

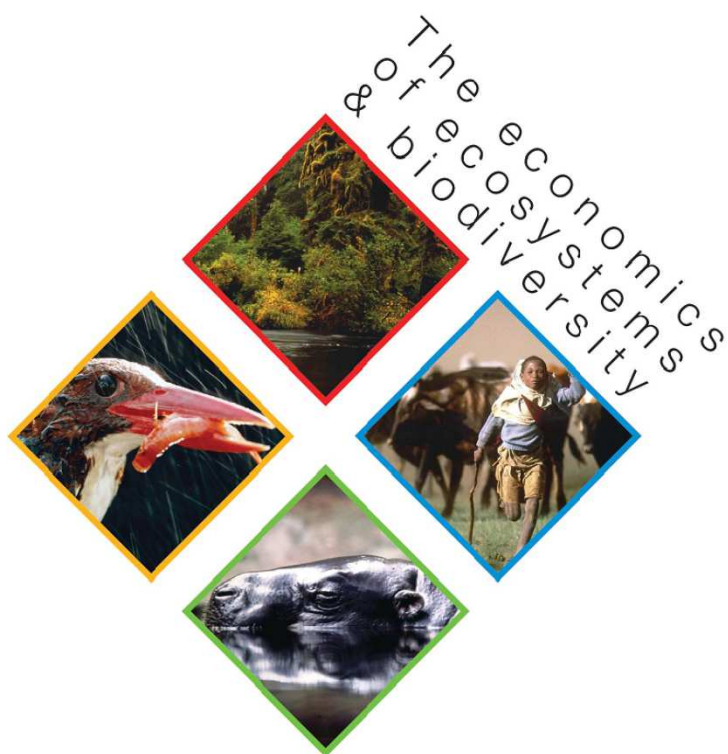


## **TEEB: The Economics of Ecosystems and Biodiversity**

### **Overview of Process, Content and Approach**

Heidi Wittmer

**TEEBAgriFood writers workshop**  
Paris, 9-10 May 2016



# The Economics of Ecosystems & Biodiversity

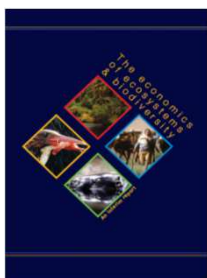


## TEEB's genesis ...



**“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 Climate Issues Update  
Strömstad September 2009.**



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

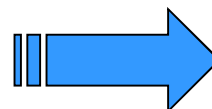




## TEEB's main reports



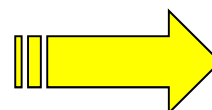
Ecological & Economic Foundations



Policy Evaluation for National Policy Makers



Assessment and Policies for Local and Regional Policy Makers



Business Risks & Opportunities



Synthesis

**TEEB's mission is to make Nature economically visible**



## TEEB is not....

- It is not a research project: very little original research
- Assessment: actors, timelines, way of planning
- no new methods developed

## What TEEB is aiming for...

- Synthesis of existing knowledge on economics of ecosystems and biodiversity -> a type of assessment
- Building on the MEA, refining the part on benefits, values and response options.
- Prepared for different users in public, politics and business
- Active and worldwide dissemination with the purpose of awareness raising and mainstreaming



## Process, methodology, approach

**Process:** Time pressed, dynamic, politically timed, multi-actor

### **Methodology of compiling the reports:**

- based on MA,
- framework for developing response options,
- open process,
- quality control: extended peer review,
- advisory board and coordination group overseeing process

**Content:** overview

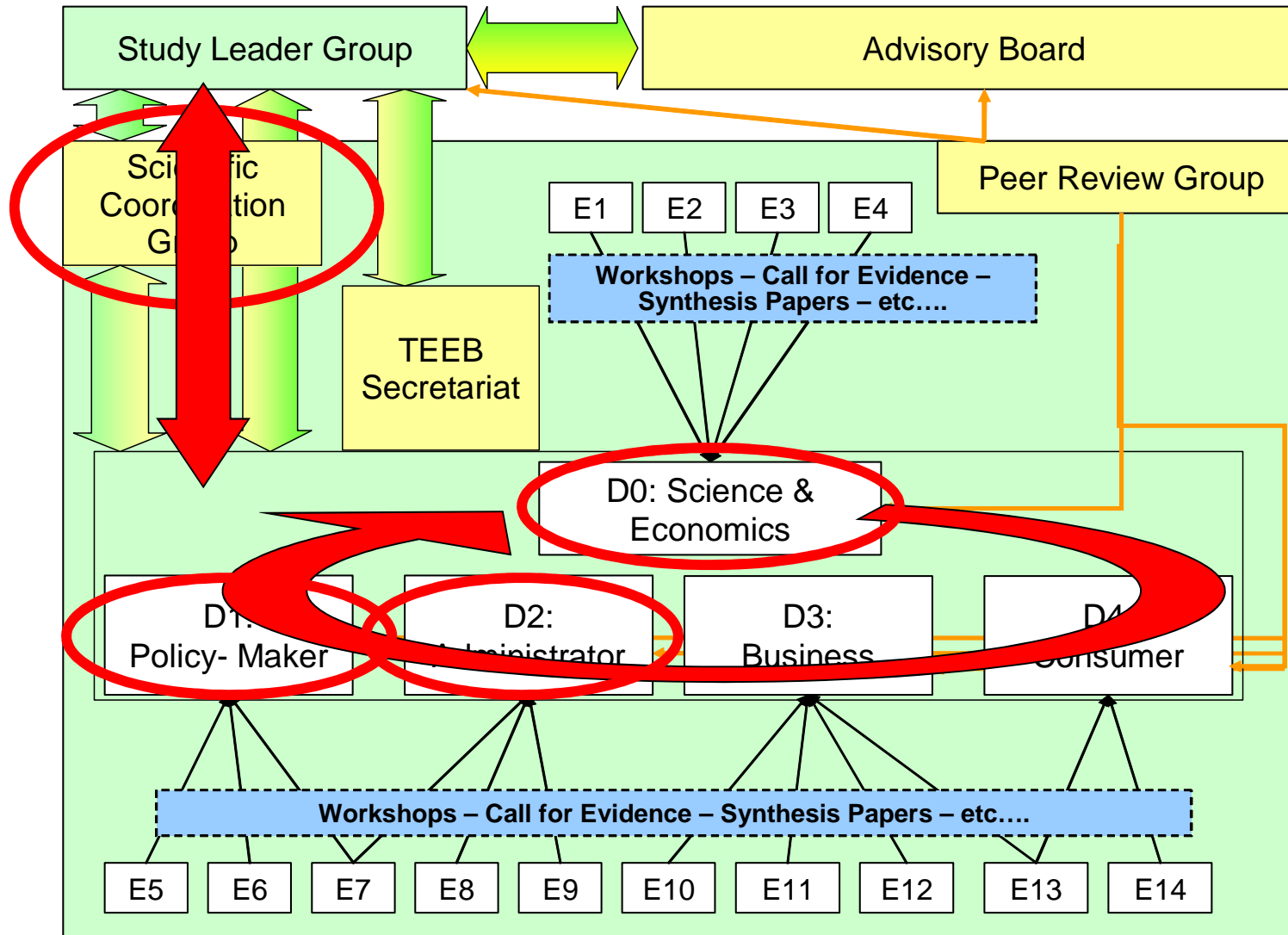
### **Approach:**

- **3 tiers:** recognizing, demonstrating and capturing value
- **How:** Stepwise approach or 6 steps

# The Economics of Ecosystems & Biodiversity



## TEEB phase 2 structure



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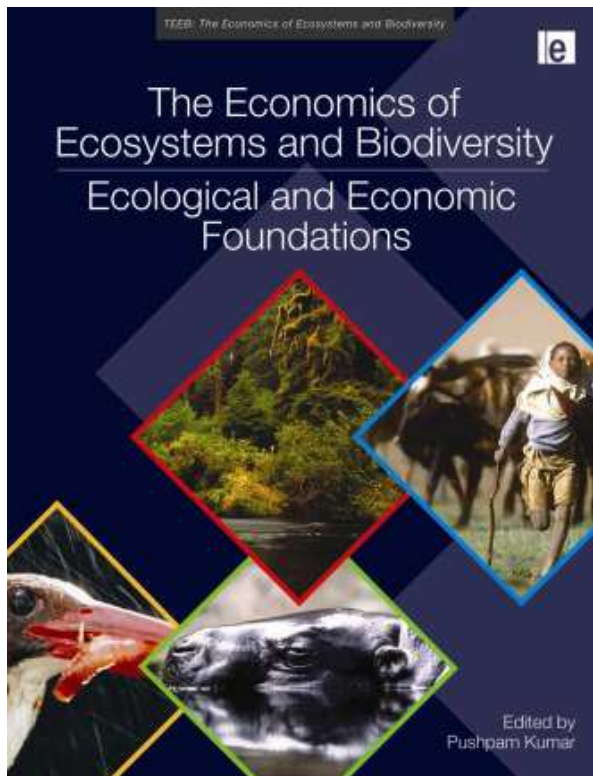
## Basic structure of all TEEB reports:

- **The issue:** biodiversity and its importance for human well-being
  - Why is it not solved?
  - What needs to be done?
  - Why is this economically inappropriate?
- **How to describe and measure it?**
  - Human dependence
  - Quantities
  - Indicators
  - *Monetary* and non-monetary values
- **What can we do about it?**
  - Solutions, policy options
- **How to make it happen?** Vision what we can achieve.

# The Economics of Ecosystems & Biodiversity



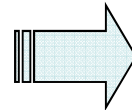
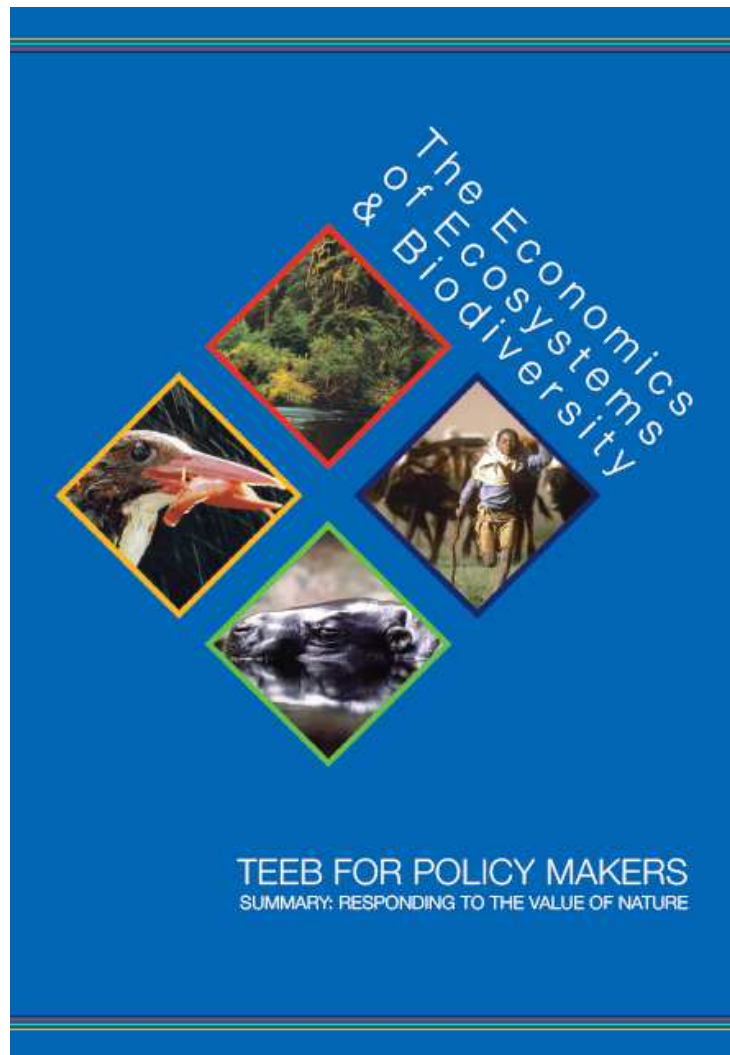
## Ecological and Economic Foundations: summarizing the state of the art



- Integrating the ecological and economic
- Biodiversity, ecosystems and services
- Measuring biophysical quantities
- Socio-cultural context of valuation
- Economics of valuing
- Discounting, ethics, maintaining integrity
- Key messages and links to policy

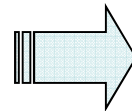


# The Economics of Ecosystems & Biodiversity



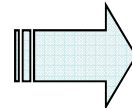
## The Need for Action

- Global biodiversity challenge
- Loss of public goods...
- Frameworks for policy response



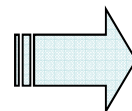
## Measuring what we manage

- BD & ecosystem service indicators
- Natural capital accounts
- Valuation and assessments



## Available Solutions

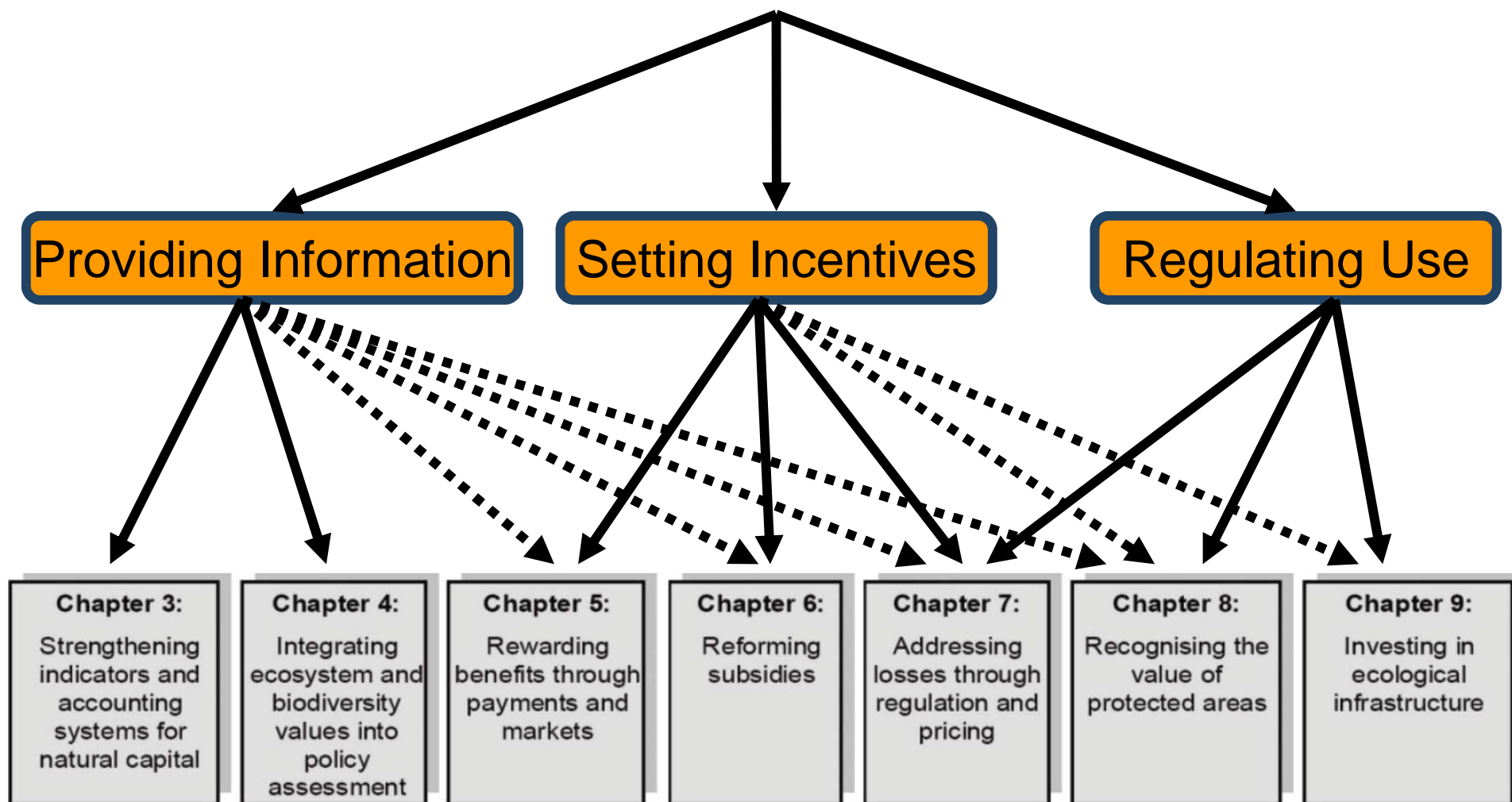
- PES water, IPES – REDD+
- Markets, GPP
- Subsidy reform
- Legislation, liability, taxes & charges
- Protected areas
- Investment in natural capital



## Responding to the value of nature



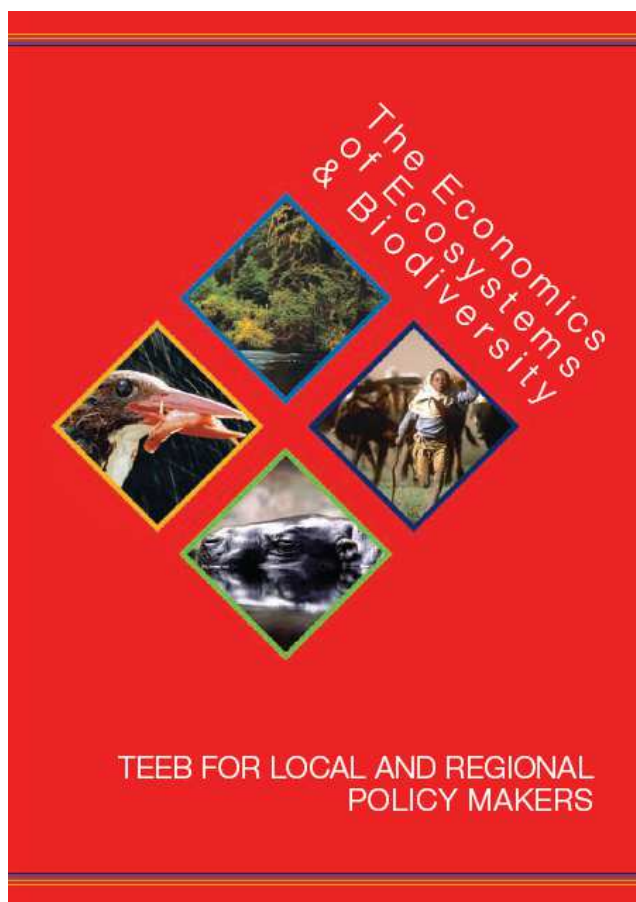
## Policy Options Overview National and International



# The Economics of Ecosystems & Biodiversity



## The Report: Table of Contents



### **Part I: The Opportunity**

Chapter 1: The Value of Nature for Local Development

### **Part II: The Tools**

Chapter 2: Conceptual Frameworks for Considering the Benefits of Nature

Chapter 3: Tools for Valuation and Appraisal of Ecosystem Services in Policy Making

### **Part III: The Practice**

Chapter 4: Ecosystem Services in Cities and Public Management

Chapter 5: Ecosystems Services in Rural Areas and Natural Resource Management

Chapter 6: Spatial Planning and Environmental Assessments

Chapter 7: Ecosystem Services and Protected Areas

Chapter 8: Payments for Ecosystem Services and Conservation Banking

Chapter 9: Certification and Labelling

### **Part IV: Conclusion**

Chapter 10: Making Your Natural Capital Work for Local Development

Overview of tools and databases



## Policy Options Overview Local and Regional

