

# Session 1: Setting the scene – How can the SEEA support the policy on Climate Change and Biodiversity

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# Climate change policies



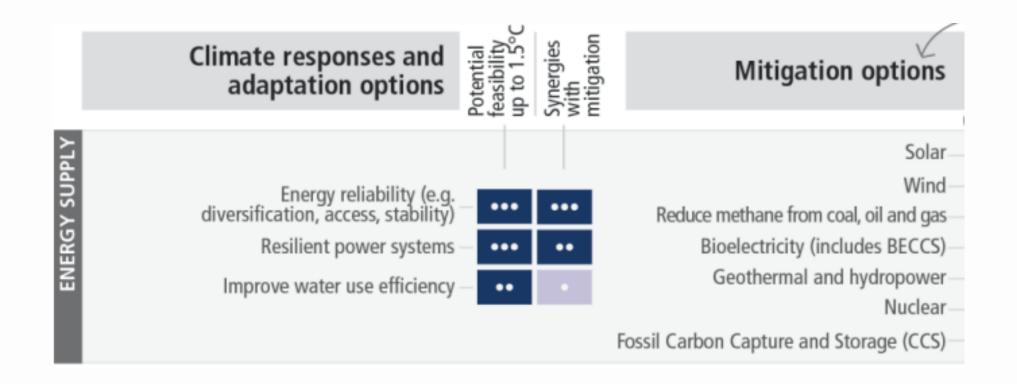
# An update on where things stand

"Human activities, principally through emissions of greenhouse gases, have unequivocally caused global warming, with global surface temperature reaching 1.1°C above 1850–1900 in 2011–2020. Global greenhouse gas emissions have continued to increase, with unequal historical and ongoing contributions arising from unsustainable energy use, land use and land-use change, lifestyles and patterns of consumption and production across regions, between and within countries, and among individuals."

Synthesis Report (SYR) of the IPCC Sixth Assessment Report (AR6) (March 2023)



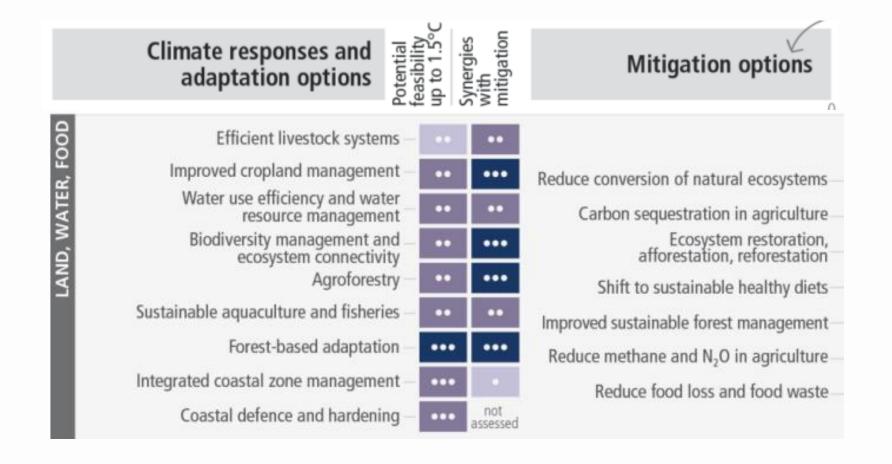
## What can we do—Energy supply



Synthesis Report (SYR) of the IPCC Sixth Assessment Report (AR6) (March 2023)



## What can we do—Land, water, food



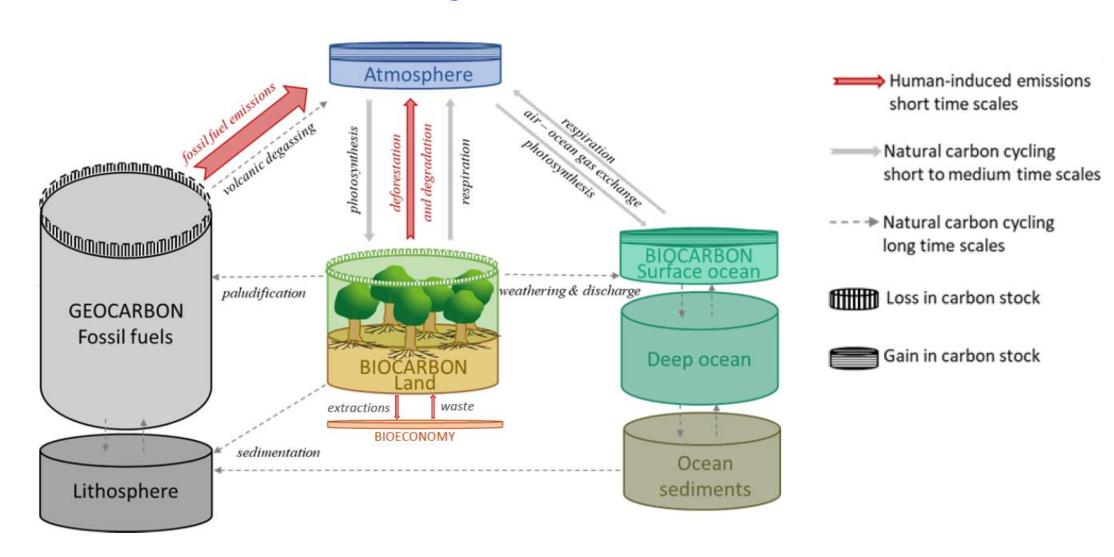


#### What information do we need?

- > We need to understand the relationship between the economy and climate change-> need good data to inform our understanding and what we need to do to mitigate and adopt!
- > SEEA is the statistical framework that allows us to link economic activity and the many facets of climate change.
- > More broadly, an integrated data approach is needed.



# Global carbon cycle understanding natural and human drivers

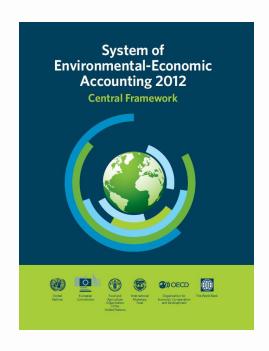




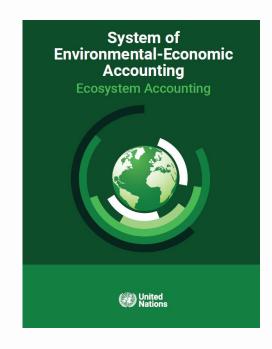
# **SEEA** to inform policies



#### SEEA - statistical standard for the environment



Adopted in 2012



Adopted in 2021



Brings together environmental and economic data using the same accounting principles of the SNA



Credibility, reliability, replicability of data



Consistency over time and space



Common language between different communities



Breaks down silos and fosters collaboration



# SEEA Central Framework and SEEA Ecosystem Accounts – Two sides of the same coin





Measures ecosystems and the services they provide to economic and human activity.



**Forests** 





Rivers

Coral reef



Wetlands



# **SEEA:** Interrelationship of Environment and Economy



# The SEEA supports multiple ongoing initiatives





# **SEEA** and Climate Change

Various climate related policies can be informed by various types of SEEA accounts:

- Informing mitigation and adaptation strategies
- Providing a comprehensive overview of how much carbon is stored per ecosystem type and how this develops over time
- Assessing how climate change impacts economic activities and households
- A proposed new **Data Gaps Initiative** (under the auspices of the G20 Finance Ministers and Central Bank Governors)
  - > 4 priorities endorsed: a.o. Climate Change;
  - > SEEA air emission accounts and energy accounts included



# **SEEA** and Biodiversity



Convention on Biological Diversity

- The Convention of Biodiversity (CBD) adopted the Kunming-Montreal Global Biodiversity Framework and its associated monitoring framework in December 2022
  - > Headline indicators; Binary indicators; Component indicators and Complementary indicators
- Parties are urged to use the headline indicators in their national reports
- Invites the Statistical Commission to support the operationalization of the monitoring framework for the Kunming-Montreal Global Biodiversity Framework
  - > A few indicators are directly related to environmental economic accounts
- The monitoring framework will be reviewed at COP 16 to finish its development
- An Ad-Hoc Technical Expert Group (AHTEG) established to provide advice on the further operationalization of the monitoring framework





# Other developments

- The UN Decade on Ecosystem restoration
- The UN Decade of Ocean Science for Sustainable Development
- Alignment between private and public sector accounting:
  - > international sustainability standards board









