A satellite night view of Europe, showing the continent illuminated by city lights against the dark background of the night sky and the surrounding oceans.

Perspectives on EO for the EU GreenDeal policies

Ecosystem Accounting

Bruno Smets

ESA Living Planet Symposium 2022, Bonn
Agora session



From standard to use in policies

Standardization phase



Implementation phase

TIER 1

Ecosystem services modelled from global datasets with no or little user input data

TIER 2

Ecosystem services modelled from national datasets customized for national contexts, some validation

TIER 3

Ecosystem services modelled with local data and direct surveys, better validation, and best available tools

Use phase



Accounting for ecosystems and their services in the European Union

(INCA) 2021 edition

Final report from phase II of the INCA project aiming to develop a pilot for an integrated system of ecosystem accounts for the EU

European Environment Agency



European Commission

STATISTICAL REPORTS

eurostat



Scaling up the SEEA implementation

Study EEA (2020):

Extent - 12 EO datasets

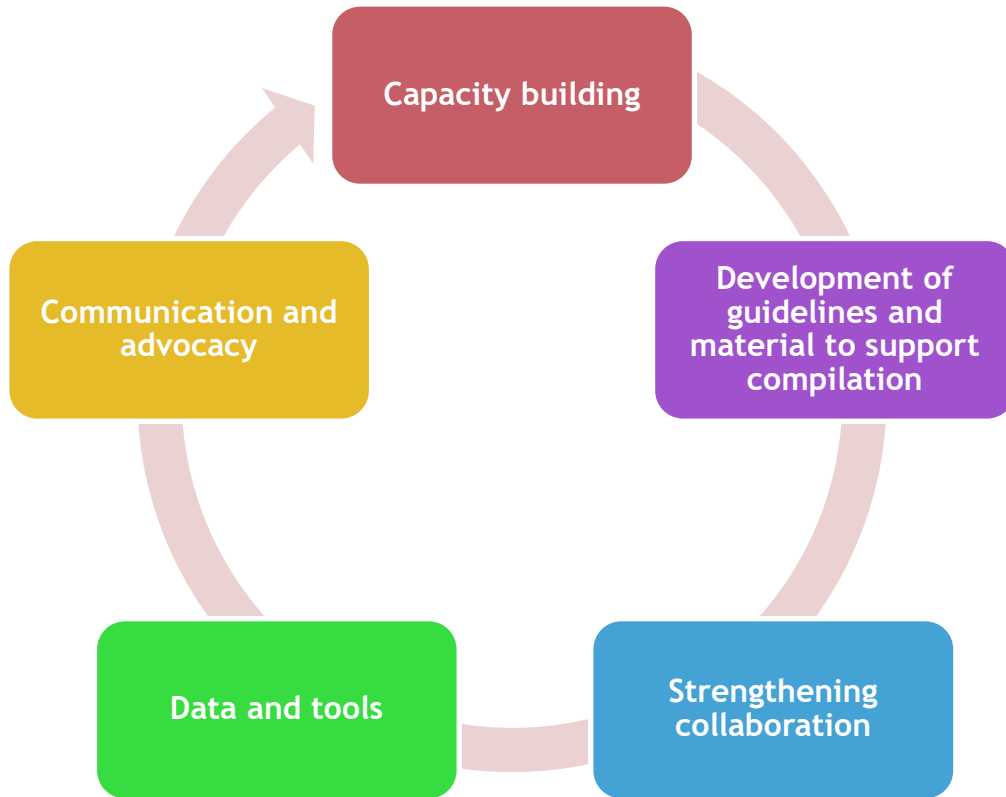
Condition - 28 EO datasets

Servcies - 2 EO datasets



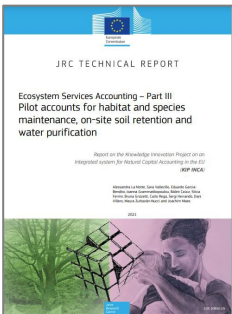
Earth Observations for Ecosystem Accounting

EO4EA





INCA to support mainstreaming SEEA EA in Europe



Support in INCA Phase-3

vito + Ecounting IDEEA Group eftec

1. EU methodological Guidelines
2. INCA Account Tool
3. Validation Methods
4. Demo policy use



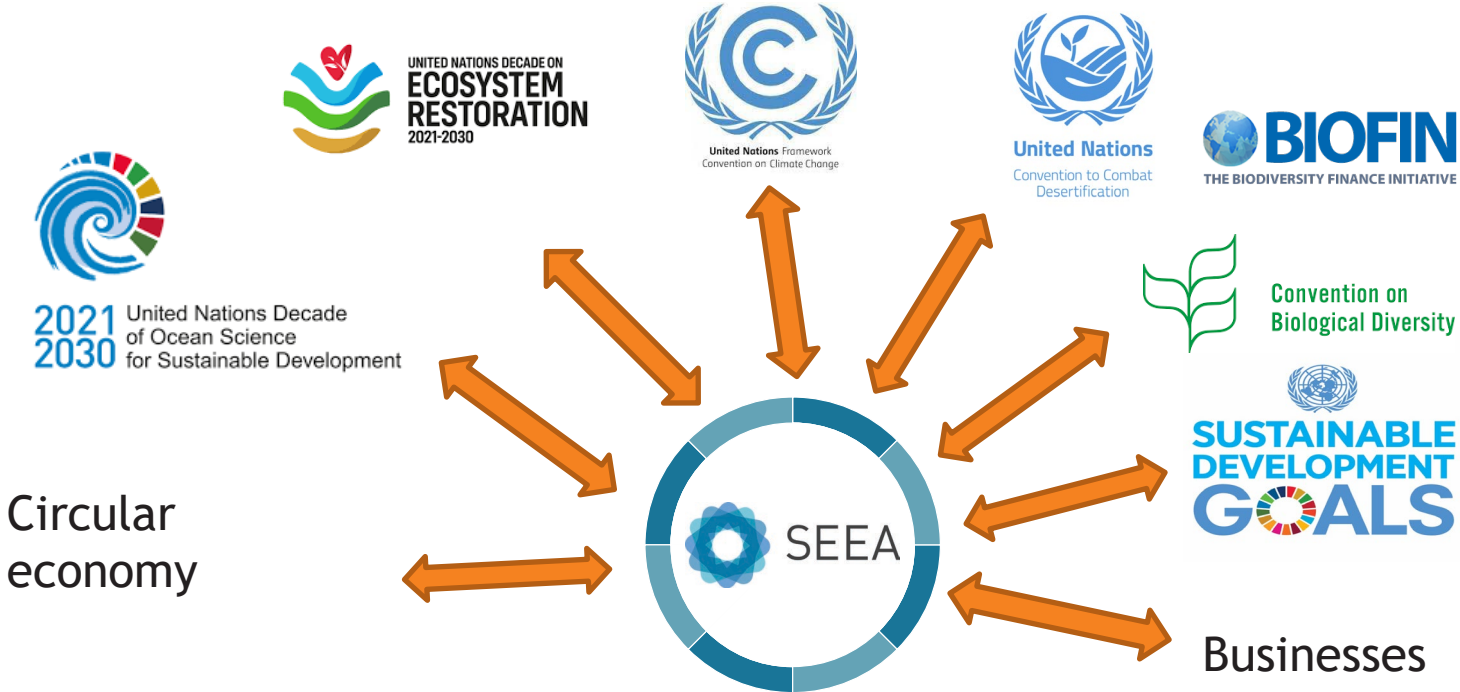
EU or National data-sets

Talk in A2.02.1
Tue 24 May, 10:40
room Bonn

<https://ecosystem-accounts.jrc.ec.europa.eu/>



The SEEA supports multiple ongoing initiatives





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