Module 5 Sustainable Development Goal No 13

Climate Change

Take urgent action to combat climate change and its impacts

Agenda

- 1.1 Introduction to the Sustainable Development Goals (SDGs)
  - Defining SDG 13
  - Significance
  - Advantages
  - Interdependencies
  - Challenges
- 1.2 Good practices within SDG 13
- 1.3 Excercises
- 1.4 Supplementary Readings and Quizzes (extra doc)

1.1

SUSTAINABLE DEVELOPMENT GOALS

HAW HAMBURG

- What are the SDGs?
- What do they want to achieve?

03:59

1.1

SUSTAINABLE DEVELOPMENT GOALS

- 17 Goals to be reached until 2030 (*Agenda 2...*)
- Five critical dimensions:

people, prosperity, planet, partnership and peace

- three core elements:

social inclusion, **economic** growth, and **environmental** protection
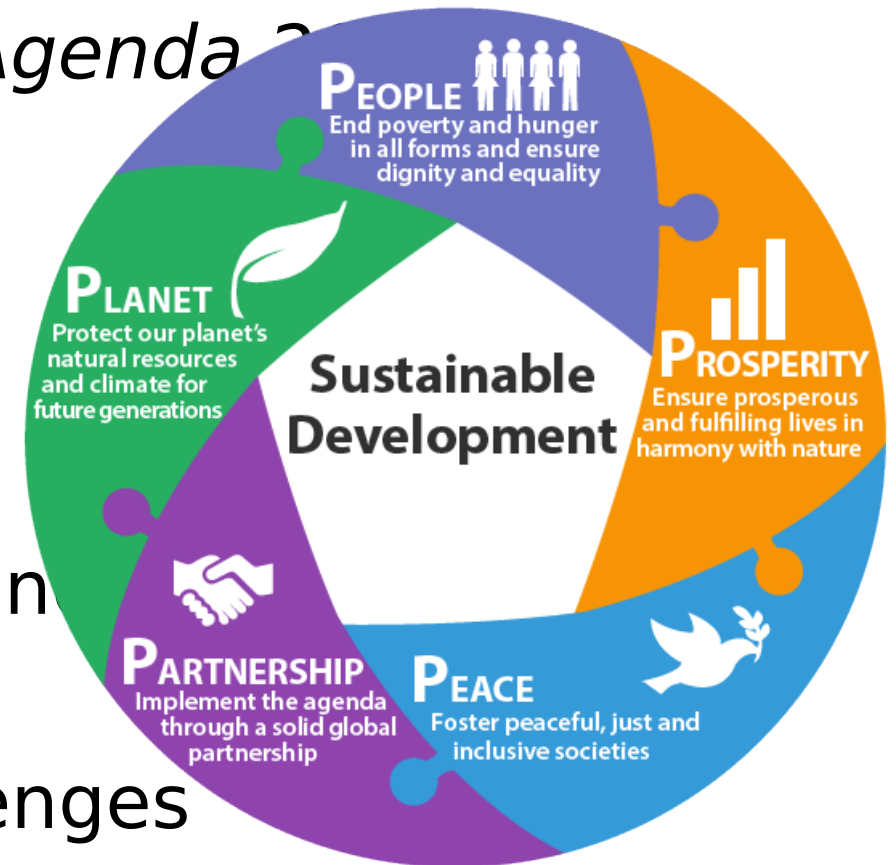
- holistic approach to tackle the challenges

PEOPLE
End poverty and hunger in all forms and ensure dignity and equality

PLANET
Protect our planet's natural resources and climate for future generations

Sustainable Development

PROSPERITY
Ensure prosperous and fulfilling lives in harmony with nature

PARTNERSHIP
Implement the agenda through a solid global partnership

PEACE
Foster peaceful, just and inclusive societies

1.1 Defining SDG 13

- Significance
- Advantages
- Interdependencies
- Challenges

1.1 Defining SDG 13 (1)

Climate Change
Take urgent action to combat climate change and its impacts

1.1 Defining SDG 13 (2)

Goal number 13 is measured by 5 targets and 8

Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.

Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries.

Integrate climate change measures into national policies, strategies and planning.

Promote mechanisms for raising capacity for effective climate change-related planning and management in least developed countries and small island developing States.

Implement the commitment undertaken by developed-country parties to the UNFCCC to address the needs of developing countries.

(Fig. 2: CC BY SA – author: Fernanda Frankenberger)

13 CLIMATE ACTION

Significance of SDG 13

- Take action to minimize the impact in the affected sectors

Impacts

- Temperature rise
- Change in weather
- More extreme events
- Melting glaciers and polar ice
- Sea level rise
- Air pollution

Main affected sectors

- Agriculture
- Forests
- Society
- Water resources
- Coasts
- Ecosystems
- Energy
- Human health
- Transportation
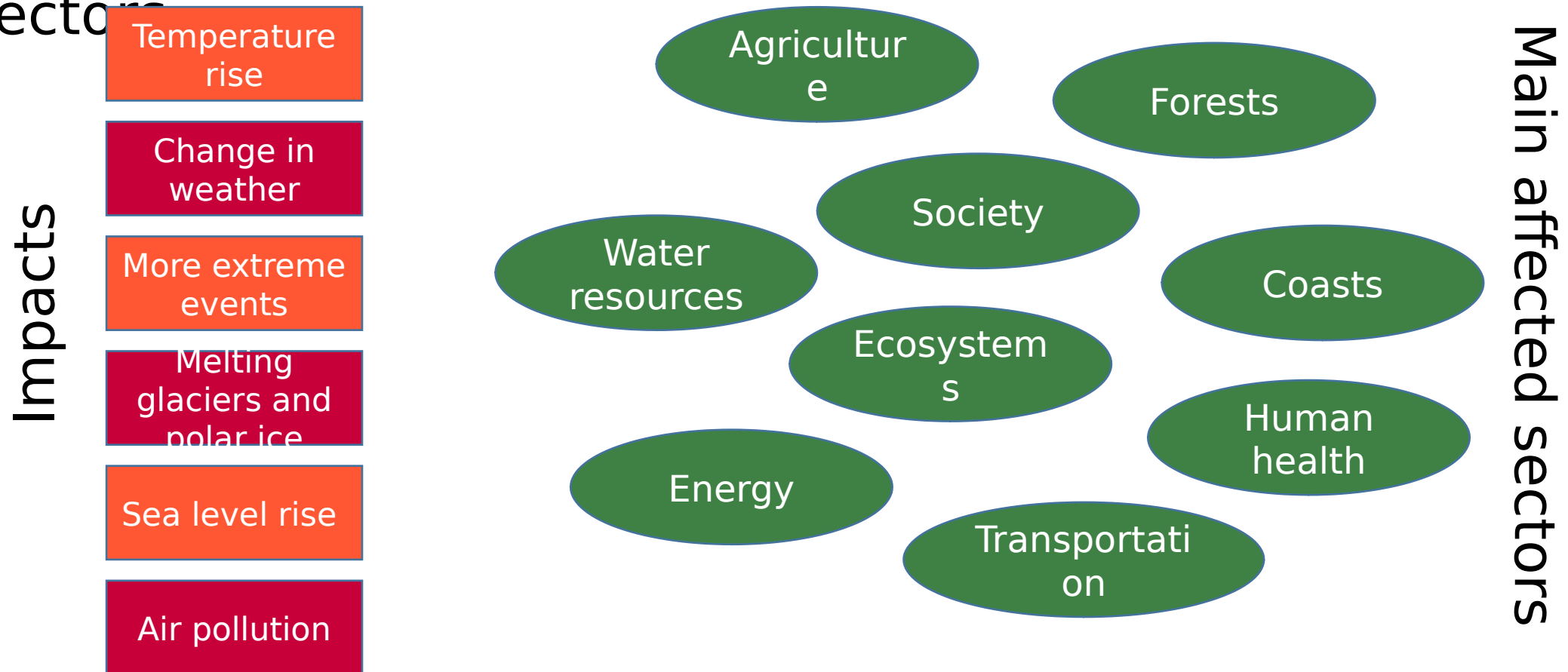
Advantages of SDG 13

- SDG 13 complements mechanisms already in place for climate action, as for example the Kyoto Protocol, Paris Agreement and the Conferences of the Parties (COPs).

- SDG 13 works on already existing problems, but promotes the "urgent" action and specific targets.

- SDG 13 indicators help monitor and measure progress, besides setting priorities.

- Climate change affects many areas and climate action is affected by others!
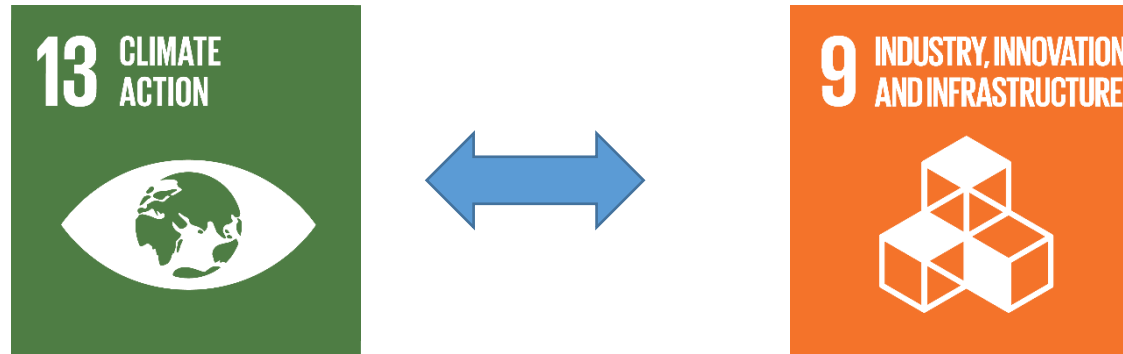
Interdependencies of SDG 13

- Example of interlinkages between SDG 13 & SDG 4
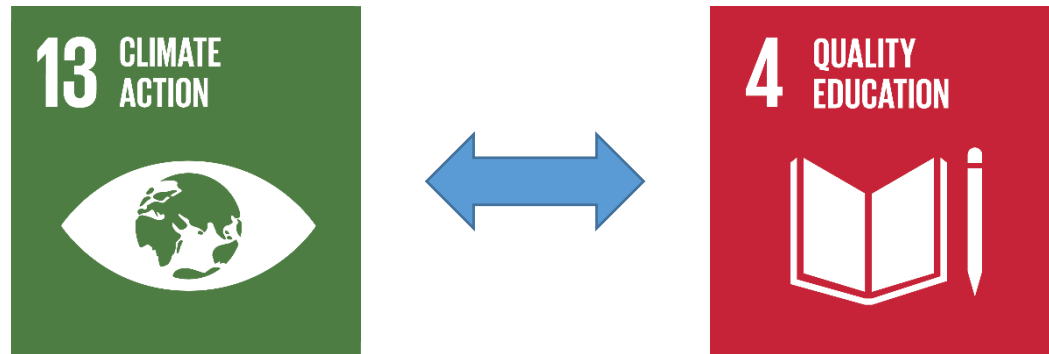
E.g.: Through education people can be informed that change in climate patterns is real and is happening right now. It will prepare people to better face the consequences and to be more aware of their actions, feeling responsible and committed to change.
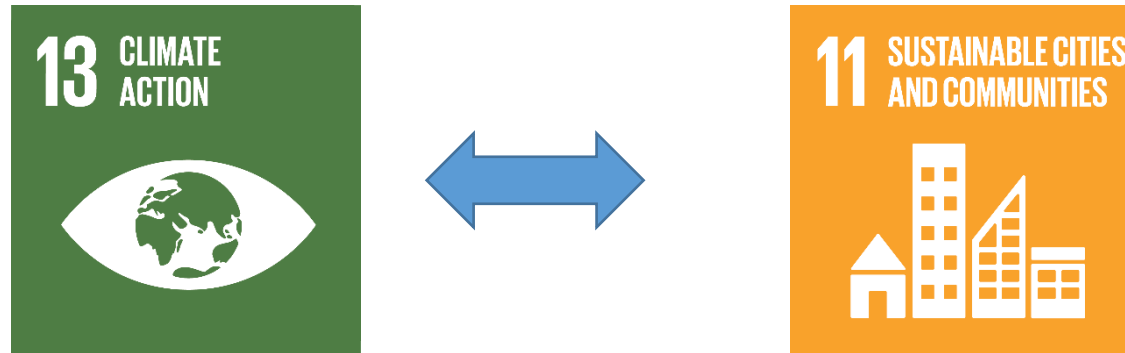
Interdependencies of SDG 13

- Example of interlinkages between SDG 13 & SDG 9

E.g.: Actions of SDG 9 support reducing resources consumption, promote better waste management and prepare resilient infrastructures. These can be tracked by SDG 13 with the CO_2 emission indicator.
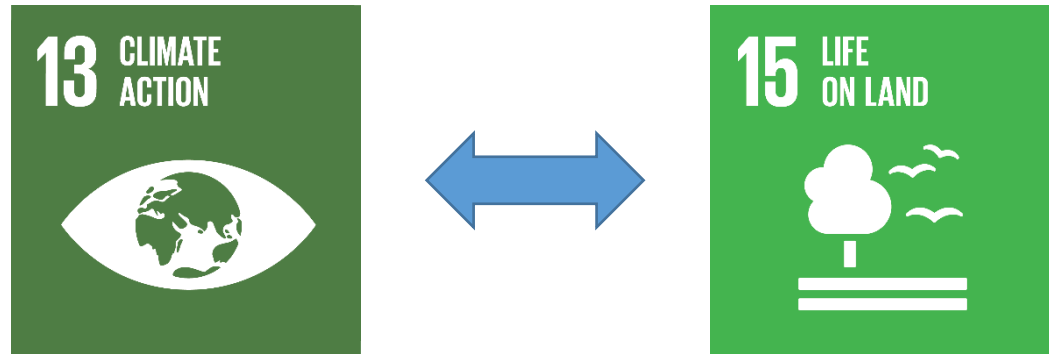
Interdependencies of SDG 13

- Example of interlinkages between SDG 13 & SDG 11

E.g.: By increasing the number of cities adopting and implementing integrated policies and plans towards resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and developing and implementing holistic disaster risk management at all levels, cities will be better prepared to face extreme events and other consequences of climate change.

Interdependencies of SDG 13

- Example of interlinkages between SDG 13 & SDG 15

- E.g.: By combating desertification, managing forests sustainably and reverse land degradation, climate change is positively affected.

Interdependencies of SDG 13

- Which can be more interdependencies of SDG 13?

...

Challenges of SDG 13

- To define metrics to be tracked and enhance the infrastructure to standardise and verify data to be able to evaluate progress among countries.

- To establish monitoring mechanisms - partnerships among countries might be helpful.

- The commitment of all countries to reduce greenhouse gas emissions, invest in renewable energy sources, reform the transport and industry sectors, and to reduce deforestation.

- To forcefully implement such long-term strategies to reduce greenhouse gas emissions and to increase renewable energy use.

1.2 Good Practices of SDG 13

- Education
  - Millennium Tree Planting Campaign Project - 50,000 children from the Addis Ababa region planted 50,000 trees. Students could learn how trees can reduce land erosion and can protect against wind and dust (https://unfccc.int/ youth-engagement/building-cross-cutting-skills-and-effec

- Transportation
  - Bicycle use supports reducing air pollution in cities.

Source: Fernanda Frankenberger

1.2 Good Practices of SDG 13

- World Environment Day

  - Different themes every year
  - In 2019: #BeatAirPollution
  - Celebrated in over 100 countries

Source: Fernanda Frankenberger – CC BY SA

1.2 Good Practices of SDG 13 – Case Studies

Prepare and present examples of project - or country-related good practices on the implementation of SDG 13

1.3 Excercises on SDG 13: ClamateChangeMakingSense

- How do you make sense of the SDG 13?

- To what extent is SDG 13 feasible?

- Which are the difficulties in implementing and tracking climate change in your community?

1.3 Excercises on SDG 13: Describing links with other SDGs

Map SDG 13 in relation to other SDGs.

- How strong is the link between SDG4 and SDG13?

- How can SDG13 on climate change support the completion of SDG7?

- How does SDG13 foster healthy lives and promote well-being for all at all ages (SDG3)?

- **How can an integrative approach be adopted to tackle SDG13 in tandem with other SDGs?**

Targets	Key interactions
13.1 ⮕ 15.2	Conservation, restoration and sustainable use of terrestrial of forests, wetlands, mountains and drylands.
13.1 ⮕ 15.3	Management of all types of forests, halt deforestation, restore degraded forests.
13.3 ⮕ 4.7	All learners acquire the knowledge and skills needed to promote sustainable development.
13.B ⮕ 2.4	**Sustainable food production systems and resilient agricultural practices.**

1.3 Excercises on SDG 13 – Gather and analyse data on SDG 13

1. Gather and analyse global, regional, national and local data on SDG 13. E.g. from the UN Sustainable Development Knowledge Platform (https://sustainabledevelopment.un.org/sdg13, https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Category:Climate_change

2. Analyse the Data bank from the World Bank by picking some of the targets and present them in a visually appealing way (https://databank.worldbank.org/data/home.aspx)

3. Collect data on climate change in your community (classroom / university / house) and analyse the trends in both a qualitative and quantitative manner to find out major narratives, frequencies, correlations and causalities. See how well your data is situated in comparison to the local (if available) or national data from the other platforms.

1.3 Excercises on SDG 13 – Localizing4Development

- How can you identify the benefits of SDG13 at your community (class-room/university/school/neighborhood/house) and at individual level?

  1. Which are the pros and cons of such an approach?

  2. Do a comparison with specific countries/states as examples.

1.3 Excercises on SDG 13 – Policy Briefs

- Write policy briefs on any topic pertinent to climate change as identified by SDG 13

  - For that, check how international policy briefs are structured.
    - https://sustainabledevelopment.un.org/topics/climatechange/decisions
    - https://unfccc.int/documentation/decisions/items/3597.php

1.3 Excercises on SDG 13 – @ClimateChange

- First check your social media for campaigns already existing about Climate Change.

- Discuss about these campaigns: main topics, possible results for the community, etc.

Drive your social media platforms in ways that promote climate change awareness in your community!

Source: HuffPost

1.3 Excercises on SDG 13 – ClimateChangePreneurs

- Which stories about entrepreneurship and climate change do you find? Search for examples in your community.

  - Use vlogs, blogs and journals to promote this exercise on SDG 13

1.3 Excercises on SDG 13 – BreakingSilos

- Target of this exercise is to actively think and write on SDG 13 from the wide variety of sciences and arts

  - philosophical perspective
  - education issues in SDG 13 from a managerial
  - inclusion of SDG 13 in your research field

Source: AIIP

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