



# TEEB and the Role of SEEA Experimental Ecosystem Accounting



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17 June 2013

International Conference

“Global Implementation Programme for the SEEA”

United Nations Secretariat, New York



## *Overview*

- The TEEB initiative and TEEB Country Studies
- TEEB and natural capital accounting
- Natural Capital Accounting and Business
- Linking TEEB, SEEA and WAVES

# The Economics of Ecosystems & Biodiversity



## The TEEB Initiative

  
G8 2007  
Environment Ministers Meeting  
Potsdam, 15-17 March 2007



**“Potsdam Initiative – Biological Diversity 2010”**  
... the economic significance of the global loss of biological diversity ...



**TEEB Interim Report  
CBD COP-9, Bonn, May 2008**

**TEEB Phase I**



**TEEB Main Reports  
Nov. 2009 – Oct. 2010  
CBD COP-10, Nagoya**

**TEEB Phase II**

**Implementation & Facilitation:**  
TEEB Country Studies & WAVES, local TEEB initiatives, sector and biome studies, TEEB for Business Coalition, TEEB Outreach and Communications

**TEEB Phase III**



## TEEB's Approach



**1. Recognizing value**



**2. Demonstrating value**



**3. Capturing value**

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## *TEEB implementation*

- **National TEEB studies:** e.g. Brazil, China, Finland, Georgia, Germany, India, Mexico, Netherlands, Norway, Peru, Portugal, UK, Saint Lucia, South Africa, Sweden
- **Sub-national TEEB studies:** Polish TEEB for Cities, TEEB Flanders, TEEB Reykjavík, TEEB Kamschatka
- **Regional TEEB studies:** Heart of Borneo, Nordic TEEB, TEEB ASEAN, Caucasus?
- **TEEB for Business:** NL TEEB for Business, TEEB Germany for Business, TEEB for Business Brazil



## *TEEB implementation – Training and Guidance*

- Regional TEEB workshops
- Training package
- TEEB Guidance Manual



World Business Council for  
Sustainable Development

**giz**



# The Economics of Ecosystems & Biodiversity



*Guidance Manual for TEEB Country Studies (TCS)*

Focus: countries who would like to do a TCS

Target audience: Person(se) in charge of conducting a TCS

Format:

- Guidance to address practical problems (process and contents)
- Experience, obstacles from on-going projects are being integrated

Version 1.0 launched on 28 May 2013:

<http://www.teebweb.org/resources/Guidance-Manual-Teeb-country-studies/>



# The Economics of Ecosystems & Biodiversity



## *Guidance Manual for TEEB Country Studies (TCS)*

1. What is TEEB and how does it integrate into the Policy Landscape (including SEEA and WAVES)
2. How to select the scope and objectives of the TCS and how to set up the process
3. Main study phase: Six Steps – valuation embedded in a broader process

**STEP 1. Refine the objectives of the TCS by consultations on the key policy issues with stakeholders**

**STEP 2. Identify the most relevant ecosystems and ecosystem services**

**STEP 3. Define information needs and select appropriate methods**

**STEP 4. Assess and value ecosystem services**

**STEP 5. Identify and outline pros and cons of policy options, including distributional impacts**

**STEP 6. Review, revise, and report study results**

4. How to use the findings and recommendations of the TCS



# The Economics of Ecosystems & Biodiversity



## *EC-funded TEEB National Implementation project:* Reflecting the Value of Ecosystems and Biodiversity in Policymaking

- **Objective:**

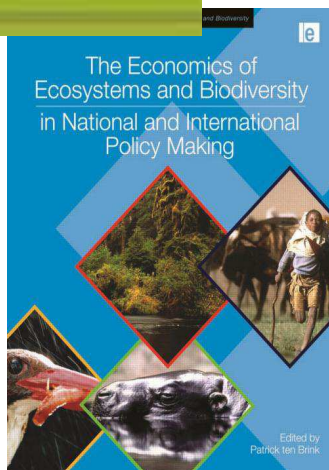
*“draw attention to the economic benefits of biodiversity, highlighting the growing cost of biodiversity loss and ecosystem degradation and drawing together expertise from the fields of ecosystem science, economics and development policy to support the mainstreaming of biodiversity and ecosystem considerations in national policymaking”*

- Launched at CBD COP-11 side event on “How to factor natural capital into decision making and leverage biodiversity finance?” in October 2012
- Implemented over **three years** in 5 countries:  
Bhutan, Ecuador, Liberia, Philippines, Tanzania
- **Three components:**
  - 1.) Guidance Material and Training
  - 2.) Implementation of country projects
  - 3.) Communication and Outreach





## TEEB on natural capital accounting



- Conventional economic aggregates generated through national accounting, such as GDP, do not reflect the values of nature
- TEEB has been calling for the development of natural capital accounts (see Chapter 4 in TEEB National, TEEB 2010a and 2010b)
- Generic recommendations on NCA can be taken forward in TCS if this responds to countries' priorities



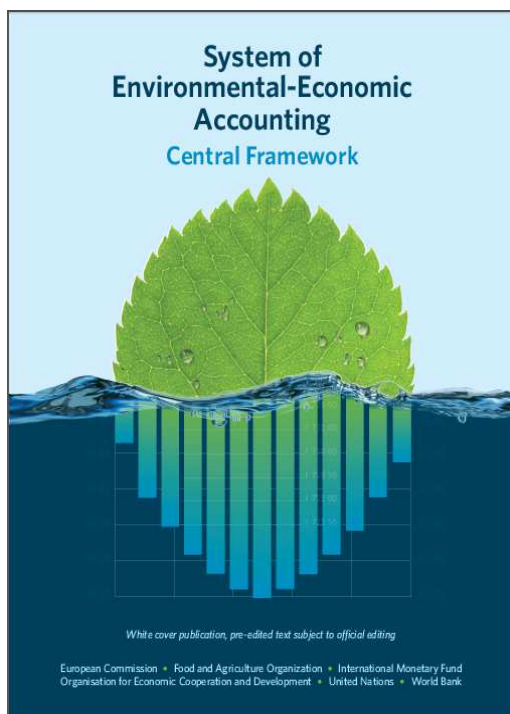
## Natural Capital Accounting in Business



	Water use	GHGs	Land use	Air pollution	Waste	TOTAL	
	€ million	€ million	€ million	€ million	€ million	€ million	% of total
	33%	32%	26%	7%	2%		100%
<b>TOTAL</b>	47	47	37	11	3	<b>145</b>	100%
<b>PUMA operations</b>	<1	7	<1	1	<1	<b>8</b>	<b>6%</b>
<b>Tier 1</b>	1	9	<1	1	2	<b>13</b>	<b>9%</b>
<b>Tier 2</b>	4	7	<1	2	1	<b>14</b>	<b>10%</b>
<b>Tier 3</b>	17	7	<1	3	<1	<b>27</b>	<b>19%</b>
<b>Tier 4</b>	25	17	37	4	<1	<b>83</b>	<b>57%</b>
<b>EMEA</b>	4	8	1	1	<1	<b>14</b>	<b>10%</b>
<b>Americas</b>	2	10	20	3	<1	<b>35</b>	<b>24%</b>
<b>Asia/Pacific</b>	41	29	16	7	3	<b>96</b>	<b>66%</b>
<b>Footwear</b>	25	28	34	7	2	<b>96</b>	<b>66%</b>
<b>Apparel</b>	18	14	3	3	1	<b>39</b>	<b>27%</b>
<b>Accessories</b>	4	5	<1	1	<1	<b>10</b>	<b>7%</b>



## Role of SEEA Experimental Ecosystem Accounting





## TEEB, SEEA, WAVES: linkages...

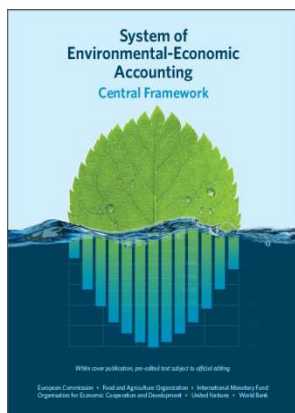
- **Encouragement to engage in WAVES** and parallel approaches
- TEEB country studies and national engagement in WAVES: **compatible initiatives with significant synergies**
  - A WAVES project may be informed by a TEEB country study
  - A TEEB Country Study could provide specific recommendations regarding the implementation of ecosystem accounting
- **Sequentiality?**



## TEEB, SEEA, WAVES: linkages...

- Specifically: prioritization exercise undertaken in TCS can inform national implementation of SEEA
- National implementation of SEEA can support the development of environmental-economic indicators relevant for tracking country progress toward the policy goals identified through TCS
- SEEA, supported by the WAVES process, provides a common general structure for TEEB in advancing its recommendations

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- SEEA, WAVES and UNEP TEEB are developing joint note to explore:
  - common concepts (e.g. natural capital)
  - main steps of implementation (many of which are complementary)
  - links between the initiatives
  - joint vision
- Two-page information box already included in GM
- Cooperation at the country level

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