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The missing piece of the puzzle

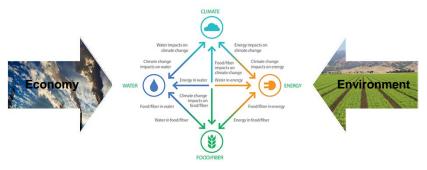
- Every country follows the System of National Accounts and every business relies on a balance sheet
- However, they largely omit the benefits from nature
- We need to integrate the contribution of nature into decision-making.





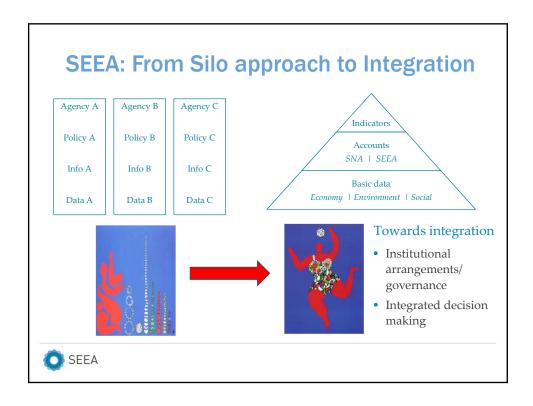
SEEA

Integration for Sustainable Development



- Environmental policy must consider interconnected natural systems
 - E.g. Food, energy, water and climate change **nexus**
- Policies should recognize the links;
 - \triangleright Between different natural systems \rightarrow Integrated environmental information
 - ➤ Between the economy and environment → Integrated environmental-economic information



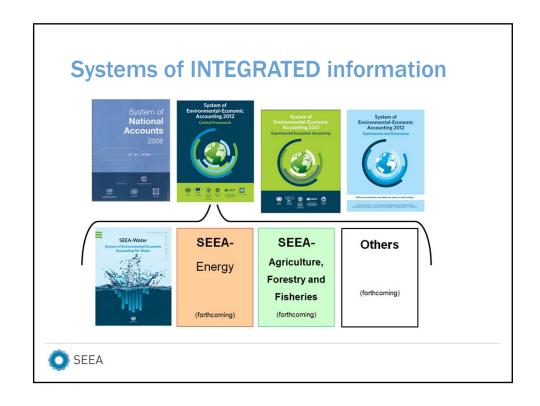


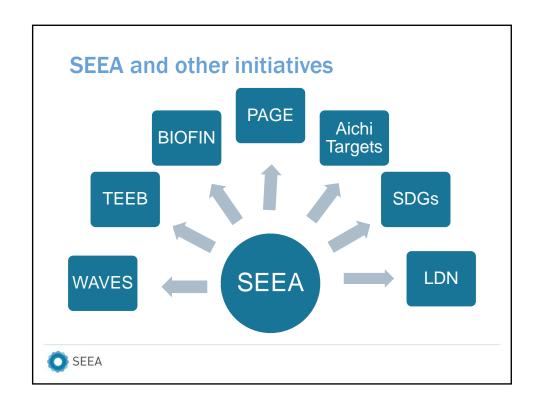
The System of Environmental Economic Accounting (SEEA)

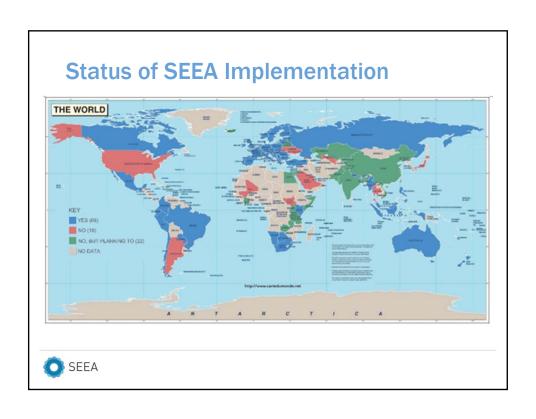
- The SEEA Central Framework was adopted as an international statistical standard by the UN Statistical Commission in 2012 to measure the environment and its relation with the economy
- The SEEA Experimental Ecosystem Accounting complements the Central Framework and represents international efforts toward coherent ecosystem accounting

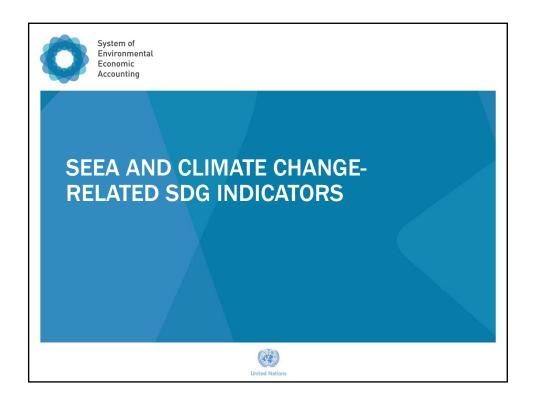


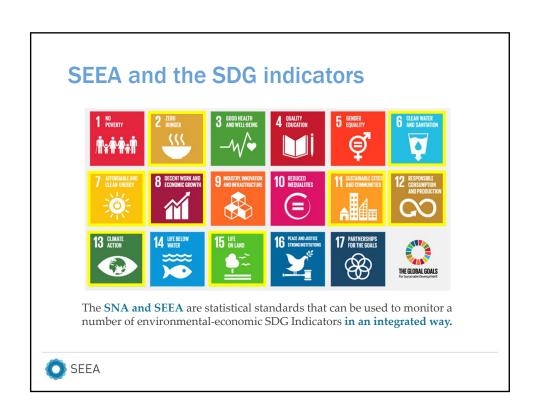












SEEA and the SDG indicators

- Climate-change relevant SDG indicators the SEEA can inform:
 - > 6.4.1: Change in water use efficiency
 - > 6.4.2: Level of water stress
 - > 7.2.1: Renewable energy share
 - > 7.3.1: Energy intensity
 - > 7.a.1: International flows to developing countries in support of clean energy
 - > 7.b.1: Investments in energy efficiency as a proportion of GDP
 - > 9.4.1: CO₂ emission per unit value added
 - > 12.c.1: Fossil-fuel subsidies per unit of GDP
 - > 15.1.1: Proportion of forest area
 - > 15.3.1: Proportion of degraded land
 - > 15.4.2: Mountain Green Cover Index

Bold = Overlap with Task Force core indicators



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- > 9.4.1: CO₂ emission per unit value added

> 12.c.1: Fossil-fuel subsidies per unit of GDB

5 15.1.1: Proportion of forest area

◯ 15.3.1: Proportion of degraded land **◯**

> 15.4.2: Mountain Green Cover Index

Bold = Overlap with Task Force indicators

= Alignment or

progress to align

with SEEA

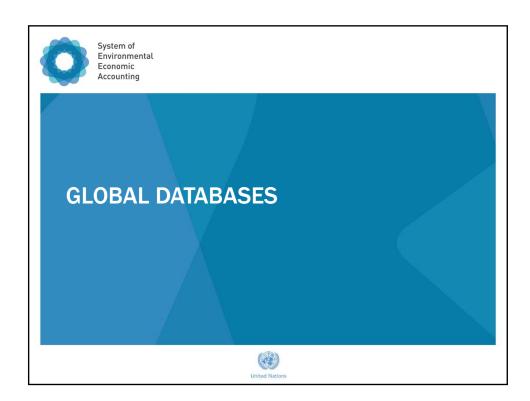


SEEA

SEEA and the SDG indicators

- Alignment of (or current work to align) multiple climate changerelated indicators, including Goal 6 and Goal 15 indicators
- Difference of territory vs residence principle for SDG 7 indicators
 - > Use of residence principle and SEEA facilitates analysis by economic sector, promotes consistent measurement over time
- Proposal to form subgroup on the SEEA within the Interlinkages
 Working Group of the IAEG-SDGs to promote further alignment
 - > Explore potential for SEEA-based indicators for indicators of all tiers
 - $\,>\,$ Complimentary residence based SEEA indicators for Goal 7





UNCEEA Work Programme

- The UNCEEA is the umbrella body for coordinating efforts in environmental-economic accounting
- A Work Programme 2017-2020 was developed by the Bureau of the UNCEEA and takes a 5-pronged approach to global implementation
- For each area of work, different area leads are responsible for; a) acting as a champion and providing leadership, b) developing more detailed work plans and strategies, and c) coordinating with other members of the UNCEEA



Development of Global Databases

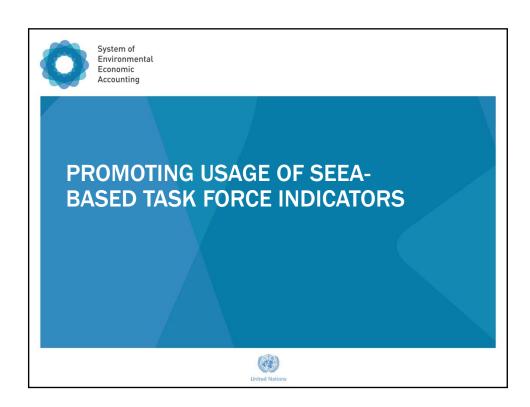
- UNCEEA tasked by UN Statistical Commission to explore global databases, which will facilitate use of SEEA for SDGs
- · Priority databases: energy, air emissions, material flow, land and water
- Energy database (UNSD):
 - » Physical supply and use tables
 - > Energy balances to accounts tool
 - » Next steps: Country testing of tool
- Air emissions database (OECD)
 - > GHGs, air pollutants
 - > Estimated accounts for select countries
 - Next steps: Estimation of 'bridging items' for territory vs residence principle; inclusion of LULUCF emissions; extended estimation to non-Annex I countries



Development of Global Databases

- Land database (FAO)
 - Estimated land cover accounts with global coverage and SEEA classification published
 - Next steps: Collection of official land cover accounts, engagement with UNCCD on indicator 15.3.1.
- SEEA website as potential platform to link the various datasets compiled by different agencies





Promoting Usage of Task Force Indicators

- Residence and territory-based climate change indicators to facilitate different types of analyses and uses
 - > Importance of providing guidance on dissemination and uses of the two methodologies
- Future collaboration and engagement between Task Force and UNCEEA on metadata to facilitate compilation of residencebased indicators
- Key role of global databases for both the SDGs and Task Force indicators



