Annotation Guidelines SDG Classification

1 Introduction

The Sustainable Development Goals (SDGs) are 17 interconnected goals that were developed by the United Nations and published in 2015. The intention of the SDGs is to define the areas that are of importance for sustainable development. The SDGs are 17 very broad goals by design. In Table 1 they are listed with a short description. To make the goals more concrete target points were added to each goal. For this task only a global understanding of the goals is required. In Appendix A a complete overview of the SDGs and their targets is given. It is advised that you read these carefully to get a better understanding of what each goal entails.

The goal of this annotation task is to select all SDGs that are relevant to short fragments of texts. For each question in the task the text fragment is provided with a list of SDGs to choose from. The task is sent to you through a Google Form and consists of 50 questions. It takes approximately an hour to complete the task.

2 Guidelines

The intention is to keep the annotation task as simple as possible. These guidelines are important to keep in mind while annotating:

- It is advised to keep these annotation guidelines with you during the task to look up the SDGs.
- The text of each question stands on its own and is not connected to the texts of other questions.
- From the listed SDGs, you can select multiple if you think that they are applicable to the text. It is also possible that none of the provided options are applicable, in which case you should select the 'None of the options above' answer.
- Base your answer purely on the text. It can be tempting to connect subjects of the text with your own experiences or knowledge. For example, if a text mentions the generation of energy by building wind turbines, there are lots of other things that are affected by such a project. Wind turbines can have a significant impact on the lives of people or animals surrounding it. But as long as these effects are not mentioned explicitly, you should not take these into account.
- If an organisation or project is mentioned that you are unfamiliar with, try to deduce its meaning from the text. You are *not* supposed to look up information online.
- Since the SDGs are so broadly formulated, it can be difficult to decide whether or not a text is relevant for a certain SDG. In this case, you can choose for yourself what is the best options, as there are no right or wrong answers.
- The SDGs can also be applicable in a negative way. SDG 15: Life on land is not only relevant to projects that prevent deforestation, but also projects that enable deforestation for example.

1 NO POVERTY	End poverty in all its forms everywhere	10 REDUCED INEQUALITIES	Reduce inequality within and among countries
2 ZERO HUNGER	End hunger, achieve food security and improved nutrition and pro- mote sustainable agriculture	11 SUSTAINABLE CITIES AND COMMUNITIES	Make cities and human settlements inclusive, safe, resilient and sustainable
3 GOOD HEALTH AND WELL-BEING	Ensure healthy lives and promote well-being for all at all ages	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Ensure sustainable consumption and production patterns
4 QUALITY EDUCATION	Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	13 CLIMATE ACTION	Take urgent action to combat climate change and its impacts
5 GENDER EQUALITY	Achieve gender equality and empower all women and girls	14 LIFE BELOW WATER	Conserve and sustainably use the oceans, seas and marine resources for sustainable development
6 CLEAN WATER AND SANITATION	Ensure availability and sustainable management of water and sanitation for all	15 LIFE ON LAND	Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and re- verse land degradation and halt biodiversity loss
7 AFFORDABLE AND CLEAN ENERGY	Ensure access to affordable, reliable, sustainable and modern energy for all	PEACE, JUSTICE AND STRONG INSTITUTIONS	Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
8 DECENT WORK AND ECONOMIC GROWTH	Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all	17 PARTNERSHIPS FOR THE GOALS	Strengthen the means of implementation and revitalize the global partnership for sustainable development
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	2	

Table 1: The 17 SDGs with description.

3 Examples

3.1

"Farmers want to learn from the scientists," said Rosenzweig. "Showing them how they're collecting the data and what they're finding. There's a huge educational opportunity to transfer that knowledge from the scientists to the farmers and vice versa. The farmers are also seeing lots of things that scientists might not necessarily catch."
SDG 4 None of the options above

For this text you have to decide whether or not it is relevant to SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. In the text it is explained that farmers want to learn from scientists. However, it mentions no programs or initiatives that will allow them to do this. Based on this text, the right option would be to select **None of the options above**.

3.2

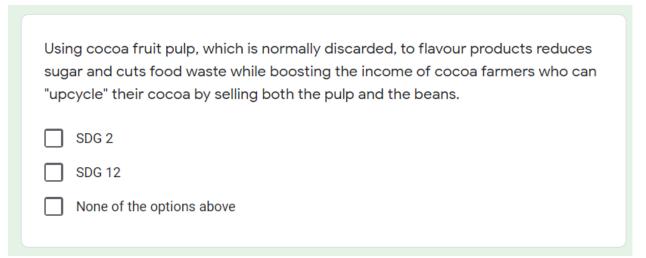
The new yogurt, called Ratio: Protein, follows the company's introduction of Ratio: Keto, which target consumers tracking their three macro nutrients: fat, protein and carbohydrates. It's a more "adult-focused" brand for wellness-minded consumers looking to replenish and build muscle following a hard workout or someone just looking to stave off hunger for longer, said Doug Martin, president of General Mills dairy unit.
SDG 2 None of the options above

This text introduces a new food product. Again there is one SDG to consider for this text: SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture. Although the text mentions that the product can be used to "stave off hunger", it is not meant in a way of structurally ending hunger or providing food security. It does mention nutritional value of the product, but it seems more like marketing talk than a solution for malnutrition. Again, None of the options above is the right choice here.

The COVID-19 pandemic has had a severe impact on people's livelihoods and access to basic services, such as health and education. We are working to help people in the communities where we work and community liaison officers have used online platforms to maintain relations with communities and continue social investment programmes during lockdowns and quarantines. *
□ SDG 1 □ SDG 3
SDG 4
None of the options above

For this example, there are three possibly relevant SDGs. SDG 1: No poverty does not seem relevant immediately, but looking at the targets, target 1.3: Apply social protection systems for the poor and the vulnerable actually is relevant. This text is clearly about the well-being of people, so also SDG 3: Good health and well-being is applicable here. Lastly, also SDG 4: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all is mentioned in the text. Therefore all the listed SDGs are relevant.

3.4



SDG 2: End hunger, achieve food security and improved nutrition and promote sustainable agriculture is relevant to this text, because a way of increasing productivity is mentioned. This is described in target 2.4: Establish sustainable food production systems; increase productivity, maintain ecosystems, strengthencapacity to adapt to climate change and other weather conditions and disasters. Also SDG 12: Responsible consumption and production is relevant, as targets 12.2, 12.3, 12.5, 12.a listed in Appendix A all apply to this

text.

4 Challenging Cases

4.1 Mentions of COVID-19

Mentions of COVID-19 are only relevant to SDG 3 (Good health and wellbeing) when its effect on health or wellbeing or prevention of pandemics or diseases in general are discussed. When the effects of the pandemic are discussed without this view, it is not relevant to SDG 3. The text below is therefore not relevant to SDG 3.

Since late 2019, Shell has wiped out over \$20 billion from the value of its oil and gas reserves after lowering the outlook for commodity prices because of the energy transition and the impact on demand of the COVID-19 pandemic.

4.2 Incomplete texts

Some text may contain only keywords or parts of sentences instead of well written sentences. For the text below, based on the keywords, SDG 13 (Climate action) is still relevant.

ullet Paris Agreement ullet Greenhouse Gas Protocol & Science Based Targets initiative ullet IPCC Special Report: Global Warming of 1.5 o C

A SDG Goals

In this section an overview of the goals and their targets are listed. Source: https://sdgs.un.org/goals

SDG 1 No Poverty

The first goal is to end poverty worldwide. This goal consists of the following targets:

- Target 1 Establishing a minimum income of \$1.25 per day for all people everywhere on earth.
- Target 2 Reduce number of people living in poverty by factor 2, based on the national definitions.
- Target 3 Apply social protection systems for the poor and the vulnerable.
- Target 4 Establish equal rights and access to economic resources.
- Target 5 Reduce the exposure and vulnerability to climate events and economic, social and environmental disasters for the poor and the vulnerable.
- Target a Ensure a substantial mobilization from different sources in order to provide sufficient and predictable means for developing countries. In particular for least developed countries, to adopt programs and policies to end poverty in all its aspects.
- Target b Create a framework at regional, national and international level to support investment in plans to overcome poverty.

SDG 2 Zero Hunger

The second goal of the SDGs is to end hunger, to achieve food security and improvement of nutrition and to promote sustainable agriculture. This goal consists of the following targets:

- Target 1 End hunger and make nutritious and sufficient food accessibility for everyone worldwide, all year round.
- Target 2 End all forms of malnutrition, including ending prevalence of both underweight and overweight in children.
- Target 3 Double the agricultural productivity and incomes for small scale producers of food by providing equal access to land, productive resources and inputs, knowledge and financial services.
- Target 4 Establish sustainable food production systems; increase productivity, maintain ecosystems, strengthen capacity to adapt to climate change and other weather conditions and disasters.
- Target 5 Maintain the diversity of seeds, plants and farmed and domesticated animals and their related wild species.
- Target a Increase investment in rural infrastructure, agricultural research and plant and livestock banks.
- Target b Avoid and correct restrictions on trade in agricultural markets.
- Target c Limit extreme food price volatility by facilitating access to market information.

SDG 3 Good Health and Well-being

The third Global Goal is to ensure healthy lives and to promote the well-being for everyone at all ages. This goal consists of the following targets:

- Target 1 Reduce the global maternal mortality ratio to less than 70 per 100,000 births.
- Target 2 Reduce neonatal mortality (preventable death of newborns and children under the age of 5) to 12 per 1,000 births.
- Target 3 End epidemics of AIDS, tuberculosis, malaria and tropical diseases.
- Target 4 Reduce the premature mortality by one third by prevention and treatment of non-communicable (chronic) diseases.
- Target 5 Reinforce the prevention and treatment of narcotic drug and alcohol abuse.

- Target 6 Reduce the number of deaths from road traffic accidents with the factor 2.
- Target 7 Make universal sexual and reproductive health-care services accessible.
- Target 8 Achieve global health coverage including financial risk protection, access to health-care and access to safe medicine and vaccines for all.
- Target 9 Reduce the number of deaths and illnesses from chemicals in air, water and soil.
- Target a Strengthen the WHO its convention on tobacco control in all countries.
- Target b Support research and development of vaccines and medicines for diseases.
- Target c Increase health financing and the recruitment, development and training of the health workforce in developing countries.
- Target d Strengthen global capacity for risk reduction and management and global health risks.

SDG 4 Quality Education

The fourth goal on the global agenda of the UN is to ensure inclusive and qualitative education for all, and to promote life-long learning. This goal consists of the following targets:

- Target 1 Make sure all children complete free and qualitative primary and secondary education for effective learning outcomes.
- Target 2 Ensure children have access to care and pre-primary education so that they are ready for primary education.
- Target 3 Make education accessible for all men and women.
- Target 4 Increase the number of youths and adults who are relevantly skilled.
- Target 5 Eliminate disparity in education based on gender, race and disability.
- Target 6 Achieve literacy and numeracy for a substantial portion of people.
- Target 7 Make sure that all learners achieve a level of knowledge to promote development on among others human rights, culture, gender equality.
- Target a Upgrade education facilities to make them non-violent and inclusive for all.
- Target b Expand the number of available scholarships for developing counties.
- Target c Increase the supply of qualified teachers.

SDG 5 Gender Equality

SDG 5 is to achieve gender equality and to empower all women and girls. This goal consists of the following targets:

- Target 1 End all forms of gender discrimination
- Target 2 End all forms of violence against females in public and private spheres.
- Target 3 End all harmful practices against women, such as forced marriage and genital mutilation.
- Target 4 Provide public services for unpaid care and domestic work.
- Target 5 Ensure participation of women for leadership at all levels.
- Target 6 Ensure accessibility to sexual and reproductive health.
- Target a Give women equal rights to economic resources.
- Target b Enhance the use of technology by women.
- Target c Strengthen and reform policies for the promotion of gender equality.

SDG 6 Clean Water and Sanitation

Goal 6 aims at ensuring availability and sustainable management of water and sanitation. This goal consists of the following targets:

- Target 1 Achieve global access to safe drinking water for all.
- Target 2 Achieve global access to sanitation and hygiene for all.
- Target 3 Improve water quality.
- Target 4 Increase water-use efficiency.
- Target 5 Implement water resource management at all levels.
- Target 6 Protect and restore water-related ecosystems.
- Target a Expand global cooperation and capacity-building to developing countries in water related activities.
- Target b Strengthen the participation of local communities in water and sanitation management.

SDG 7 Affordable and Clean Energy

The seventh goal of the seventeen SDGs is to ensure access to affordable, reliable, modern and sustainable energy for everyone. This goal consists of the following targets:

- Target 1 Establish global access to modern energy services.
- Target 2 Increase the share of renewable energy.
- Target 3 Double the rate of improvement in efficient energy usage.
- Target a Intensify the international cooperation to facilitate access to clean energy.
- Target b Expand infrastructure and upgrade technology for energy supply in developing countries.

SDG 8 Decent Work and Economic Growth

Goal 8 is to promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all. The following targets are part of this goal:

- Target 1 Support economic growth per capita; at least 7% gross domestic product growth.
- Target 2 Reach higher levels of economic productivity.
- Target 3 Promote development policies for productive activities as job creation and entrepreneurship.
- Target 4 Improve progressively global resource efficiency in consumption.
- Target 5 Achieve full and productive employment and work for all regardless of gender, race and disability.
- Target 6 Reduce the proportion of unemployed youth.
- Target 7 Take measures to end forced labor, modern slavery and human trafficking.
- Target 8 Protect labor rights and promote safe and secure environments for all employers.
- Target 9 implement policies to promote sustainable tourism.
- Target 10 Strengthen capacity of domestic financial institutions.
- Target a Increase Aid for Trade for developing countries.
- Target b Develop a global strategy for youth employment and implement the Global Jobs Pact of the International Labour Organization.

SDG 9 Industry, Innovation and Infrastructure

Goal 9 is to build infrastructure, to promote inclusive and sustainable industrialization and to foster innovation. The following 8 targets are part of the ninth SDG:

- Target 1 Develop infrastructure that is qualitative, reliable and sustainable to support economic development and human well-being.
- Target 2 Promote inclusive and sustainable industrialization.
- Target 3 Increase accessibility of small-scale industries and enterprises.

- Target 4 Upgrade infrastructure and industries to make them more sustainable with increased resource-use efficiency.
- Target 5 Upgrade technological capabilities of industrial sectors in all countries and encourage scientific research.
- Target a Facilitate infrastructure development in developing countries.
- Target b Support technology development in developing countries.
- Target c Increase accessibility of information and communication technology.

SDG 10 Reduced Inequality

The 10th SDG focuses on reducing inequality within and among countries. This goal consists of the following targets:

- Target 1 Accomplish and support pay development of the last 40% of the populace at a rate higher than the national average.
- Target 2 Enable and advance the social, financial and political incorporation of all, regardless of age, gender, disability, race, nationality, origin, religion or other status.
- Target 3 Guarantee equivalent freedom and lessen imbalances of result, including taking out prejudicial laws, and advancing proper enactment, strategies and activity in such manner.
- Target 4 Make arrangements, particularly fiscal, wage and social security approaches, and continuously accomplish more equality.
- Target 5 Improve the guidelines and monitoring of worldwide business sectors and foundations and reinforce the usage of such guidelines.
- Target 6 Guarantee upgraded portrayal and voice for agricultural nations in dynamic in global international economic and financial institutions.
- Target 7 Facilitate safe and responsible migration and mobility for all.
- Target a Execute the rule of uncommon and differential treatment for developing countries, specifically least developed nations, as per World Trade Organization arrangements.
- Target b Enhance official development assistance and financial flows.
- Target c Reduce the transaction costs of migrant remittances to less than 3 per cent.

SDG 11 Sustainable Cities and Communities

- SDG 11 aims at making cites and human settlements inclusive, safe and sustainable. The following targets form this goal:
- Target 1 Make housing and basic services affordable, safe and adequate for all.
- Target 2 Provide safe, accessible and sustainable transport systems.
- Target 3 Increase inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning.
- Target 4 Protect the world's cultural and natural heritage.
- Target 5 Reduce the number of deaths and number of people affected by disasters directly related to economic losses.
- Target 6 Improve the environmental impact of cities by monitoring air quality and waste management.
- Target 7 Make public spaces safe, accessible and green.
- Target a Support links between urban, per-urban and rural areas based on economic, social and environmental impact.
- Target b Increase the number of cities and human settlements that have plans for inclusion, resources efficiency and mitigation.

Target c Support developing countries in building sustainable buildings through financial and technical assistance.

SDG 12 Responsible Consumption and Production

The main focus of goal 12 is to ensure the sustainable consumption and production patterns. This goal includes the following targets:

- Target 1 Conduct a ten-year framework for programs on sustainable consumption and production.
- Target 2 Achieve sustainable management and efficiency on the use of natural resources.
- Target 3 Reduce the global food waste at retail and consumer level by factor 2.
- Target 4 Achieve environmental management of chemicals and waste throughout the human life cycle.
- Target 5 Reduce waste generation.
- Target 6 Encourage companies to adopt sustainable programs.
- Target 7 Promote sustainable public procurement practices.
- Target 8 Create awareness and provide relevant information on sustainable development and lifestyles in harmony with nature.
- Target a Support developing countries towards more sustainable patterns of consumption and production by strengthening their scientific and technological capacity.
- Target b Develop and implement tools to monitor sustainable development.
- Target c End inefficient use of fossil-fuels.

SDG 13 Climate Action

Goal 13 of the SDGs is to take urgent action to combat climate change and the impacts of climate change. The following targets are documented to achieve this goal:

- Target 1 Strengthen the adaptive capacity for climate related hazards and disasters in all countries.
- Target 2 Integrate climate change measures into policies, strategies and planning nation wide.
- Target 3 Improve education and human and institutional capacity on climate change.
- Target a Commit to the United Nations Framework Convention on Climate Change to a goal of mobilizing jointly \$100 billion annually by 2020 for developing countries.
- Target b Advance systems for raising limit with regards to compelling environmental change-related arranging and the executives in least created nations and little island creating States, remembering centering for ladies, youth and nearby and minority networks.

SDG 14 Life Below Water

Goal 14 aims at conserving and sustainable using the oceans, seas and marine resources for sustainable development. The targets of this goal are the following:

- Target 1 Prevent and significantly reduce marine pollution of all kinds.
- Target 2 Sustainable manage and protect marine and coastal ecosystems.
- Target 3 Minimize the impact on ocean acidification.
- Target 4 Regulate harvesting and over-fishing and end illegal, unreported and unregulated fishing.
- Target 5 Conserve 10 percent of coastal and marine areas.
- Target 6 Prohibit the subsidisation of fisheries that contribute to over-fishing and illegal, unreported and unregulated fishing.
- Target 7 Increase the benefits of Small Island developing States and developing countries from sustainable use of marine resources.

- Target a Increase scientific knowledge, research capacity and marine technology to improve ocean health.
- Target b Provide access for small-scale fishers to marine sources and markets.
- Target c Improve the protection and manageable conservation of seas and their assets by executing global law as reflected in UNCLOS. To give a lawful structure to the preservation and practical conservation of seas and their assets

SDG 15 Life on Land

Goal 15 is to protect, restore and promote the sustainable use of terrestrial ecosystems. To sustainably manage forests, combat desertification and halt and reserve land degredation and to prevent biodiversity loss. The targets of which this goal consists are the following:

- Target 1 Conserve and sustainably use the terrestrial and inland freshwater ecosystems, forests, mountains, drylands and wetlands.
- Target 2 Promote the implementation of sustainable management of forests. Halt deforestation, restore degrades forests and sustainable increase afforestation and reforestation globally.
- Target 3 Combat desertification and restore land and soil.
- Target 4 Ensure the conservation of mountain ecosystems.
- Target 5 Take action to reduce degradation of natural habitats.
- Target 6 Promote fair share of benefits from genetic resources.
- Target 7 End trading and trafficking of protected species of flora and fauna.
- Target 8 Introduce measures to prevent the impact of invasive species in various ecosystems.
- Target 9 Implement biodiversity and ecosystem values into national and local planning.
- Target a Mobilize and increase financial resources to conserve biodiversity and ecosystems.
- Target b Mobilize and increase resources to conserve biodiversity and ecosystems for developing countries.
- Target c Globally support efforts to combat trafficking of protected species.

SDG 16 Peace and Justice Strong Institutions

Goal 16 is to promote peaceful and inclusive societies for sustainable development. As well as providing access to justice for all, and build effective, accountable and inclusive institutions at all levels. The targets of this goal are:

- Target 1 Reduce violence and violence related death rates.
- Target 2 End trafficking, abuse, exploitation and all other forms of violence against children.
- Target 3 Ensure equal access to justice for all.
- Target 4 Reduce all forms of organized crimes
- Target 5 Reduce bribery and corruption of all forms.
- Target 6 Develop institutions that are transparent, accountable and effective at all levels.
- Target 7 Enhance inclusive and representative decision-making at all levels.
- Target 8 Increase the participation of developing countries in global governance.
- Target 9 Make legal identity and birth registration accessible for all.
- Target 10 Make public information accessible and ensure fundamental freedoms.
- Target a Make the national institutions stronger through international cooperation.
- Target b Enforce non-discriminatory laws.

SDG 17 Partnerships to achieve the Goal

The last goal of the 17 SDGs is to strengthen the means of implementation and revitalize the global partnership for sustainable development.

- Target 1 Strengthen domestic resource mobilization, including through international support to developing countries, to improve domestic capacity for tax and other revenue collection
- Target 2 Developed countries to implement fully their official development assistance commitments, including the commitment by many developed countries to achieve the target of 0.7 per cent of ODA/GNI to developing countries and 0.15 to 0.20 per cent of ODA/GNI to least developed countries; ODA providers are encouraged to consider setting a target to provide at least 0.20 per cent of ODA/GNI to least developed countries
- Target 3 Mobilize additional financial resources for developing countries from multiple sources
- Target 4 Assist developing countries in attaining long-term debt sustainability through coordinated policies aimed at fostering debt financing, debt relief and debt restructuring, as appropriate, and address the external debt of highly indebted poor countries to reduce debt distress
- Target 5 Adopt and implement investment promotion regimes for least developed countries
- Target 6 Enhance North-South, South-South and triangular regional and international cooperation on and access to science, technology and innovation and enhance knowledge sharing on mutually agreed terms, including through improved coordination among existing mechanisms, in particular at the United Nations level, and through a global technology facilitation mechanism
- Target 7 Promote the development, transfer, dissemination and diffusion of environmentally sound technologies to developing countries on favourable terms, including on concessional and preferential terms, as mutually agreed
- Target 8 Fully operationalize the technology bank and science, technology and innovation capacity-building mechanism for least developed countries by 2017 and enhance the use of enabling technology, in particular information and communications technology
- Target 9 Enhance international support for implementing effective and targeted capacity-building in developing countries to support national plans to implement all the sustainable development goals, including through North-South, South-South and triangular cooperation
- Target 10 Promote a universal, rules-based, open, non-discriminatory and equitable multilateral trading system under the World Trade Organization, including through the conclusion of negotiations under its Doha Development Agenda
- Target 11 Significantly increase the exports of developing countries, in particular with a view to doubling the least developed countries' share of global exports by 2020
- Target 12 Realize timely implementation of duty-free and quota-free market access on a lasting basis for all least developed countries, consistent with World Trade Organization decisions, including by ensuring that preferential rules of origin applicable to imports from least developed countries are transparent and simple, and contribute to facilitating market access
- Target 13 Enhance global macroeconomic stability, including through policy coordination and policy coherence
- Target 14 Enhance policy coherence for sustainable development
- Target 15 Respect each country's policy space and leadership to establish and implement policies for poverty eradication and sustainable development Multi-stakeholder partnerships
- Target 16 Enhance the global partnership for sustainable development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the sustainable development goals in all countries, in particular developing countries
- Target 17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships Data, monitoring and accountability

- Target 18 By 2020, enhance capacity-building support to developing countries, including for least developed countries and small island developing States, to increase significantly the availability of high-quality, timely and reliable data disaggregated by income, gender, age, race, ethnicity, migratory status, disability, geographic location and other characteristics relevant in national contexts
- Target 19 By 2030, build on existing initiatives to develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries