



System of
Environmental
Economic
Accounting

Natural Capital Accounting and Valuation of Ecosystem Services (NCA&VES) project

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Partners

- Implementing partners
 - United Nations Statistics Division
 - United Nations Environment Programme
 - (CBD)
- Sponsor
 - European Union
 - Partnership Instrument
- Five partner countries
 - Brazil, China, India, Mexico, South Africa
- Project duration
 - 4 years from 2017-2020



Overall objectives

- Advance the knowledge agenda on **Natural Capital Accounting**, in particular ecosystem accounting
- By initiating pilot testing of SEEA Experimental Ecosystem Accounting, with a view to:
 - **Improving the measurement** of natural biotic resources, ecosystems and their services at the (sub)national level
 - **Mainstreaming** biodiversity and ecosystems in (sub)national level policy-planning and implementation
 - Contributing to the development of **internationally agreed methodology** and its use in partner countries.



Work streams

- Piloting ecosystem accounts in physical and monetary terms
- Developing guidelines and methodology
- Indicators
- Business accounting
- Communication and outreach
- Training and capacity development
- Scenario analysis for policy options



The Sustainable Development Goals 'wedding cake'
(<http://eatforum.org/event/eat-stockholm-food-forum-2016/>)

W1: Piloting ecosystem accounts

Approach:	
<u>Flexible:</u>	Depending on country needs
<u>Mainstreaming:</u>	Accounts to inform policy and be sustained
<u>Inclusive:</u>	Build on existing work programs and projects and consolidate past experiences

Deliverables:

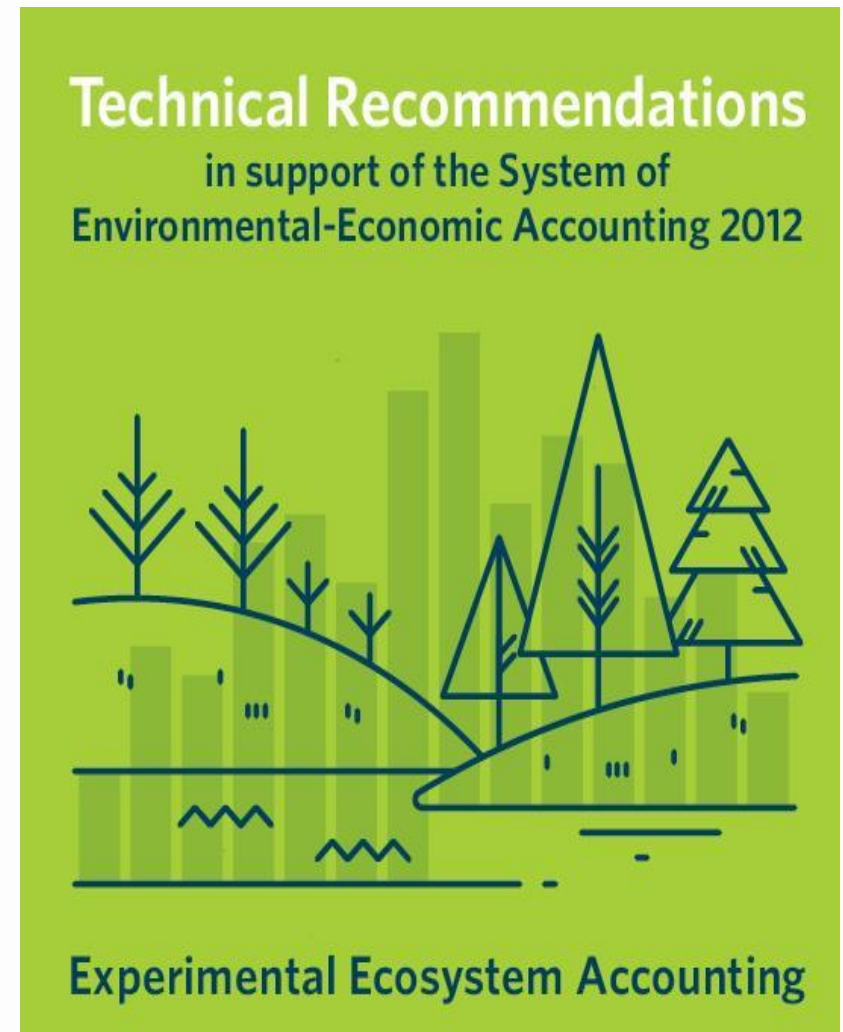
- National assessment (policy mapping)
- National plan
- Compilation of selected ecosystem accounts in physical terms
- Economic valuation of ecosystem services and natural capital
- Policy applications / scenario analysis



Country	Type of accounts	Area	Ecosystem services
Brazil	Services supply	Matopiba region	Water flow regulation and soil retention (erosion control) using the Soil and Water Assessment Tool (SWAT)
China	Service supply (by main ecosystem type); natural resource balance sheets on water, timber and land.	Guangxi; Guizhou National level balance sheets	Multiple services covering provisioning services (e.g. harvested living resources), regulating services (e.g. carbon sequestration) and culture services (e.g. tourism value) for up to 6 ecosystem types
India	Extent; condition; services supply; Soil accounts	Karnataka States	Crops provisioning, nature base recreation and biodiversity
Mexico	Extent; condition; services supply	Aguascalientes + upscale towards national level	Carbon sequestration and storage; water yield; crop provisioning; additional services (tbd)
South Africa	National ecosystem extent account, city-region accounts, protected area accounts, marine ecosystem accounts, species accounts; and service supply in KZN.	National; Kwa Zulu Natal (KZN); selected areas (cities, protected areas)	Multiple services covering provisioning services (e.g. harvested living resources), regulating services (e.g. carbon sequestration) and culture services (e.g. tourism value) for the catchment area in KZN

W2: Guidelines and methodology

- **Objective:** developing methodological standards and guidance documents on the SEEA Experimental Ecosystem Accounting (SEEA EEA)
- **Synergy:** between country and global work programme
 - > Results from pilots linked to research agenda and will contribute to the development on the SEEA EEA 2020
- **Process**
 - > Editorial board; Editor; Consultation process
 - > Under the remit of SEEA EEA Technical Committee



W2: Guidelines and methodology

Deliverables / outputs:

- Annual global forum on advancing ecosystem accounting
 - > Contribute to the SEEA EEA revision process on research agenda
 - > Learn from experiences from other countries
- Expert Meetings on Ecosystem Services and Valuations
- Policy Forum on Natural Capital Accounting
- Guidelines for :
 - > Biophysical modeling
 - > Valuation of ecosystem services and assets
 - > Scenario analysis



W3: Indicators

- **Objective:** Assess how the SEEA is able to inform international and national indicator initiatives
- **Deliverable:** An indicator set based on SEEA Experimental Ecosystem Accounting, in the context of the 2030 Sustainable Development Agenda
- **Process**
 - > Phase 1: Assessment
 - > Phase 2: Global and country consultation
 - > Phase 3: In country testing -> using the developed ecosystem accounts



Assessing the linkages between global indicator initiatives, SEEA Modules and the SDG Targets

Working document

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The contents of this report do not necessarily reflect the views or policies of United Nations and the contributory organisations.

Expert Meeting on SEEA indicators for SDGs and post-2020 Agenda for Biodiversity

Part of the project activity with objectives to :

- Discuss how the **SEEA-relevant indicators can support the Post-2020 Biodiversity Framework**
- **Build consensus around a set of priority SEEA relevant indicators** for SDG targets and Post-2020 Agenda for testing in the case study countries of the SEEA-EEA.
- **Develop a methodological approach** for calculating priority SEEA-relevant indicators using SEEA modules relevant to ecosystems.
- Explore and identify **potential forward-looking indicators based on SEEA** to support the Post-2020 Biodiversity Framework

Timeframe of the project

Sep 2016 –
April 2017

- Design

May 2017 –
April 2018

- Development

May 2018–
Q1 2020

- Implementation

Q2 2020

- Closure + follow-up



Natural Capital Accounting and
Valuation of Ecosystem Services

SEMARNAT



SEEA



Selected events in 2017 & 2018

- Inception and assessment mission to 5 project countries
- Policy Forum on Natural Capital Accounting (2017, 2018)
- Regional Training Workshop on the SEEA Experimental Ecosystem Accounting (2017, 2018)
- Expert meeting on Ecosystem Valuation in the context of Natural Capital Accounting (2018)
- Forum of Experts in Ecosystem Accounting (2018)
- Side-event to UN Statistical Commission and UN World Geospatial Congress (2018)
- Side-event – Convention on Biodiversity COP-14 (2018)

Events in 2019

- Follow up mission in 5 project countries and national training workshop
- Expert meeting on Ecosystem Services (Jan 2019, New York)
- SEEA Indicators meeting Feb 2019, Cambridge)
- Side event of the 50th session of the UN Statistical Commission (March 2019, New York)
- Forum of Experts in SEEA EEA (Jun 2019, New York)
- Business accounting workshop (Q3/Q4 2019)
- Regional training workshop on SEEA EEA (tbc)
- Engagement events (Sino-German Workshop on Biodiversity and Ecosystem Service, Natural Capital Symposium, ESP Conference , etc.)



THANK YOU

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