

Development of Training Materials

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Overview of presentation

- The need for training and capacity building
- Audiences for training materials
- Existing training materials
- Planned training materials
 - Focus and main components
 - Review and testing
- Capacity development beyond training
- Coordination of activity

The need for training and capacity building

Demand-driven

- High demand from WAVES core partner countries as well as other countries partnership

Needed quickly

- WAVES countries have a limited time frame in which to develop accounts and policy analyses

Pool of experts available to assist is small

- A range of expertise is needed and no expert knows it all
- Need training material that can be used by others (e.g. valuation material that can be used by a water accounting specialist)

Need to think beyond training

- There is a limit to what can be learnt in training courses

Audiences for training materials

By type of agency

- Central planning
- Treasuries/finance
- Environment
- Agriculture, forestry, fisheries
- Mining/minerals
- Physical sciences
- Statistical

By position in agency

- Agency heads and other senior leadership
- Program managers
- Data suppliers
- Account producers
 - National accounts
 - Environment statisticians
 - Physical scientists, etc.

Audience for training materials

Understanding the audiences and their needs is key.

Different audiences require different levels of training:

- Beginner (“kick-start”), level 1
- Intermediate, level 2
- Advanced, level 3

Also a “level 0” which is not training *per se* but communication of key messages and stories needed for media, general public, politicians, etc.

Existing training material

National accounts

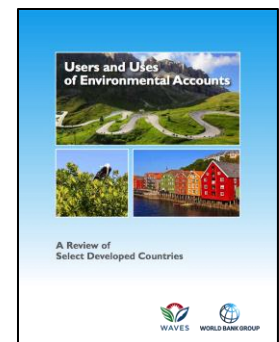
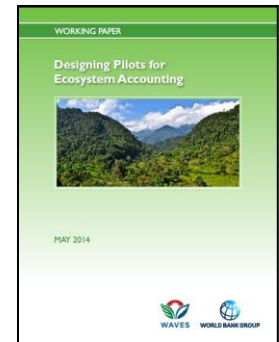
- IMF course, UN materials, OECD, etc.

Environmental accounts (SEEA Central Framework)

- World Bank, Uses and users of environmental accounts, workshop materials
- UN Train-the-trainers, draft implementation guide, international recommendations workshop materials
- Eurostat materials (e.g. on EGSS)
- Various materials from national statistical offices
- Australian National University/ ABS course

Ecosystem accounts (SEEA Experimental Ecosystem Accounting)

- World Bank, designing pilot studies, workshop materials
- UN workshop materials, various in development
- Convention on Biological Diversity Quick Start Package
- Statistics Canada MEGS Teachers Kit
- Australian National University/ ABS course



Assessment of existing materials

A variety of material already exists for SNA and SEEA Central Framework (and particularly for water and energy accounting).

Material for SEEA Experimental Ecosystem Accounting is limited.

- The Quick Start Package from the Convention on Biodiversity has recently become available (October 2014)
- Apart from World Bank more material is in the pipeline (e.g. UNSD, US EPA).

Most material for producing accounts is for beginner (level 1) or intermediate (level 2).

Much of the material is scattered, not readily available and has relied on informal networks for sharing material.

- Recent consolidation in the train-the-trainers (July 2014)

Material on policy uses of accounts is limited.

- Recent review on uses and users of accounts (May 2014)

Planned training material for WAVES

- Consolidation and use of existing materials to suite the face-to-face training needs of WAVES countries (e.g. for SEEA Central Framework, SEEA Experimental Ecosystem Accounting and SEEA-Water)
- Development of new materials and training modules for particular aspects of accounting
 - Modules will have a common length and format enabling them to be combined in different ways to suite the needs of countries
 - Module will have a practical emphasis

Focus of World Bank

Develop training modules and supporting resources for:

- Valuation
- Policy applications
- Biophysical modelling
- Scaling (up and down) and integration (of economic and environmental data)
- Water, ecosystems, forests and marine ecosystems

Components of training by service and asset type

	Policy use (including needs)	Scale and integration	Biophysical modelling	Valuation
Services	<p>Counties to determine the ecosystem assets - either particular areas (e.g. river basins, administrative areas) or ecosystems (e.g. wetlands, forests) – and services of most relevance to them, which will then be used to prioritise the development of materials. Coordination between main developers needed to ensure efficient use of resources.</p> <p>Focus will be on what is there is to practically assist countries now and to get a range of level 2 (intermediate) materials for most components by May 2015.</p>			
- Water provision				
- Water purification				
- Water flow regulation				
- Carbon seq.				
- Food and fibre provision				
- Recreation				
Natural capital/asset				
- Ecosystem 1 (e.g. forests)				
- Ecosystem 2 (e.g. coral reefs)				
- Ecosystemx				

Services could be grouped by ecosystem (i.e. matrix of ecosystem X service)
 Need to consider “intermediate flows”. **Not all boxes would have training.**

Modes of delivery

- Face-to-face workshops – power point presentations, speaking notes and exercises
- Additional guidance materials/self assessment tools
- On-line courses
- Support for those in countries that are learning by doing

Workshop modules

Content of modules:

- Statement of objective (e.g. at the end of this module you will understand
- Presentation (i.e. Powerpoint slides)
- Hands on exercise(s)
- List of available supporting materials (e.g. guidelines, key references)
- Expected prior learning

Catalogue of modules

- Component description (e.g. water provisioning service), level (e.g. beginner), status (e.g. Draft V. 1, Reviewed and tested V. 2, Finalised V. 3).

Review and testing

- Progress on materials will be available for review by:
 - PTEC (October 2014)
 - London Group (October 2014)
 - Others as appropriate
- Materials should be tested with countries at a combination of national and regional workshops/seminars (e.g. Already scheduled workshops)

Capacity building

- Delivery of training and reference materials is a beginning not an end.
- Need consider how to better help those that are learning by doing:
 - On-line support
 - Specific technical assistance
 - Communities of practice
- On-going profession development of staff is key. This could include:
 - Exchanges or placements of staff in agencies actively producing accounts
 - Exchanges or placements of staff between account producing and using agencies
 - Higher level studies at universities

Project management

A small group consisting of project staff and other experts met at the World Bank in August 2014 to discuss this project.

- Sofia Ahlroth, Ken Bagstad, Nicolas Bertrand, Jaun-Pablo Castaneda, Lars Hein, Sonu Jain, Glenn-Marie Lange, Urvashi Narain Carl Obst, Bo Sterman, Michael Vardon, Jeff Vincent (Michael Bordt and Mark Eigenraam from the ANCA project were invited but were unable to attend).
- This group, including those unable to attend, will be consulted during the course of the project.
- Sofia Ahlroth is the project manager and Michael Vardon is the projects technical coordinator

Coordination

There is a great deal of activity in training and capacity building:

- [Advancing Natural Capital Accounting \(UNSD, UNEP, CBD\)](#)
- [Quick Start Package \(CBD\)](#)
- [Mapping and Assessment of Ecosystems and their Services \(MAES\)](#)
- [The Biodiversity Finance Initiative \(UNDP\)](#)
- [Project for Ecosystem Services \(ProEcoServ\)](#)
- [London Group on Environmental Accounting](#)

A need for coordination between initiatives

The ANCA and World Bank projects need to coordinate

- Mechanisms for this are being discussed

Questions to PTEC

Are the priorities identified appropriate?

Are there other training materials and projects that need to be considered?

Are you able to contribute to the development of training materials?

Bonus slides!

National accounting training

Environmental accounting training

Ecosystem accounting training

Country focus'

National accounts training

IMF National Accounts Statistics (NAS)

- Two-week course
- Covering the “theoretical and practical aspects in the compilation of national accounts statistics based on the conceptual framework of The System of National Accounts 2008 (2008 SNA).”
- Targeted at “compilers of national accounts statistics employed by agencies responsible for official national accounts data.”
- Next courses
 - March 9, 2015-March 20, 2015, Brasilia, Brazil (Spanish)
 - June 29, 2015-July 10, 2015 Vienna, Austria (English and Russian)

<http://www.imf.org/external/np/INS/english/pdf/catalog2013.pdf>

UN materials

- E.g. <http://unstats.un.org/unsd/nationalaccount/default.asp>

Environmental accounts training

Environmental accounts (SEEA Central Framework)

- UN Pilot Training of Trainers for the worldwide implementation of the SEEA

http://unstats.un.org/unsd/envaccounting/workshops/TOT_2014/lod.asp

- UN draft Implementation Guide
- UN Workshop materials
 - E.g. Malaysia <http://www.unescap.org/events/first-sub-regional-course-system-environmental-economic-accounting-seea>
- Eurostat
- ABS-ANU material

Ecosystem accounts training

WAVES

- Designing Pilots for Ecosystem Accounting

<http://www.wavespartnership.org/sites/waves/files/documents/PTEC2%20-%20Ecosystem.pdf>

- Workshop materials (e.g. for the Philippines)

UN workshop materials

- E.g. Modelling Approaches and Tools for Testing of the SEEA Experimental Ecosystem Accounting

- <http://unstats.un.org/unsd/envaccounting/seeaRev/meeting2013/lod.htm>

ABS-ANU material

Ecosystem accounts - Ongoing country work

- Philippines
Watersheds and coastal areas: services from water and forests, in particular water provision and soil erosion protection services. Policy use: management of protected area
- Colombia
Watersheds: services from water and forests, in particular water provision and soil erosion protection services. Policy use: land use planning
- Botswana
Watersheds: provisioning of water, habitat, soil conservation. Policy use: management of protected areas and surrounding areas

Thank you!

www.wavespartnership.org

