## Integrating the SDGs into a TFG/TFM

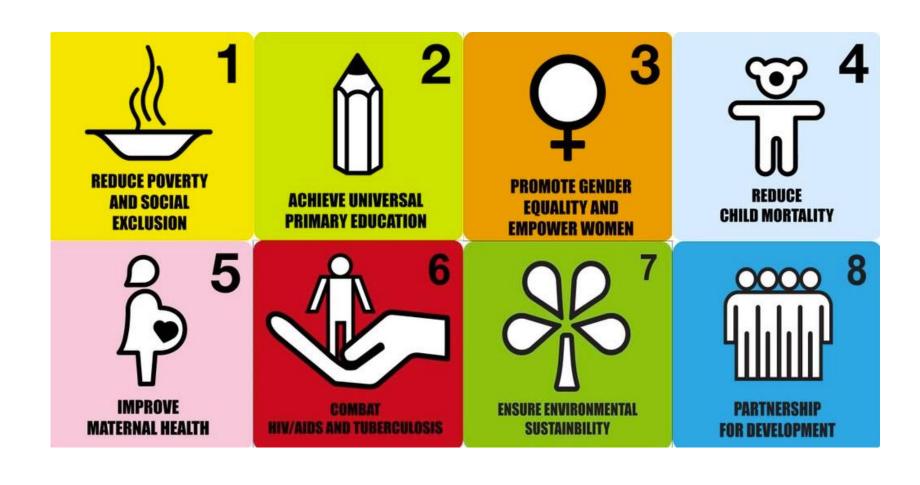


## In a nutshell...

The Sustainable Development Goals (SDGs) are a collection of 17 global goals designed to be a "blueprint to achieve a better and more sustainable future for all"



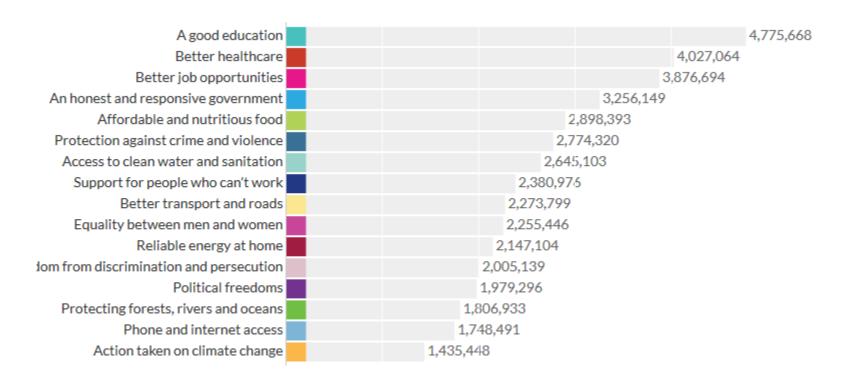
## Millenium Development Goals to 2015





#### **CHOOSE 6 ISSUES THAT MATTER MOST:**

Which of these are most important for you and your family?



The first video, "Understanding the Dimensions of Sustainable Development," offers a broad introduction to the Sustainable Development Goals.

















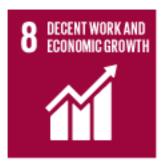






















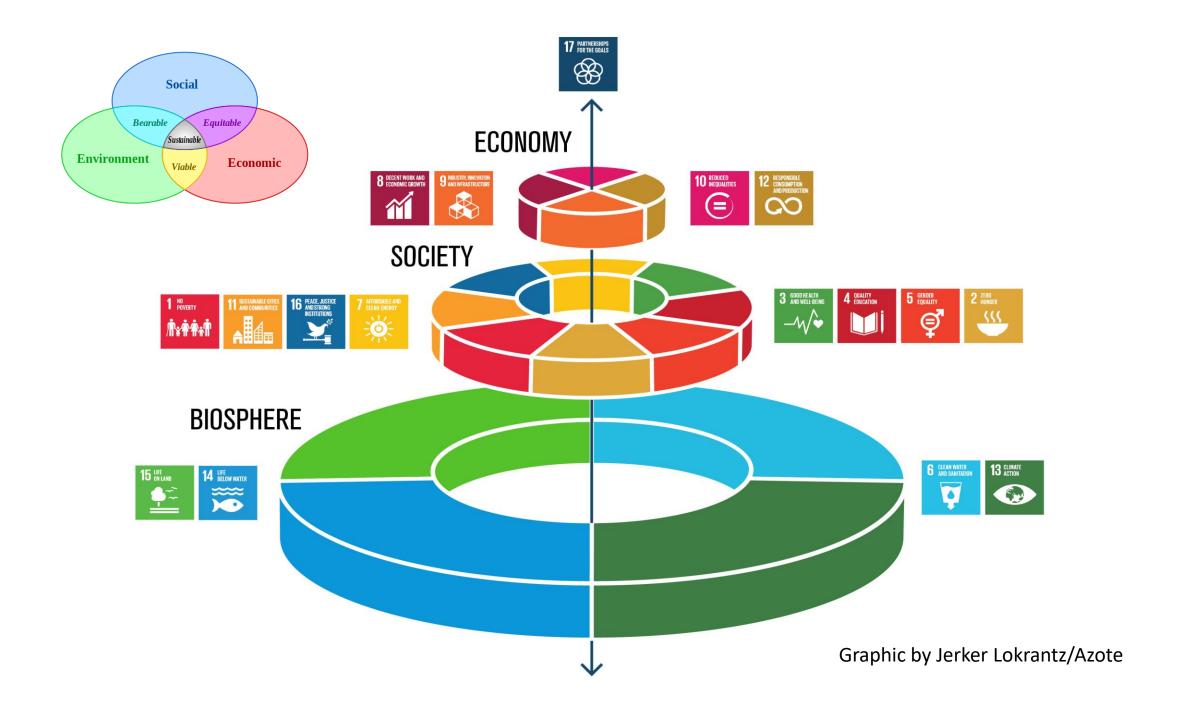












### **SUSTAINABLE DEVELOPMENT GOAL 12**

Ensure sustainable consumption and production patterns



PROGRESS & INFO (2019)

PROGRESS & INFO (2018)

PROGRESS & INFO (2017)

PROGRESS & INFO (2016)

**TARGETS & INDICATORS** 

#### **PROGRESS OF GOAL 12 IN 2019**

Worldwide material consumption has expanded rapidly, as has material footprint per capita, seriously jeopardizing the achievement of Sustainable Development Goal 12 and the Goals more broadly. Urgent action is needed to ensure that current material needs do not lead to the overextraction of resources or to the degradation of environmental resources, and should include policies that improve resource efficiency, reduce waste and mainstream sustainability practices across all sectors of the economy.

- In 2017, worldwide material consumption reached 92.1 billion tons, up from 87 billion in 2015 and a 254 per cent increase from 27 billion in 1970, with the rate of extraction accelerating every year since 2000. This reflects the increased demand for natural resources that has defined the past decades, resulting in undue burden on environmental resources. Without urgent and concerted political action, it is projected that global resource extraction could grow to 190 billion tons by 2060.
- Material footprint per capita has increased considerably as well: in 1990 some 8.1 tons of natural resources were used to satisfy a person's need, while in 2015, almost 12 tons of resources were extracted per person.
- Well-designed national policy frameworks and instruments are necessary to enable the fundamental shift towards sustainable consumption and production patterns. In 2018, 71 countries and the European Union reported on a total of 303 policy instruments.
- Parties to the Montreal Protocol and the Basel, Rotterdam and Stockholm Conventions are required to transmit information on the implementation of their obligations under those agreements. However, the rate of transmission varies, with the average compliance rate across these four agreements at approximately 70 per cent.

#### REVIEW



GOAL 12 WAS REVIEWED IN-DEPTH AT THE HIGH-LEVEL POLITICAL FORUM OF 2018

#### READ MORE IN RELATED TOPICS



#### Chemicals and waste



## **SUSTAINABLE DEVELOPMENT GOAL 12**

Ensure sustainable consumption and production patterns



PROGRESS & INFO (2019)

PROGRESS & INFO (2018)

PROGRESS & INFO (2017)

PROGRESS & INFO (2016)

**TARGETS & INDICATORS** 

The global indicator framework was developed by the Inter-Agency and Expert Group on SDG Indicators (IAEG-SDGs) and agreed to, as a practical starting point at the 47th session of the UN Statistical Commission held in March 2016. The report of the Commission, which included the global indicator framework, was then taken note of by ECOSOC at its 70th session in June 2016. More information.

TARGETS INDICATORS

- 12.1 Implement the 10-year framework of programmes on sustainable consumption and production, all countries taking action, with developed countries taking the lead, taking into account the development and capabilities of developing countries
- **12.1.1** Number of countries with sustainable consumption and production (SCP) national action plans or SCP mainstreamed as a priority or a target into national policies
- **12.2** By 2030, achieve the sustainable management and efficient use of natural resources
- **12.2.1** Material footprint, material footprint per capita, and material footprint per GDP
- **12.2.2** Domestic material consumption, domestic material consumption per capita, and domestic material consumption per GDP







HOME SDGS HLPF STATES SIDS UN SYSTEM STAKEHOLDERS TOPICS PARTNERSHIPS RESOURCES ABOUT

#### **Sustainable Development Goals**







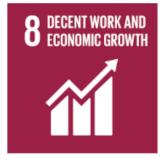








Ensure access to affordable, reliable, sustainable and modern energy for all





















# How to integrate the SDGs on your TFG/TFM?

- For the Annex B (~500 words)
  - Identifying the **primary SDG** (of one dimension of sustainability): which of all the SDGs is most affected by your TFG/TFM?
  - Within that main SDG, what specific goal does your TFG/TFM target?
  - Identifying some secondary SDGs as well (ideally from the other dimensions)
- For TFG/TFM Final Report (~1000 words)
  Elaborating an additional Annex to the Final Report including:
  - Making the connection:
    - Brief contextualization of the main SDG and the chosen goal
    - Brief description of how the TFG/TFM interacts with that goal
  - Quantification

## Example 1 (I)

Title: Analysis of the operation of the domotic lighting control system of an office complex

SDG dimenssion	SDG identified	Role	Goal
Biosphere	SDG 13: Take urgent action to combat climate change and its effects (noting the agreements adopted in the forum of the United Nations Framework Convention on Climate Change)	Secondary	Improve education, awareness and human and institutional capacity for climate change mitigation, adaptation, mitigation and early warning
Society	SDG11: Making cities and human settlements inclusive, safe, resilient and sustainable	Secondary	By 2030, reduce the negative environmental impact per capita of cities, including by paying special attention to air quality and the management of municipal and other waste.
Economy	SDG12: Ensure sustainable consumption and production patterns	Primary	By 2030, achieve sustainable management and efficient use of natural resources.

## Example 1 (II)

Title: Analysis of the operation of the domotic lighting control system of an office complex

#### Quantification of the impact of the contribution to the SDG

- 44% of the electrical energy consumption for the building's lighting will be saved, equivalent to 1.2 MWh
- Taking into account the Spanish electricity generation mix, the emission of
  436 tons of CO2 per year will be avoided
- 45% economic savings compared to investment

## Example 2

Title: Design of an exoskeleton for children with cerebral palsy

SDG dimenssion	SDG identified	Role	Goal
Biosphere	-	-	-
Society	SDG3: Ensuring healthy living and promoting well-being for all people at all ages	Primary	By 2030, reduce premature mortality from noncommunicable diseases by one third through prevention and treatment, and promote mental health and well-being
Economy	SDG9: Develop resilient infrastructure, promote inclusive and sustainable industrialisation, and encourage innovation	Secondary	Increase scientific research and improve the technological capacity of industrial sectors in all countries, particularly developing countries, including through the promotion of innovation and a significant increase in the number of people working in research and development per million inhabitants and in public and private sector expenditure on research and development by 2030.

## Example 3

Title: Operational risk in insurance companies: the great unknown of Solvency II

SDG dimenssion	SDG identified	Role	Goal
Biosphere	-	-	-
Society	SDG16: Promote peaceful and inclusive societies for sustainable development, facilitate access to justice for all and build effective, accountable and inclusive institutions at all levels	Secondary	Create effective, accountable and transparent institutions at all levels
Economy	SDG9: Develop resilient infrastructure, promote inclusive and sustainable industrialisation, and encourage innovation	Primary	Increase access of small industrial and other enterprises, particularly in developing countries, to financial services, including access to affordable credit, and their integration into value chains and markets

## Summarizing

The **SDGs** are the main **global consensus agenda** for the integral **progress** of our societies.

Thus, the **objective** of this task is:

- Getting to know the SDGs and their great potential to align efforts
- Develop a practical alignment exercise

## Questions?





To access to the recording of this presentation, please click here.

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