

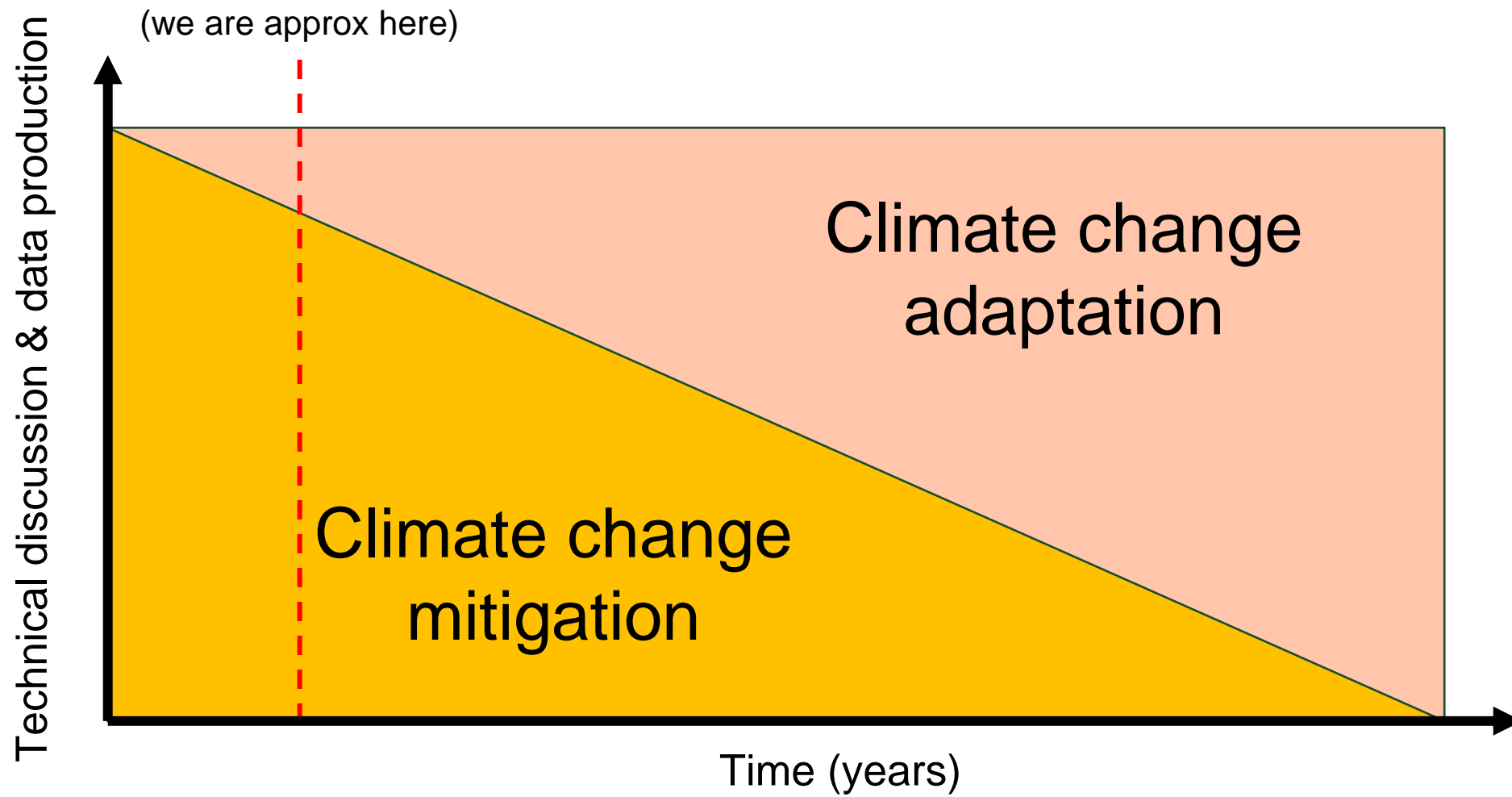
# Climate change adaptation

Eurostat's state of art – Unit E2: Environmental statistics and accounts;  
sustainable development

*National User Council Workshop, Athens March 27<sup>th</sup> 2025*

Climate change adaptation  
vs  
Climate change mitigation





# Environmental accounts

## EU Regulation 691/2011

- Amendment of [27th November 2024](#)
  - Article 10: By 27 December 2026, the Commission shall assess the **quality of the data** available on climate change adaptation and, **where appropriate**, submit a legislative **proposal** to the European Parliament and to the Council for the introduction of new environmental economic account modules for climate change adaptation.
  - Article 9: The **data portal** shall display the data provided by Member States ...on the climate change mitigation investments
  - Article 10: adopt **delegated** acts ... to include characteristics regarding other investments on climate change mitigation.
- Eurostat's work as part of an international demand



# Eurostat's work and international initiatives (1/3)

## Harmonised IPCC definition

“Adaptation is defined, in human systems, as the process of adjustment to actual or expected climate and its effects, in order to moderate harm or exploit beneficial opportunities”

## Classification

- ✓ Environmental purposes
- ✓ Hazardous events

But

✗ NACE/CPA/PRODCOM/CN

Which statistical measures (accounts, disaster-risk indicators)

Statistical frameworks (link to activities)

## Methodology and Implementation

In line with SNA/SEEA

2025: draft methodology

2026: first data input

2027: towards methodology finalisation

(SEEA central framework update)

And more data

System of Environmental Economic Accounting (SEEA)



# Eurostat's work and international initiatives (2/3)

## IMF

### Data Gap initiative (DGI)

- 7 recommendations on climate change mitigation and adaptation

- Climate adaptation in recommendations 6 and 7 : climate impacting subsidies and **expenditures on climate adaptation**

- Next workshop June 2025

## ECB and CMFB initiatives

Experimental and analytical indicators to help analyse climate-related risks in the financial sector and monitor the green transition (2023)

ESCB data sources – granular local information

ECB – CMFB task force on statistics on sustainable finance and climate related risks => need for better integration of the requirements of financial and non-financial statistics about climate-related risks and sustainable finance into the classifications of economic activities and product.

## OECD

### International Programme for Action on Climate

Support countries progress towards net-zero GHG emissions and a more resilient economy by 2050

Report includes chapter about trends on climate-related hazards and disasters through indicators such as population exposure to hot days, to coastal flooding and to violent windstorms and economic losses from climate disasters.



# Eurostat's work and international initiatives<sup>(3/3)</sup>

## UNECE

UNECE report on hazardous events and disasters indicators – June 2023

List of core disaster-risk-related 53 indicators

3 criteria:

- types of hazards
- components of the disaster-related statistics framework (DRSF) and
- elements at risk

## UNSD

Global set of climate change statistics and indicators

To be used by countries

158 indicators

- five areas : drivers, impacts, vulnerability, mitigation and adaptation
- various themes

32 indicators in the area of adaptation

## EEA and non-statistical EU

**EEA indicator**

Annual data on economic losses from weather- and climate-related extremes

Data sources: think tank and re-insurance company

Official source for Copernicus data

**EU Taxonomy**

Technical screening criteria

Economic activities based

Six environmental objectives incl. climate change adaptation



# Eurostat stakeholder analysis

- Climate adaptation data production is a crowded area
- Eurostat must avoid duplicities and redundancies with other data producers
- Eurostat strengths:
  - Wealth existing social, economic, environmental data (but they do not disentangle climate adaptation)
  - Economic-environmental data: green investments, jobs, exports, value added, etc.
  - Experiences in environmental accounts. Integrating sources. Good recent experience on ecosystem accounts (natural capital)
- Interested to use more Earth observation data to produce statistics. It promises to be very valuable for climate adaptation





# Eurostat future workstreams

- Experimental data on climate change adaptation macro economic data, based on structural business statistics
- Overlap climate change mitigation and climate change adaptation
  - 13 % of climate change adaptation output is climate change mitigation as well
  - Overlapping activities: in energy efficiency (e.g. manufacture of mineral insulating materials, thermal insulation), smart home technology: balanced inter-building cooling/heating systems
- Meet stakeholders to clarify distribution of work and about duplicities
- EEA, JRC, ECB, OECD, UNECE, IMF, non-statisticians



# Thank you

# Any feedback welcome



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