### **Ecosystems and services**





# An Ecosystem Approach of Accounting

Spatial integration

## **Economic sectors**

Ecosystem types

Core accounts of assets & flows (by ecosystem types, raw quantities)



Ecosystem Stocks & State Accounts Accounts of flows of ecosystem goods and services

Material/energy flows

(focus on biomass, water, nutrients, residuals)

- **Functions & Services**
- Land use function
- Ecosystem services

### Supply & use of ecosystem goods and services

(Use of resource by sectors, supply to consumption & residuals, accumulation, I-O analysis)

#### Natural assets accounts

- Capital consumption & accumulation (physical units, €)
- Natural capital structure, resilience (physical units, by sectors)
- Ecosystem assets wealth (€)

Natural Capital Accounts/ living & cycling natural capital

Economic integration



# Accounting for environmental benefits and costs

**Benefits: the Demand side** 





# Integrated National Accounts: GDP, Ecosystem Services & Assets, Monetary & Physical Indicators



