

A stylized world map with landmasses in olive green and oceans in light blue. The map shows the outlines of continents and major country borders.

## Overview on SEEA-related activities of International Organisations

Joint OECD/UNECE Seminar on SEEA Implementation  
Geneva, 3-4 October 2016

## Actors considered in this presentation

- Eurostat
- FAO
- GEO
- OECD and IEA
- UNDP
- UNECE
- UNEP
- UNSD
- UN-ESCAP
- World Bank

# Eurostat (1/2)

- **Six mandatory SEEA data collections**
  - 1<sup>st</sup> set: air emissions, environmental taxes, material flows
  - 2<sup>nd</sup> set: EPEA, EGSS (green growth, green jobs), physical energy flow accounts
- **One voluntary data collection**
  - Environmental subsidies
- **Pilot project on ecosystem accounts (KIP INCA)**
- **European strategy for environmental accounts 2014-2018**
  - Priorities:
    - Consolidate quality of 1st set modules and implement 2nd set
    - Promote use environmental accounts
    - Improve timeliness (early estimates)
      - material flow accounts at T+7 months, plans for other early estimates
    - Invest in statistical infrastructure elements
      - IO modelling, raw material equivalents, footprints, SDMX

# Eurostat (2/2)

- **Selected activities:**

- Develop methodology (scope PEFA & EGSS, classifications, several task forces)
- Handbooks and guidelines (5 new ones in preparation: EGSS, EPEA, MFA, PEFA, ReMEA)
- ESTP Training Courses (4 courses per year, rotating)
- Tools to countries (e.g. compile energy accounts from energy statistics)
- Co-finance pilot studies and capacity building: EU, EFTA, IPA

- **Upcoming events:**

- 11-12 October: meeting Directors environment, energy & transport statistics (DIMESA)
- 19-20 October: 1<sup>st</sup> meeting Task Force allocation of road transport emissions by industry
- 3-5 May 2017: meeting WG environmental accounts

# FAO

- **Methodological work:**

- **SEEA for Agriculture, Forestry and Fisheries (SEEA AFF)**
- Endorsement by UNCEEA in June 2016 as internationally agreed methodological document in support of the SEEA CF
- SEEA AFF air emissions account revised
- SEEA AFF water account improved
- SEEA AFF document final revision by mid September

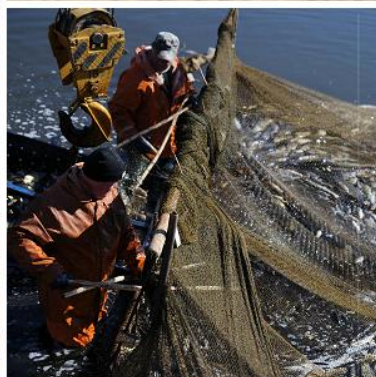
- **SEEA AFF next steps:**

- Implementation in countries through a tiered approach
- SEEA AFF Implementation Guidelines

# FAO

- **Capacity building**

- Training in Uganda on Environmental Economic Accounting and GHG emissions in April 2016
- Training in Morocco on SEEA AFF in December 2016 .....



Additional info:

<http://www.fao.org/economic/ess/environment/seea/en/>

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## GEO Mexico City Ministerial Declaration 2015

2) Affirm that GEO and its Earth observations and information will support the implementation of, inter alia, the 2030 Global Goals for Sustainable Development, the Sendai Framework for Disaster Risk Reduction 2015-2030, **the United Nations System of Environmental and Economic Accounts**, and the United Nations Framework Convention on Climate Change.

11) Resolve to sustain and develop the observing systems required to provide high-quality reference data and time-series Earth observations; address observation gaps; maintain and evolve the GEOSS common infrastructure as a public good to deliver data, information, and knowledge that responds to stakeholders' requests and informs their decision-making processes. **Further resolve to collaborate with statistical agencies and others to integrate Earth observations with social and economic data to multiply their collective value and to contribute solutions that are linked from the global to local levels.**



# GROUP ON EARTH OBSERVATIONS

GEO Work Program 2017 – 2019

A selection of efforts that could potentially contribute to SEEA

- Earth Observation for Ecosystem Accounting (EO4EA)
- EO in service of the 2030 Agenda for SD – SDGs
- Global Forest Observation Initiative (GFOI)
- GEO Carbon and GHG Initiative (GFOI)
- GEO Global Water Sustainability (GEOGLOWS)
- Air Now
- GEO Biodiversity Observation Network (GEOBON)



# OECD

- **SEEA Implementation plan**

- Main drivers: OECD Green Growth Strategy, work on policy integration, structural analysis (compilation of indicators, resource productivity, input-output analysis)
- Primary goal: arrive at a set of core tables according to SEEA for OECD member countries
- Cooperation with World Bank (WAVES) and Eurostat
- Joint IEA/OECD input to the compilation of global energy and air emission accounts

- **SEEA Task Force** to advance the SEEA research agenda and develop templates:

- Priority core tables: air emission accounts, mineral and energy resource accounts in physical and monetary terms
- Other topics: environmental protection expenditure and revenues, environmental taxes and subsidies, material flows, waste generation, water supply and use, waste water discharges by industry

- **Country programmes and projects:** statistical assistance to Kazakhstan, regular workshops with China, joint seminars with UNECE, ...

- **Upcoming events:**

- OECD Working Party on Environmental Information (WPEI): 16-17 November 2016, in Paris

# UNDP

## • Biodiversity Finance Initiative (BIOFIN)

- Provides methodology to measure biodiversity expenditures, assess financial needs and identify solutions
- Addresses the biodiversity finance challenge in a comprehensive manner. The Initiative provides an innovative methodology enabling countries to measure their current biodiversity expenditures, assess their financial needs in the medium term and identify the most suitable finance solutions to bridge their national biodiversity finance gaps.
- **UNDP supports country implementation and the continuous improvement of the BIOFIN methodology**
- UNECE countries participating:
  - Georgia
  - Kazakhstan
  - Kyrgyzstan

### ➤ **i.e. BIOFIN in Kyrgyzstan:**

- National level policy dialogue
- Institutional & Policy Review / Biodiversity Expenditure Review
- Costing of the National Biodiversity Strategy and Action Plan
- Developing a Biodiversity Financing Plan
- 2016-2017 joint plans: Public and Private Environment Expenditure Review with explicit focus on biodiversity and climate change (planning stage now).

# UNDP-UNEP

- **Poverty-Environment Initiative (PEI)**

- P-E mainstreaming: establishing links between environment and poverty for better pro-poor environmental management and achieve SDGs
- Uses SEEA-CF and EEA
- UNECE countries participating:
  - **Kyrgyzstan:** Kyzyl-Unkur forestry sector for pilot study
  - **Tajikistan:** Water and forestry sectors for pilot study
- **Upcoming events:**
  - Towards a Common Vision for Agenda 2030 in Central Asia 31Oct – 2Nov 2016  
(UNDP-UNEP PEI and CAREC partnership)

# UNECE

- **Capacity building activities for EECCA countries:** Environment Statistics and SEEA
- **Platform for exchange of knowledge and experience** (in cooperation with OECD) for all CES member countries
- **Inventory of activities, coordination with other IOs etc.** (UNECE region)
- **Methodological work** (e.g. climate change, measuring extreme events and disasters)
- **Upcoming events:**
  - Expert Forum for Users and Producers of Climate Change-related Statistics (5-7 October 2016, Geneva)
  - Global Assessment of National Statistical System in Kazakhstan (17-21 October 2016, Astana)
  - Expert Workshop “Measuring the value of forests in a green economy” (21 October 2016, Geneva) – see next slide
  - 12<sup>th</sup> Joint Task Force on Environmental Statistics and Indicators (17-18 November 2016, Geneva)
  - 2017 – 2019: advisory missions, national workshops and regional workshops (UNDA funding)

**Expert Workshop, 21 October 2016**  
**Room V, Palais des Nations, Geneva, Switzerland**

# **Measuring the value of forests in a green economy**

## **OBJECTIVE**

Analyze the complementarity of present forest sector valuation systems with approaches developed in the context of SESA, the green economy and the 2030 Agenda for Sustainable Development



## **AGENDA**

- An overview of existing definitions related to the green economy;
- Taking stock of internationally developed natural capital and ecosystem services valuation and assessment methodologies to measure progress in the transition to an inclusive green economy;
- Examples of existing measurement methods at sectoral and national levels;
- Discussion on synergies between green economy and forest sector assessment methodologies.

## **Measuring the value of forests in a green economy**

**Friday, 21 October 2016**

### **Opening and introduction to green economy concepts**

- |               |   |
|---------------|---|
| 09:30 - 09:35 | Introduction by the moderator ( <i>Christoph Dürr, Switzerland</i> )  |
| 09:35 - 09:40 | Opening remarks ( <i>Ivonne Higuero, UNECE</i> )  |
| 09:40 - 09:45 | Opening remarks ( <i>Ekrem Yazici, FAO</i> )  |
| 09:45 - 10:25 | Green economy - related definitions and concepts. Overview of internationally developed green economy assessment methods ( <i>Derek Eaton</i> ) |

### **Green economy assessment methods**

- |               |  |
|---------------|--|
| 10:25 - 10:50 | UNEP Green Economy Progress Index ( <i>Fulai Sheng, UNEP</i> ) |
| 10:50 - 11:15 | OECD Green Growth Indicators ( <i>Mikaela Rambali, OECD</i> )  |

### **Natural capital assessment methods**

- |               |  |
|---------------|--|
| 11:15 - 11:40 | System of Environmental Economic Accounting ( <i>tb</i> )                                |
| 11:40 - 12:05 | Forest National Accounts – Kyrgyzstan ( <i>Juan Pablo Castañeda, WAVES, World Bank</i> ) |
| 12:05 - 12:30 | The Economics of Ecosystems and Biodiversity ( <i>Salman Hussain, TEEB, UNEP</i> )       |

### **12:30 - 14:30 Lunch break**

- |               |  |
|---------------|--|
| 14:30 - 15:15 | Moderated discussion ( <i>Benjamin Simmons, GGKP</i> ) |
|---------------|--|

### **Forest sector assessment methods**

- |               |   |
|---------------|---|
| 15:15 - 15:40 | Overview of assessment systems & criteria and indicators developed by the forest sector ( <i>Kit Prins</i> )  |
| 15:40 - 16:00 | Criteria and indicators for Sustainable Forest Management ( <i>Ludmila Marusakova, Forest Europe</i> )  |
| 16:00 - 16:20 | Montreal Process on Criteria and Indicators for the Conservation and Sustainable Management of Temperate and Boreal Forests ( <i>Guy Robertson, USA</i> ) |
| 16:20 - 17:20 | Moderated discussion ( <i>Ivonne Higuero, UNECE</i> )   |
| 17:20 - 17:25 | Findings and recommendations ( <i>Kit Prins</i> )   |
| 17:25 - 17:30 | Conclusions and closure of the session ( <i>Christoph Dürr, Switzerland</i> )   |

# UNEP, SEEA and the environmental SDGs

- SEEA highly relevant for SCP (Goal 12) and Biodiversity (Goal 15)

- Guidance materials:

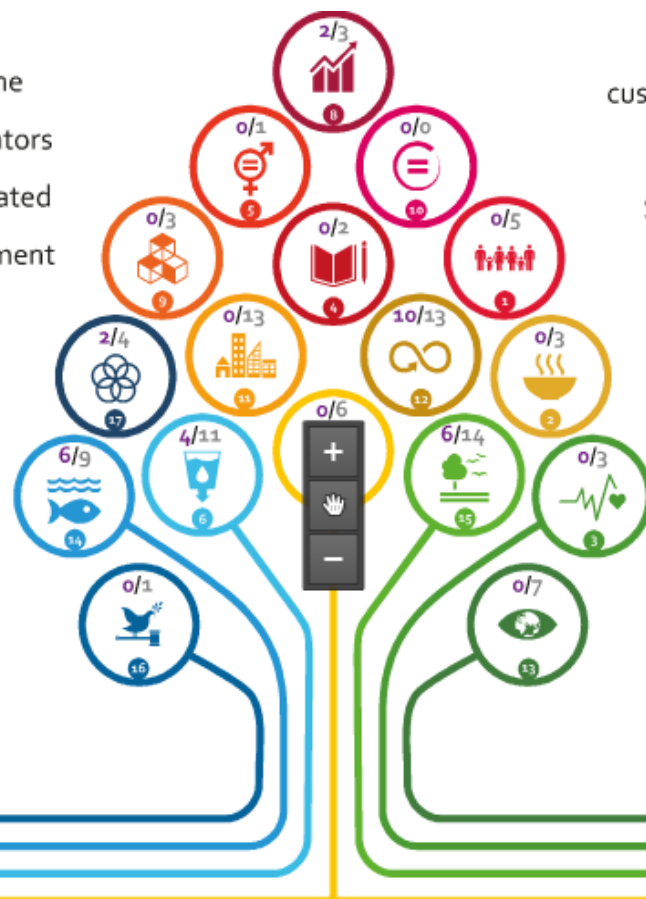
- ‘Monitoring the Shift to Sustainable Consumption and Production Patterns in the context of the SDGs’

([http://www.scpclearinghouse.org/upload/file\\_management/file/170.pdf](http://www.scpclearinghouse.org/upload/file_management/file/170.pdf))

- ‘Guidance on experimental biodiversity accounting using the SEEA-EEA framework’

(<http://www.unep-wcmc.org/news/guidance-on-experimental-biodiversity-accounting-using-the-seea-eea-framework>)

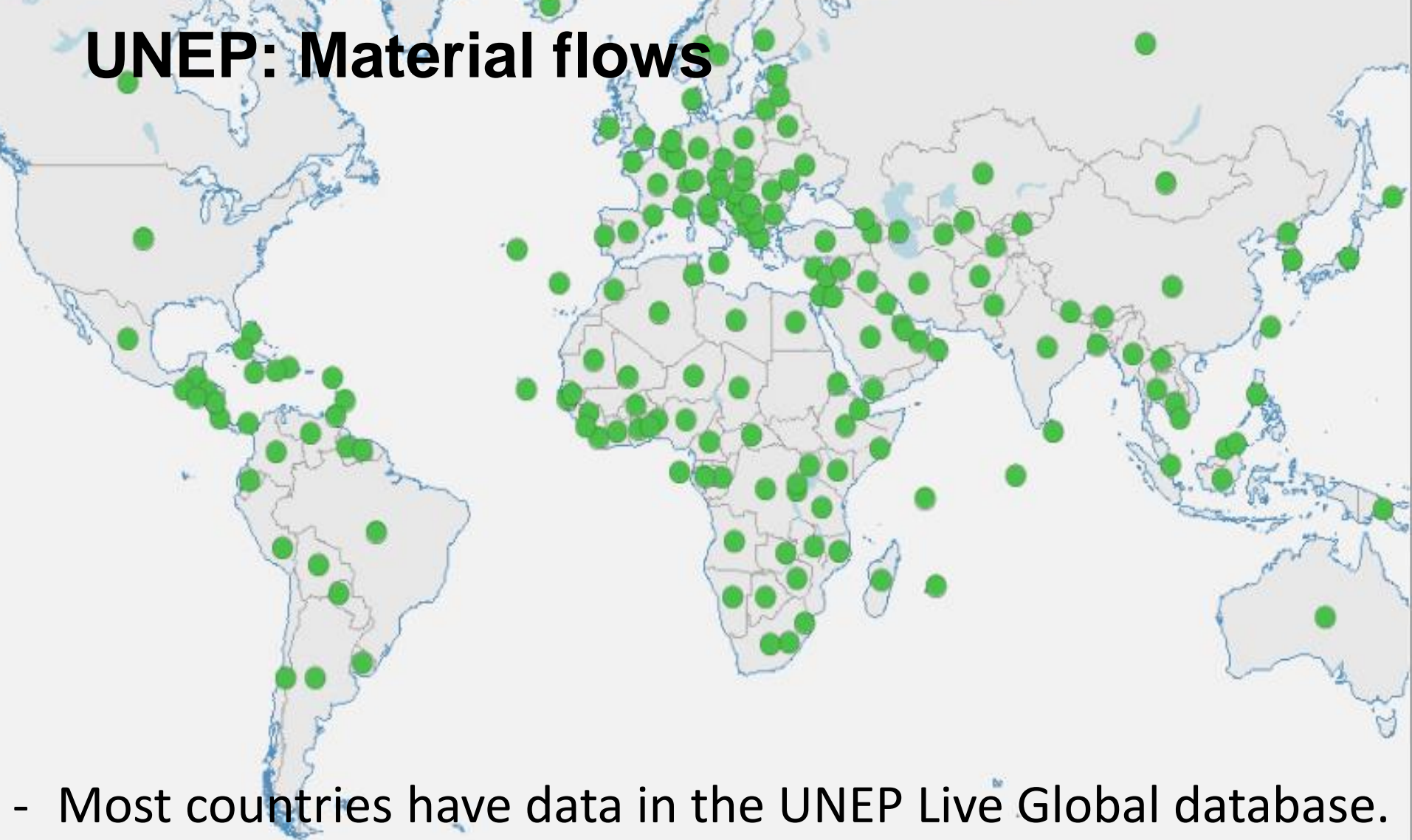
**96** of the  
241 SDG indicators  
are directly related  
to the environment



UNEP is the  
custodian agency for  
**30** of the  
SDG indicators



# UNEP: Material flows



- Most countries have data in the UNEP Live Global database.
- The EU and Japan compile their own accounts.
- Other countries are estimated, but building capacity material flow capacity is a priority moving forward

# UNSD

- **Global implementation strategy: Umbrella for regional / sub-regional strategy and targets by 2020**
  - 100 countries worldwide with ongoing programmes on SEEA Central Framework
  - 50 countries worldwide initiating work on SEEA Experimental Ecosystem Accounting
- **Global Assessment of Environmental-Economic Accounting 2014**
  - Important stocktaking for regional and sub-regional strategies and implementation activities
  - Assessment showed that 54 countries currently have a programme on SEEA and a further 15 have plans
  - National priorities: Energy, EPEA & EGSS (Developed) and Energy, Water & Taxes and Subsidies (Developing)
- **Training materials and training methods (a “blended learning” approach)**
  - Continued technical support to countries in the form of training workshops held across regions in 2014-2016
  - Training in Malaysia and Uganda with a focus on energy and water in late 2016
  - In depth e-learning modules being developed on ecosystems, energy and water; others to be developed in the future based on demand
  - E-learning and in-person courses for ecosystems, energy and water to be held during 2017 for different regions based on demand
  - Training in Brazil, China, India, Mexico and South Africa focused on ecosystem accounting, using e-learning tools as part of an EU funded project on ecosystem accounting; other countries expected to participate as well

# UNSD

## • Methodology and Publications

- SEEA Energy & SEEA Agriculture, Forestry and Fisheries recognized as internationally agreed methodological documents for accounts in support of the SEEA Central Framework. Will be finalized and published.
- SEEA and links to Tourism Satellite Accounts (TSA)
- Technical Notes: Land, Water, Energy, MFA, Air Emissions, EGSS & EPEA being finalized
- Compilation Guidelines on Water Statistics and Accounts: to be revised and completed

## • UNSD projects in countries

- Norwegian funded project on ‘Advancing the SEEA EEA in Pilot Countries’: National Plans developed in Bhutan, Chile, Indonesia, Mauritius, Mexico, South Africa & Vietnam. Pilot accounts developed in Chile, Mexico and South Africa.
- Development Account Project: Assessments, National Plans, capacity building and compilation of selected accounts to take place in Indonesia, Malaysia, Kenya & Uganda
- EU Funded Project: Will begin work with Brazil, China, India, Mexico & South Africa to support the testing and implementation of SEEA EEA in support of policy

## • SEEA and the SDGs

- Promotion of the SEEA as an important framework for the SDG Indicators:

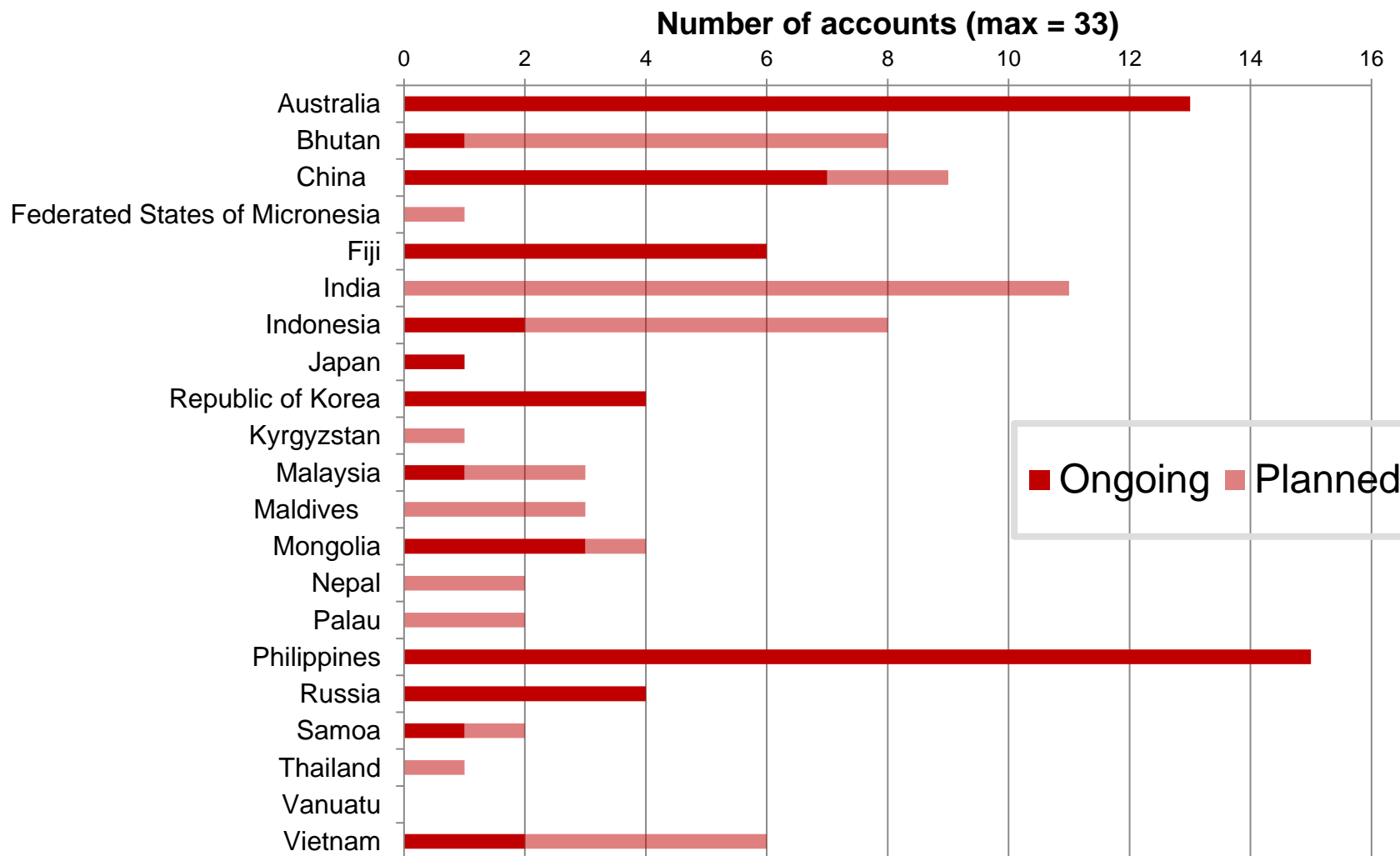
## • Data Compilation

- UNSD and partners are looking into the possibility of beginning global data compilation for SEEA accounts. Likely to start with energy in cooperation with IEA and Eurostat.

## • SEEA and business accounting

- Technical workshop on ‘Alignment of National and Corporate Level accounting in the context of the SDGs’ to be held in The Hague, December 2016

# UN-ESCAP: Asia and the Pacific: SEEA progress\*



\*Preliminary, on the basis of available information (ESCAP)

# UN-ESCAP\* & the SEEA

## 1. Basis for involvement [ESCAP Committee on Statistics]

- Policy relevance as major driver
- Lack of capacity a major constraint
- Sharing of knowledge and experiences as one means of addressing gaps

## 2. Resulting focus of ESCAP's work

- SEEA as a tool for strengthening environment statistics for national decision-making, including on the SDGs
- Focus on capacity strengthening

## 3. ESCAP's approach to strengthening SEEA-related capacity

- Assessment, scoping and prioritization
- Work planning
- Training and technical assistance

# UN-ESCAP: Current SEEA-related activities

Stage	Countries
Requests	Myanmar, Kiribati, Viet Nam, Philippines
Ongoing	Sub-regional assessment workshops (South-East Asia and South Asia)
Assessment	FSM, Malaysia, Maldives, Palau, Samoa, Vanuatu
Training	Malaysia (with UNSD) Pacific Sub-region
Implementation	Fiji, Nepal
Often prioritized accounts	Water, energy, waste



# World Bank

- Wealth Accounting and the Valuation of Ecosystem Services (WAVES)
  - Adopt and implement accounts that are relevant for policies and compile a body of experience
  - Develop approaches to ecosystem accounting methodology
  - Establish a global platform for training and knowledge sharing
  - Build international consensus around natural capital accounting
  - Following SEEA-CF and EEA
- No partner countries in the UNECE region. First phase (2012-2016), countries include Botswana, Colombia, Costa Rica, Guatemala, Indonesia, Madagascar, the Philippines, and Rwanda.
- **Upcoming events:**  
**Forum on Natural Capital Accounting for Better Decision-making**  
organized by WAVES and the Netherlands Ministry of Foreign Affairs.  
(Nov 22-23), The Hague

# WAVES: Results

## Accounts Available in WAVES Countries

Botswana	Colombia	Costa Rica	Madagascar	Philippines
<div> <p><b>Water</b> 2010/11, 2011/12</p> </div>	<div> <p><b>Water</b> 2012</p> </div>	<div> <p><b>Forests</b> 2008-2013 (Asset accounts), 2011 (Flow accounts)</p> </div>	<div> <p><b>Water</b> 2001 – 2008 In progress</p> </div>	<div> <p><b>Mineral</b> Gold, copper, nickel and chromite (2001-2012) – in progress</p> </div>
<div> <p><b>Minerals</b> 1994 - 2012</p> </div>	<div> <p><b>Water: Tota Lake Watershed</b> 2012</p> </div>	<div> <p><b>Water</b> 2000-2014 (Asset accounts), 2012 (Flow accounts)</p> </div>	<div> <p><b>Forest</b> 2005, 2010, 2013</p> </div>	<div> <p><b>Ecosystem: Laguna de Bay</b> Between 1997 and 2014 (varies by account)</p> </div>
<div> <p><b>Energy</b> 2010/2011 - 2014/2015</p> </div>	<div> <p><b>Ecosystem: Chinchiná River</b> Between 2010 and 2014 (varies by account)</p> </div>	<div> <p><b>Energy</b> 2011-2013</p> </div>		<div> <p><b>Ecosystem: Southern Palawan</b> Between 2001 and 2014 (varies by account)</p> </div>
<div> <p><b>Macroeconomic indicators of sustainable development</b> In progress</p> </div>	<div> <p><b>Ecosystem: Orinoquia</b> In progress</p> </div>	<div> <p><b>Ecosystem: National</b> 1997-2008-2013</p> </div>		
<div> <p><b>Tourism component of land and ecosystem accounts</b> In progress</p> </div>	<div> <p><b>Forest</b> 1990 - 2012</p> </div>			<div> <p><b>Mangrove</b> Planned</p> </div>
	<div> <p><b>Land</b> 2000 - 2009</p> </div>			

# Moving to WAVES+ (2016-2020)

**Broad objectives remain the same. WAVES+ will:**

- Add **8 new Core Implementing Countries (CICs)** to build a critical mass of developing countries implementing NCA;
- Implement **2 – 4 regional programs** to strengthen capacity to understand and apply NCA
- Promote the **global adoption** of policy-relevant NCA by:
  - Contributing to the methodology of ecosystem accounting
  - Strengthening policy use of NCA
  - Collaborating with partners in the public, business and financial sectors



**Thank you very much for  
your attention!**

