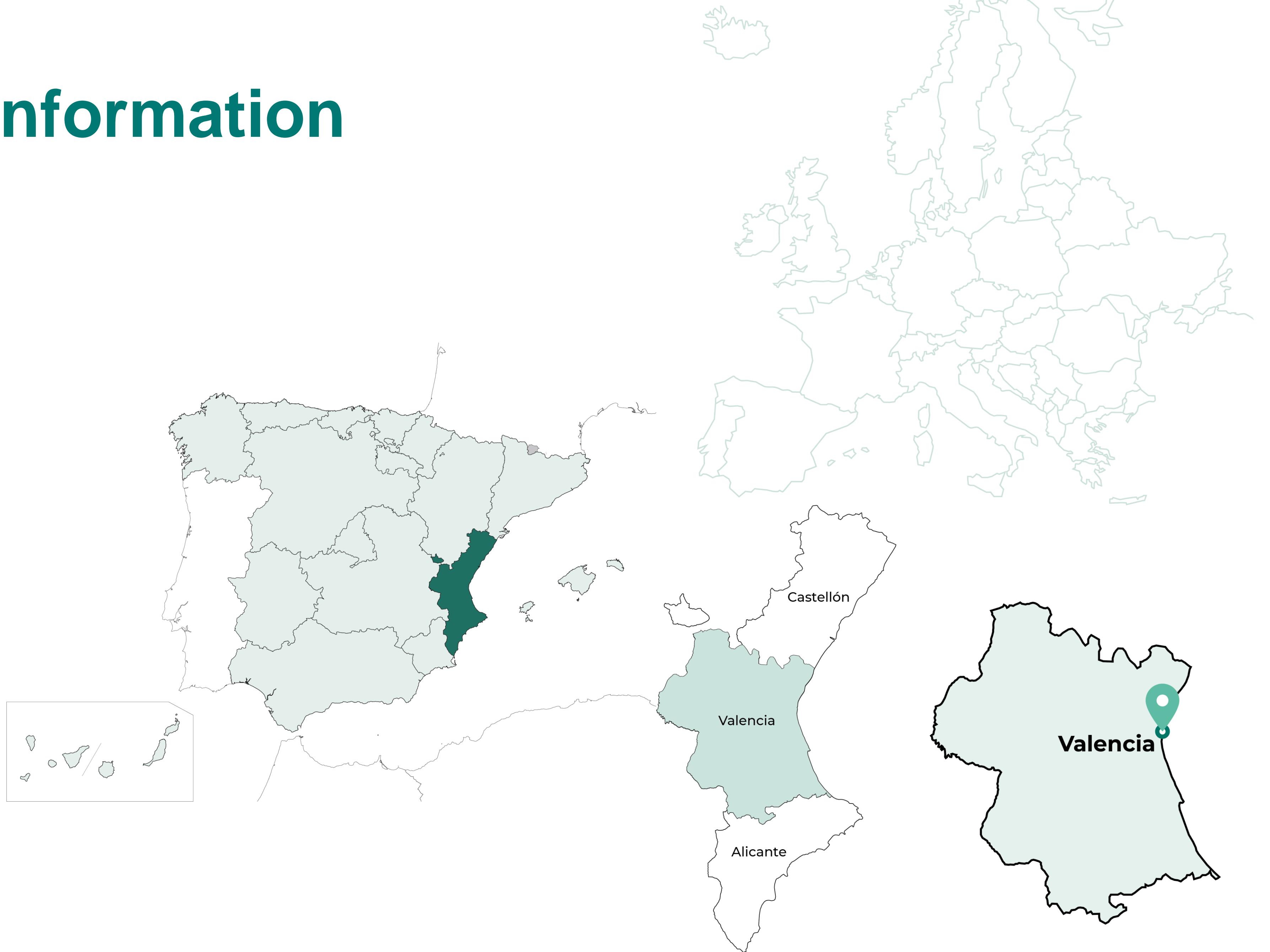
EDIBO



# UPV Partner Information

## Valencian Community

- Spain is grouped in autonomous communities.
- There are 17 autonomous communities and two autonomous cities that are collectively known as "autonomies".
- Castellón, Alicante and Valencia conform the Valencian autonomy known as Valencian Community.
- Valencia city.



# UPV Partner Information

Universitat Politècnica de València (UPV)



UNIVERSITAT  
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DE VALÈNCIA



## Academic course 2016-2017

### Students

- 21 106 in Bachelors
- 249 in Double Bachelors
- 3 777 in Masters
- 2 344 Ph.D. programs
- 2 841 in other studies

30 317 students in total

7 421 freshmen students

### Degrees

- 36 Bachelors
- 5 Double Bachelors
- 73 Masters
- 30 Ph. D. Programs

### 9 Higher Technical schools

- HTS of Architecture
- HTS of Agronomic Engineering
- HTS of Building Engineering
- HTS of Geodesic, Cartography and Topography engineering
- HTS of Informatics Engineering
- HTS of Civil Engineering
- HTS of Industrial Engineers
- HTS of Telecommunications Engineers

### 2 Faculties

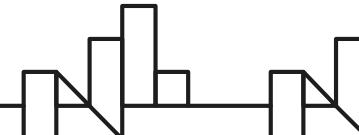
- Faculty of Administration and Business Management
- Faculty of Fine Arts

### Staff

- 2 614 Professors and research personnel
- 1 466 Administrative and services

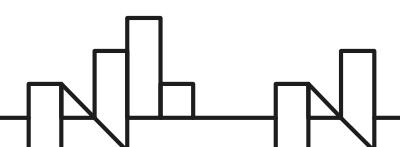
### Research organization

- 42 University Departments
- 18 University Institutes
- 26 Research structures



# UPV Partner Information

Members of EDIBO Project



# Unemployment in Spain

## Main data

Spanish total Population (2017): **46.57** millions

Unemployment rate: **14.6%**

Labour Force Survey (*EPA, Encuesta Población Activa*): **38.91** millions

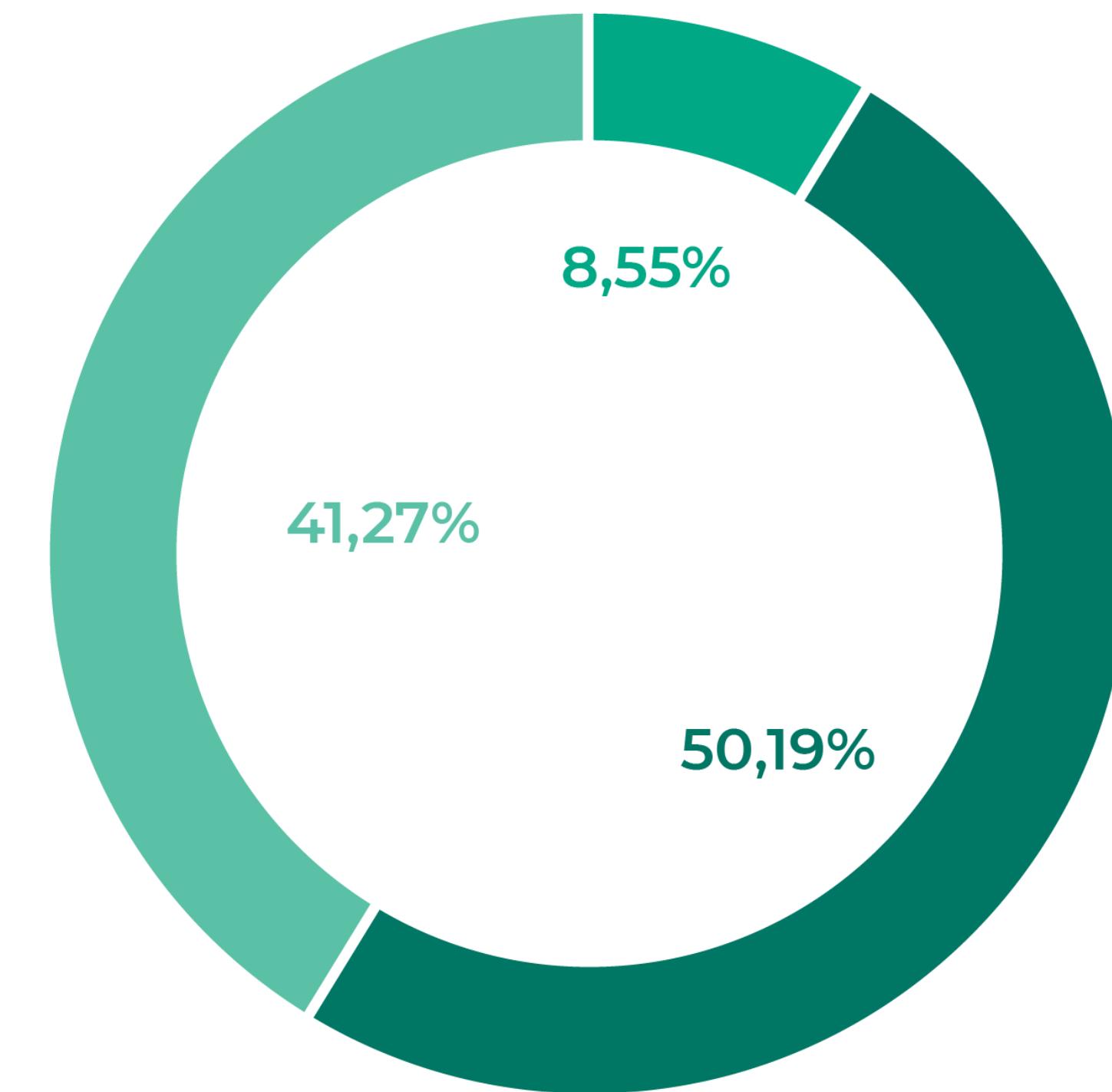
Unemployed people according to EPA  
during the **3<sup>rd</sup> trimester 2018**

Unemployed: **3 326** Millions (8.55%)

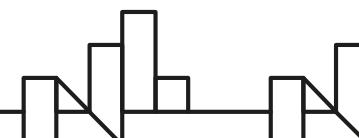
Employed: **19 528** Millions (50.19%)

Inactive: **16 058** Millions (41.27%)

## Economically active population

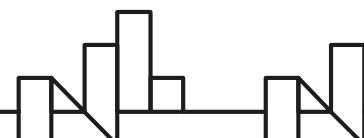
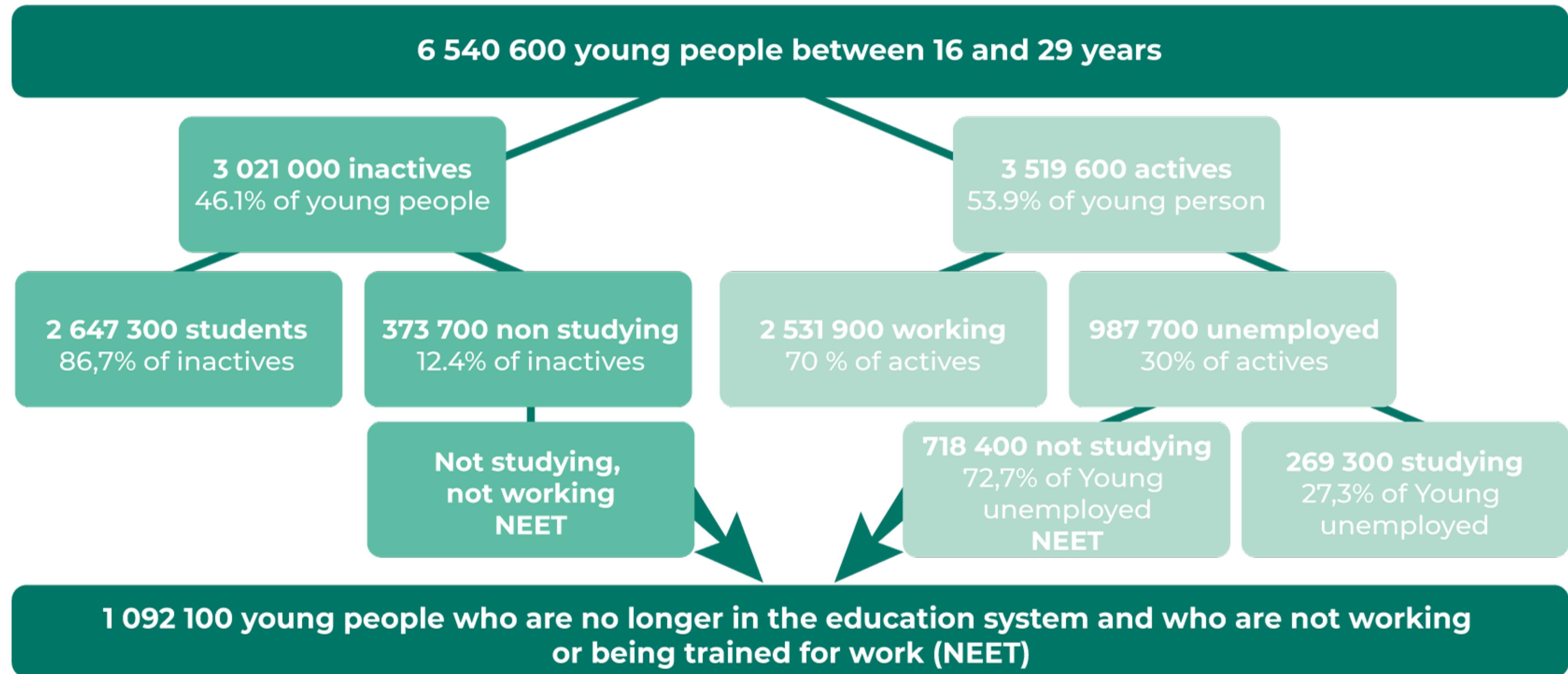


■ Unemployed ■ Employed ■ Inactive



# Unemployment in Spain

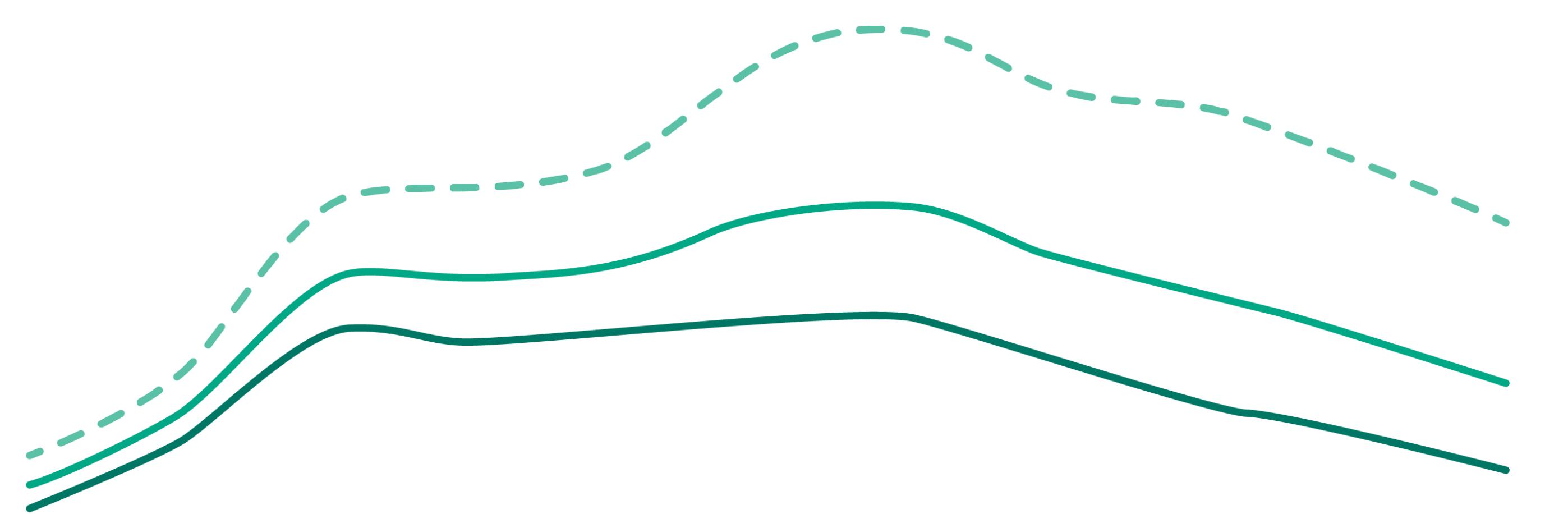
Unemployed people by age



# Unemployment in Spain

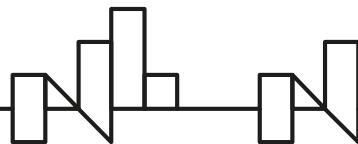
## NEETS in EUROPE

The number of young people who is no longer in the education system and who are not working or being trained for work (NEET) is higher in the range of age from 25 to 29 years.



	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
15-24	12,0	14,3	18,1	17,8	18,2	18,6	18,6	17,1	15,6	14,6	13,3
15-29	12,8	15,3	19,9	20,0	20,6	22,2	22,5	20,7	19,4	18,1	16,4
25-29	13,8	16,7	22,5	23,2	24,2	27,8	28,7	26,7	26,0	24,2	22,1

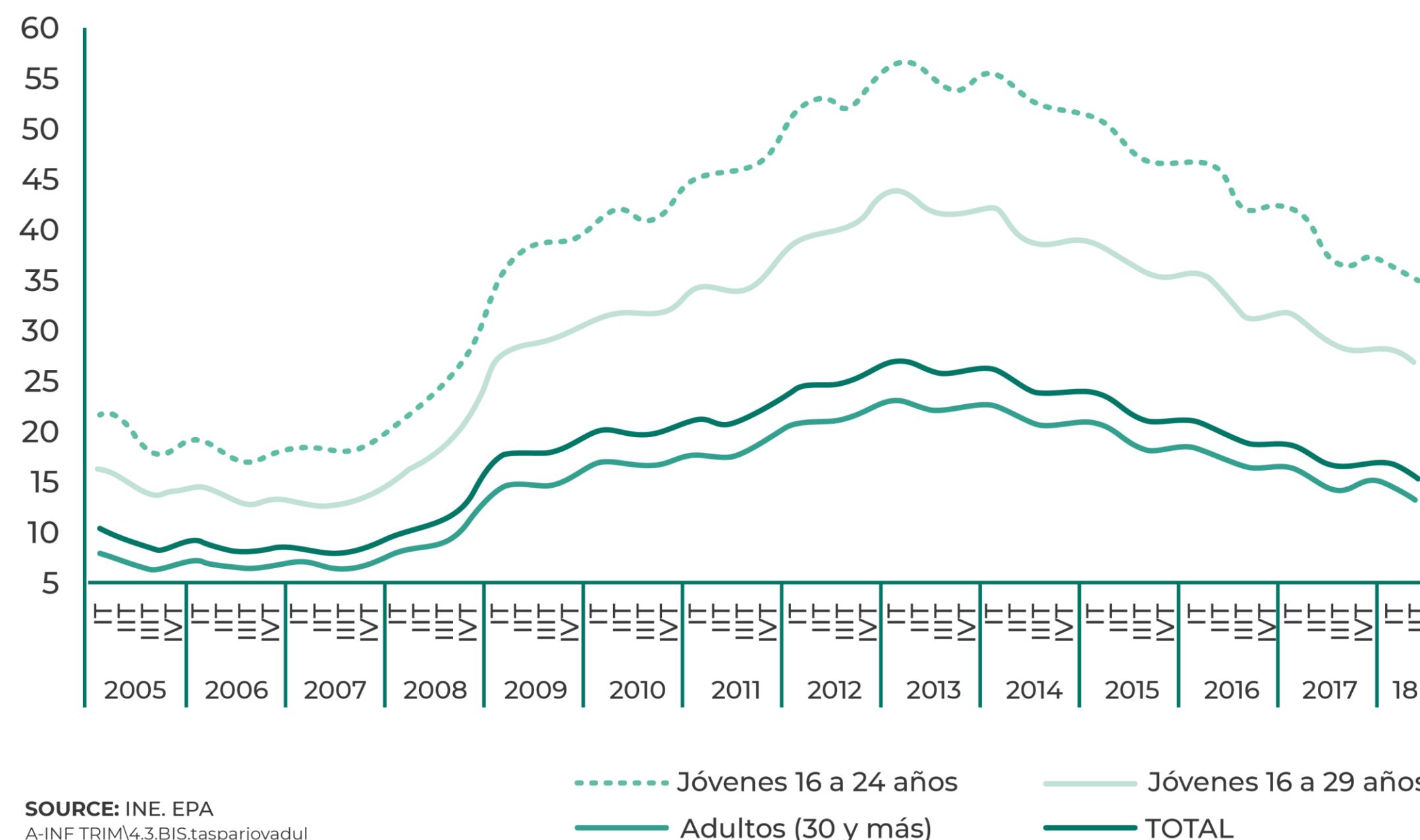
Source: EUROSTAT



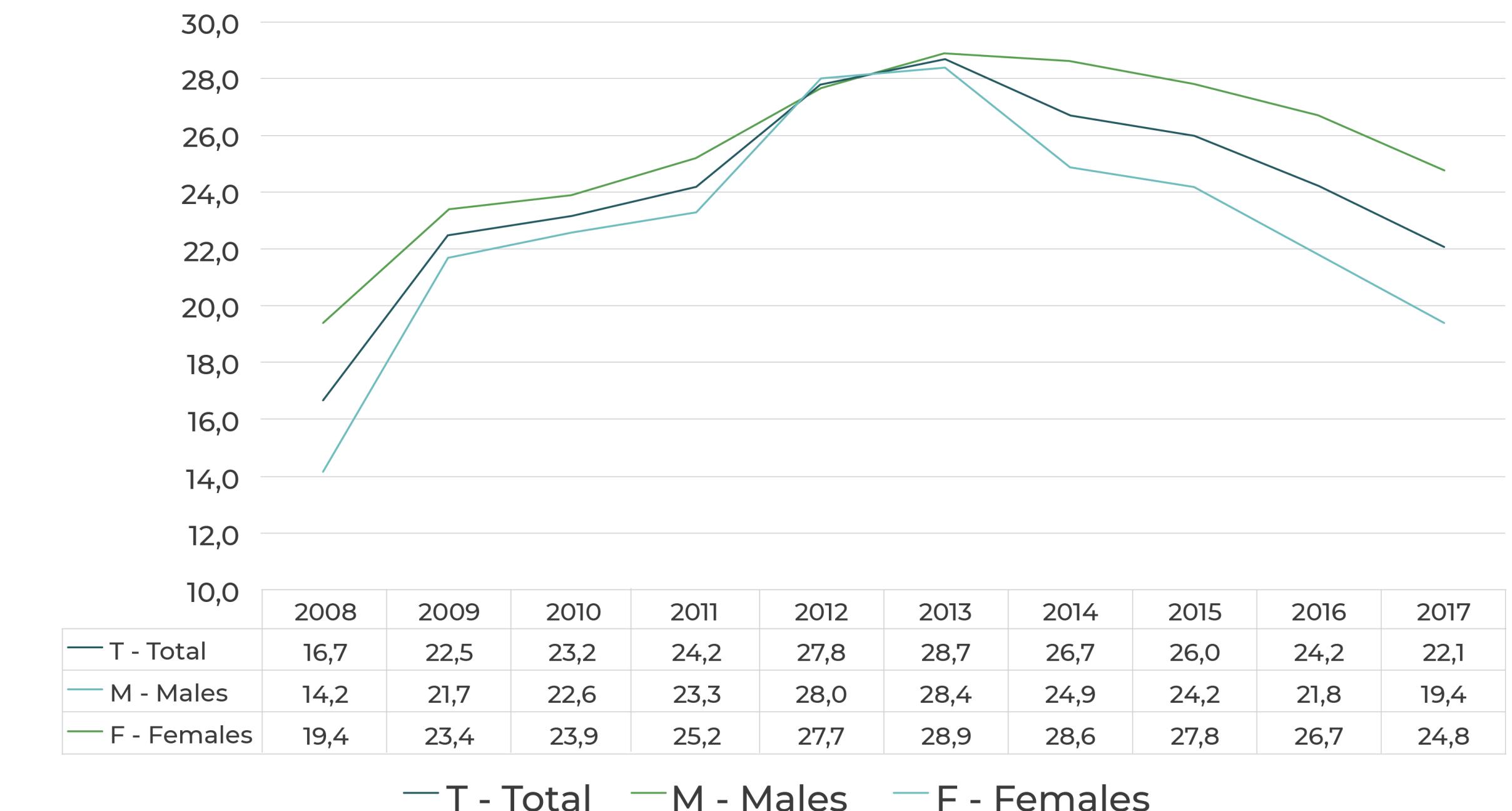
# Unemployment in Spain

NEETS in Spain

Unemployment in Spain by age



NEETS in Spain by sex (25-29 years)



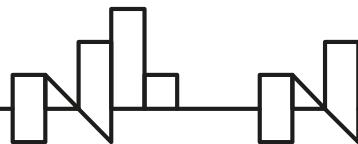
# Problem

World Health Organization: **unemployment** is the biggest epidemiological catastrophe for many societies and one of the **main factors of social marginalization**.

It is welcome, **any training intervention** aimed at **reinforcing the skills, abilities and strengths of people** in situations of **unemployment** will facilitate their **re-entry, or access to the labor market**.



Source: Photos by rawpixel.com from Pexels.



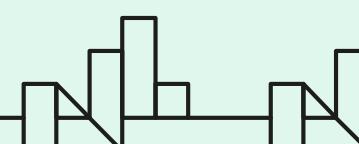
# Digitalisation

## Definition

- **Digitisation<sup>1</sup>** is the automation of existing manual and paper-based processes, enabled by the digitisation of information; from an analog to a digital format.
- **Digitalisation<sup>1</sup>** (in business): refers to enabling, improving and/or transforming business operations and/or business functions and/or business models/processes and/or activities, by leveraging digital technologies and a broader use and context of digitized data, turned into actionable, knowledge, with a specific benefit in mind.



Source<sup>1</sup>: [https://www.i-scoop.eu/digitization-digitalization-digital-transformation-disruption/#What\\_is\\_digitalization](https://www.i-scoop.eu/digitization-digitalization-digital-transformation-disruption/#What_is_digitalization)



# Digitalisation

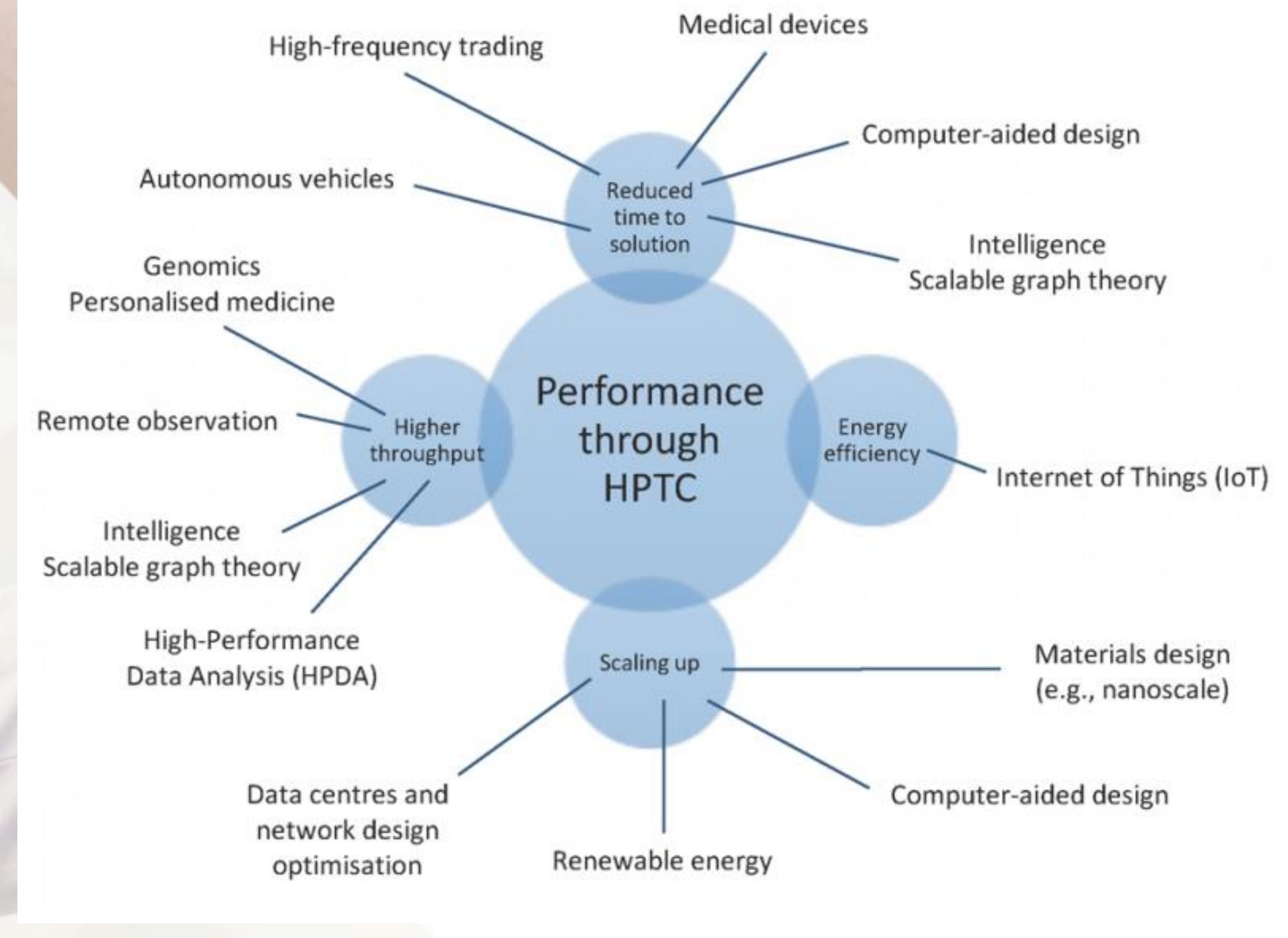
EU vision



“Progress in technologies: big data, artificial intelligence, robotics, the Internet of Things and high performance computing is already transforming the very nature of work and society as a whole.”

Commissioner Elżbieta Bieńkowska<sup>1</sup>

## High Performance Technical Computing



<sup>1</sup>Digital Transformation Scoreboard 2018. EU businesses go digital: Opportunities, outcomes and uptake.

<https://ec.europa.eu/growth/tools-databases/dem/monitor/>

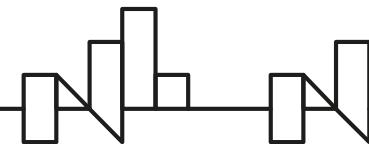
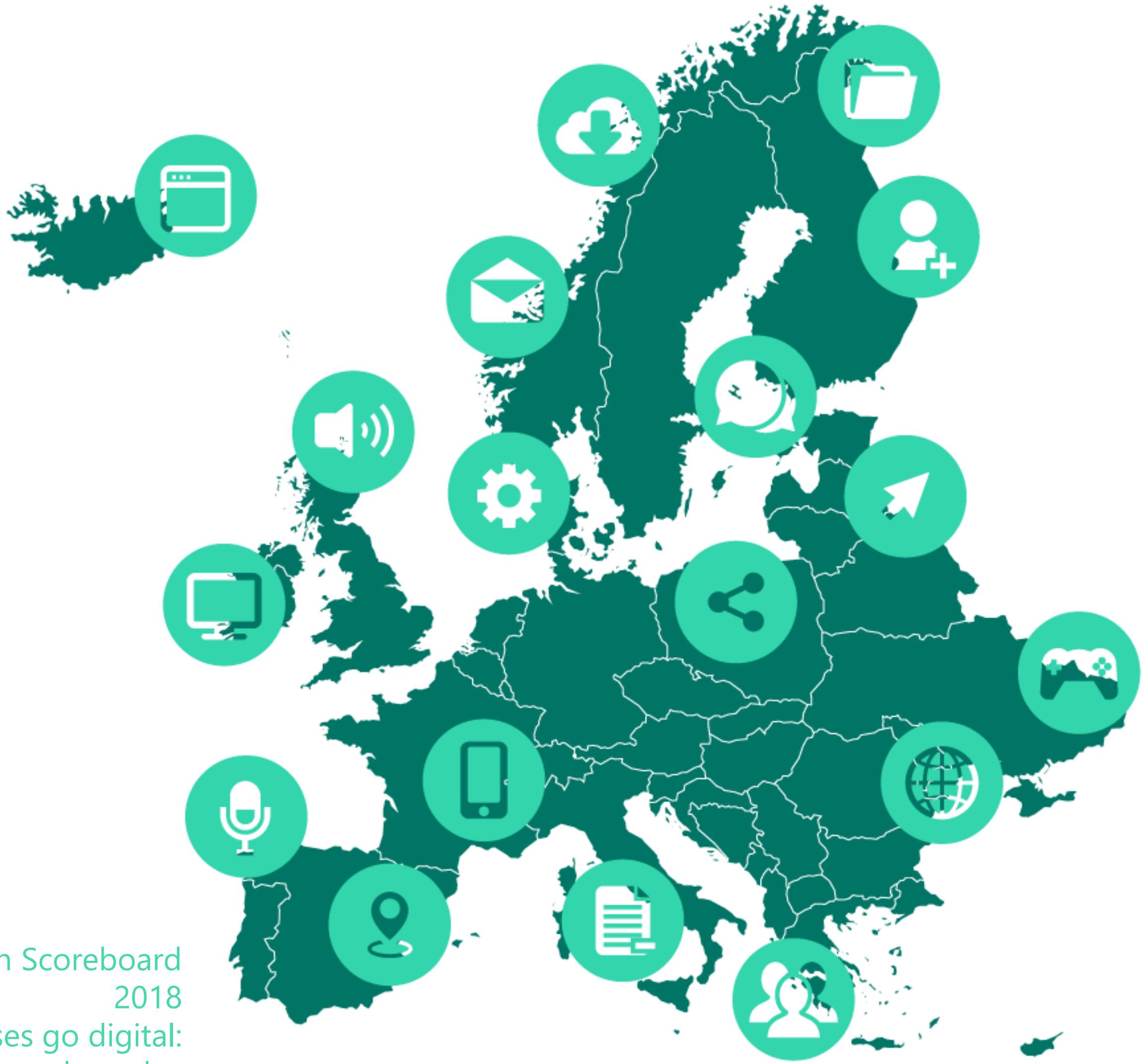
<sup>2</sup>Source: <https://www.ichec.ie/news/press-corner/about-high-performance-computing-hpc>

<sup>3</sup>Source: Photo by rawpixel.com from Pexels

# Digitalisation

The future of industry is digital

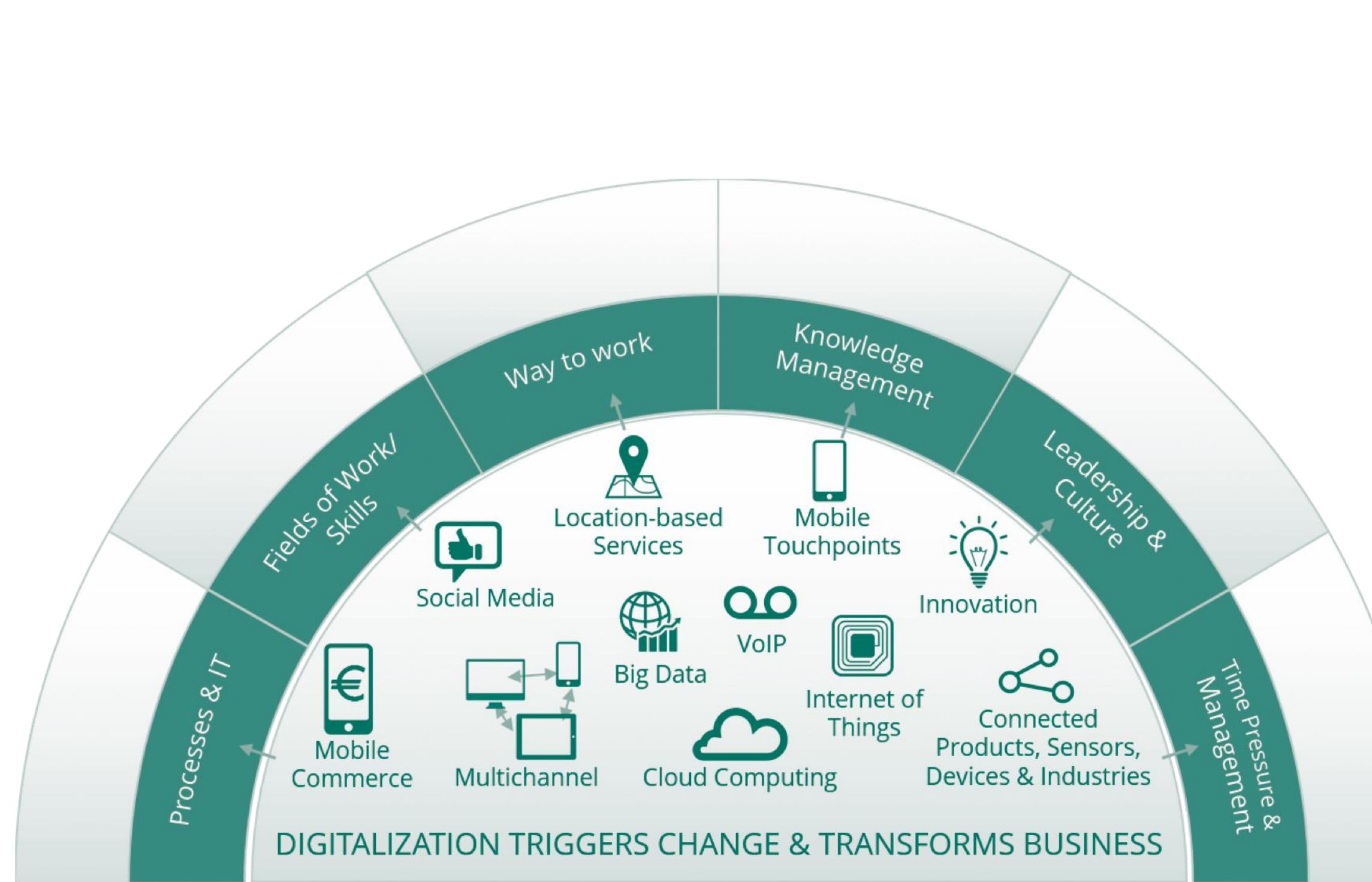
- The Digitising European Industry strategy, adopted in April 2016, aims at reinforcing the EU's competitiveness in digital technologies and ensuring that any industry in Europe - big or small, wherever situated and in any sector - can fully benefit from digital innovations.
- It builds upon ongoing national initiatives for digitisation of industry.



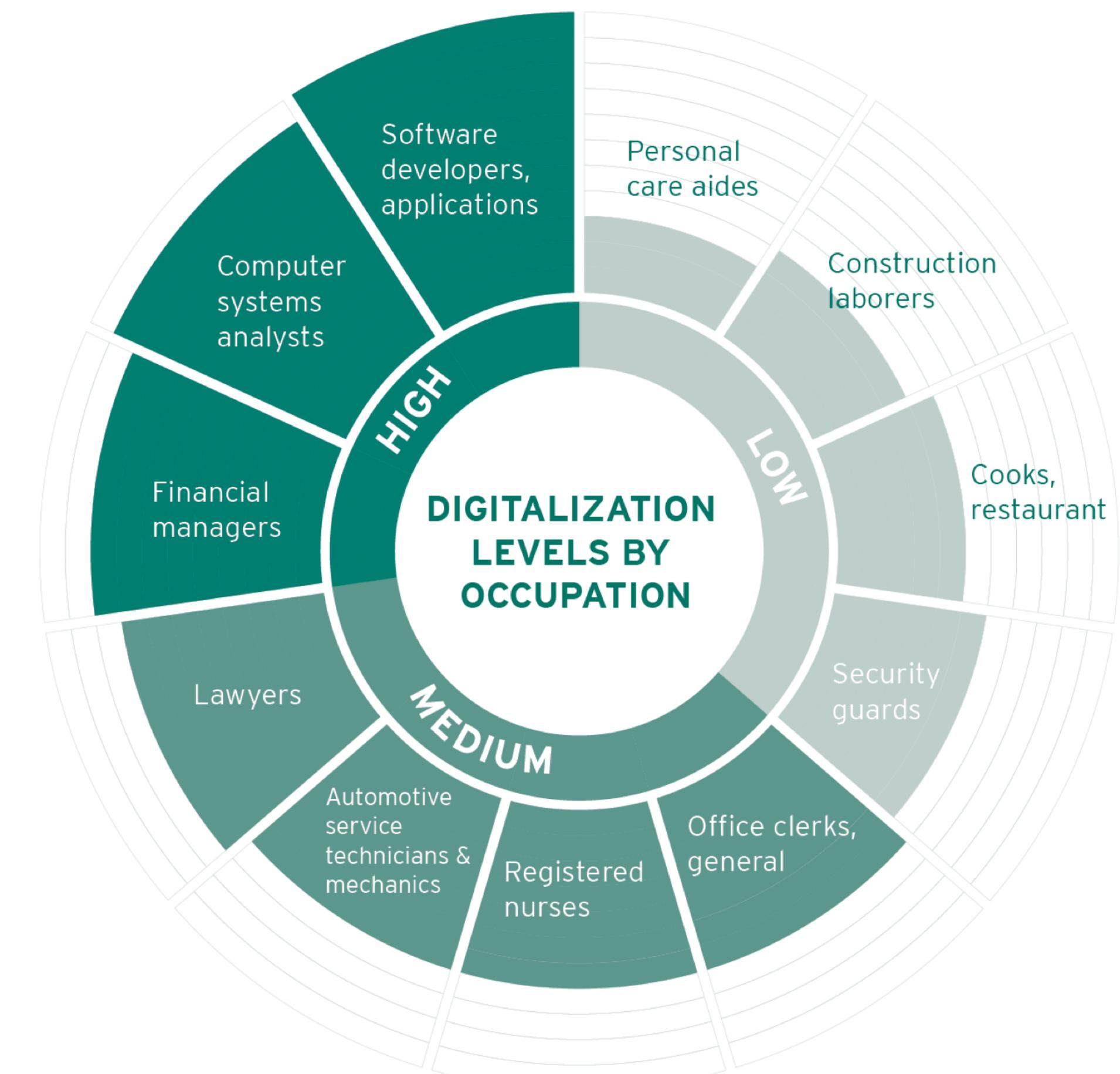
# Digitalisation

## Opportunities

Digital transformation is no longer a choice<sup>1</sup>

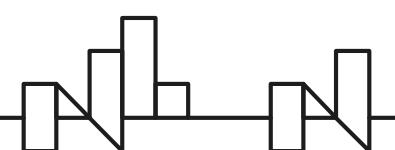


Digitalisation is disrupting the American workforce, but in vastly uneven ways<sup>2</sup>



<sup>1</sup> Source: <https://medium.com/cioreviewindia/digital-transformation-is-no-longer-a-choice-its-a-new-way-of-doing-business-ed21e8b052d6>

<sup>2</sup> Source: <http://www.thenextsiliconvalley.com/2017/11/20/8461-digitalization-is-disrupting-the-american-workforce-but-in-vastly-uneven-ways/>



# European DIGITAL BOOTCAMPS project (EDIBO)

## Proposal

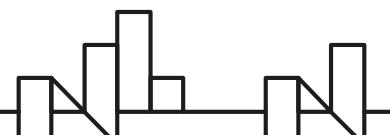
The European DIGITAL BOOTCAMPS project (EDIBO) will address the dramatic problem of youth unemployment by strengthening the digital skills of young people under the age of 30 who are not studying or working, with a special focus on young people aged 25-29 from disadvantaged groups (low-income, women, migrants, youngsters from rural areas).

The project started the **1<sup>st</sup> October 2018**.

**Duration:** 36 months.

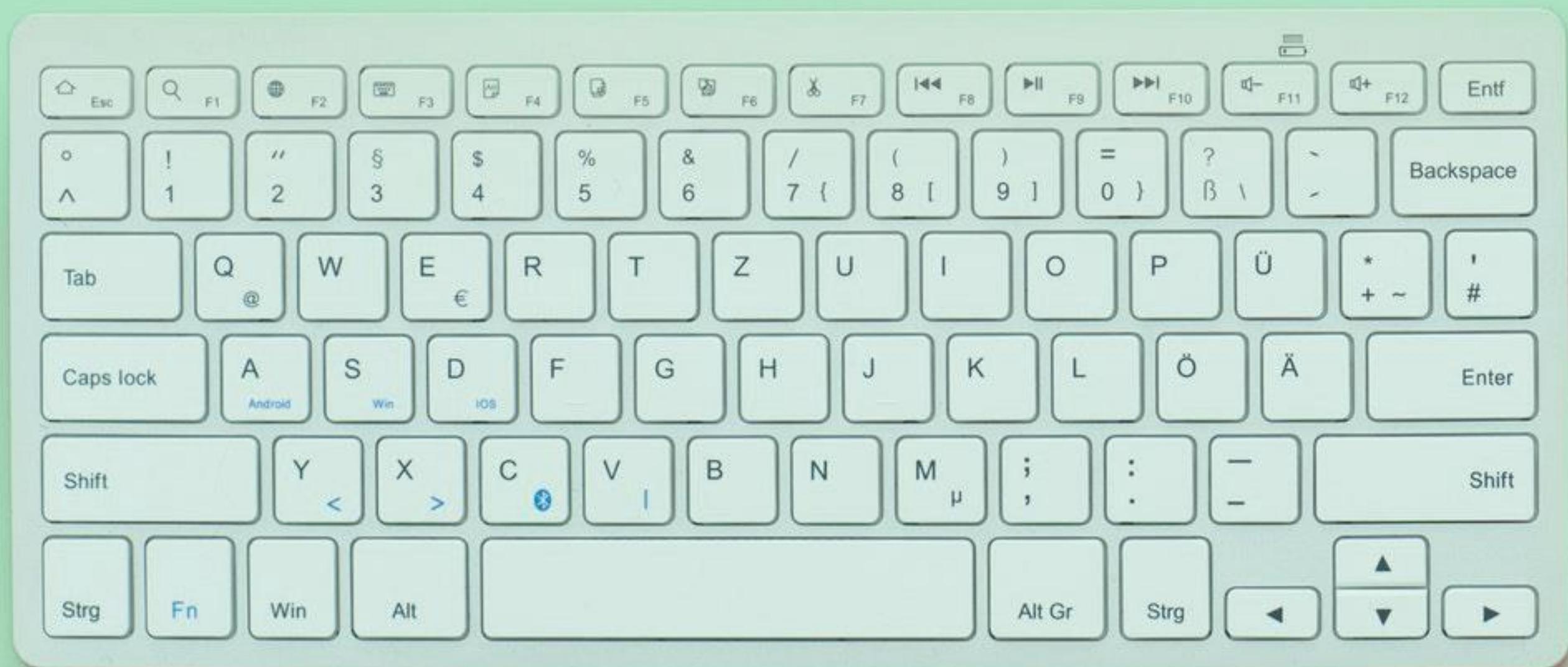


Source: freepik.com



## Aims

- Promote the hiring of young people.
- Join to existing networks.
- Ask Small And Medium Enterprises (SMEs) what are their needs (related with IT technologies).
- Obtaining the skills and abilities of people who wish to participate in the EDIBO Project.
- Preparing formative plans connecting enterprises necessities with candidates skills.
- Teaching participants.
- Assessing skills and abilities of participants.
- Develop a business model in order to maintain the bootcamp.



# European DIGITAL BOOTCAMPS project (EDIBO)

UPV responsibilities



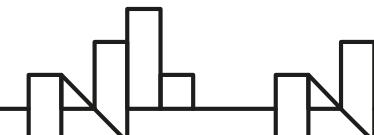
- **Developing the project website.**
- **Launch video production.**
- **Exchange of best practices** with the other partners.
- **Analysis of needs** of the target groups involved in the project.
- **Coordinating the digital training class,** **organizing** the classes and **monitoring** the education contents and results.
- **Looking for local companies** to be involved in the project.
- **Evaluation, monitoring and implementation** activities.
- Seminar and **other communication activities** to disseminate **the project results**.
- Post bootcamp mentoring and assistance to the trainees.



# European DIGITAL BOOTCAMPS project (EDIBO)

## UPV actions

- ✓ Meetings with the Chamber of Commerce.
- ✓ Participation in Workshops
  - Industry 4.0
- ✓ Be part of Provincial Authority of Valencia “**Young talent network**”
  - The Young talent network was born with the aim of serving as a channel of communication, collaboration and cooperation between different entities and public and private organizations to give greater visibility to the actions that jointly or individually are being made or planned in the future in terms of management, retention and promotion of young Valencian talent.
- ✓ Collaborate with the Integrated Employment Service of the UPV.
- ✓ Collaborate with the Valencian occupation and training service (LABORA Servef).
- ✓ Collaborate with NGOs.



# European DIGITAL BOOTCAMPS project (EDIBO)

UPV

Building bridges between NEETS and the labour market

