

**Global Change Research Centre  
Academy of Sciences of the Czech Republic**

# **Integrated Assessment of Ecosystem Services in the Czech Republic**

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# Integrated assessment of ecosystem services

- ES assessments - develop knowledge on the state of the environment and sustainable management of natural capital
- Global and sub-global assessments of MA



National assessments

e.g. UK NEA or national TEEB initiatives

Following this trend:

Integrated assessment of ES in CZ

2012 - 2013

# Integrated assesment of ecosystem services

## AIMS of the project:

- Identification and valuation of ecosystem services available in the Czech Republic
- Synthesis of values associated with particular ecosystem services and ecosystems
- Comparison of values of (semi)natural and human-modified ecosystems
- Description of main drivers influencing delivery of benefits to society

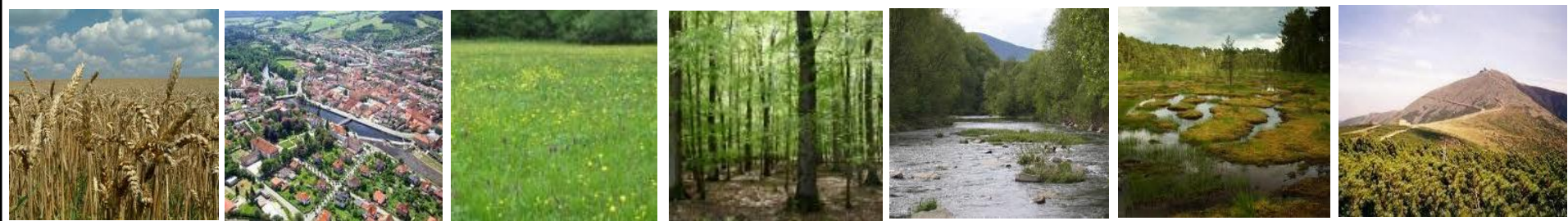


# Integrated assessment of ecosystem services

## Methods

- Habitat approach to ecosystem accounting based on a classification of habitat types

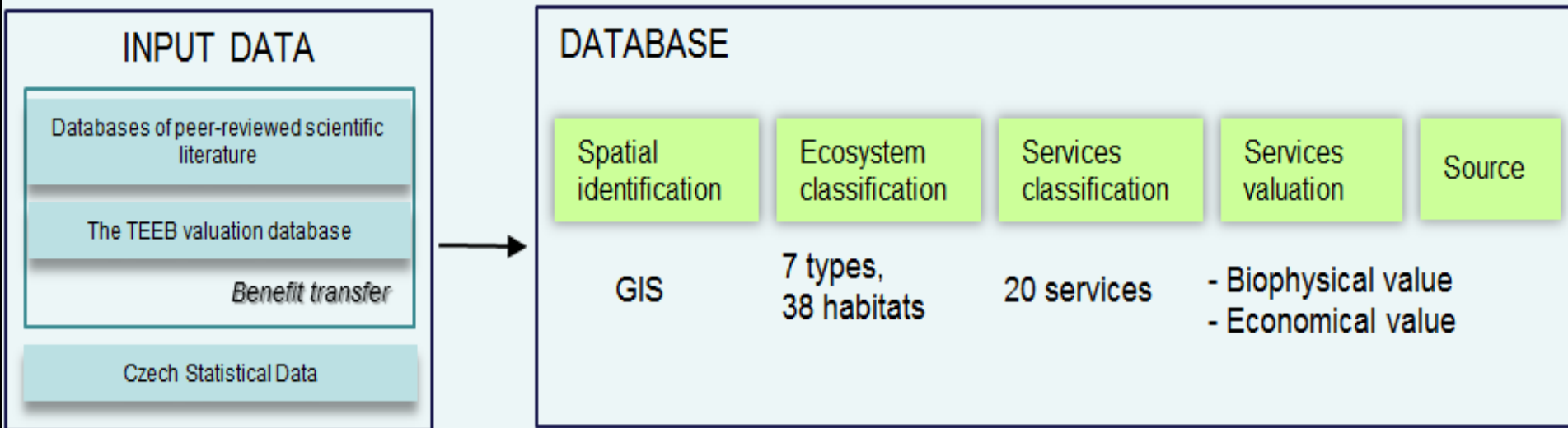
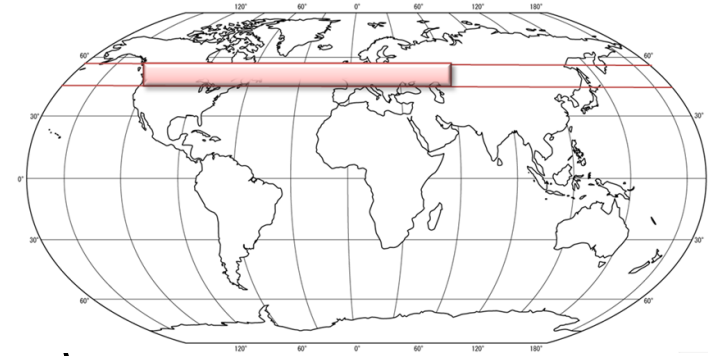
38 habitats → 7 ecosystems



# Integrated assessment of ecosystem services

## Methods

- Benefit transfer to reduce generalization errors
  - specific strategy for literature review
  - stated criteria for values transferability (filters)



# Integrated assessment of ecosystem services

## Expected results

Two main outputs:

- the **database** combined with spatially explicit information regarding particular habitats
- a **methodology** on integrated assessment of ecosystem services in the Czech Republic (certified by the Ministry of Environment)



# Science – Policy Interface in CZ

- Assessments of ES initiated by experts
- Dialogue on ES with policy-makers still limited

## Recent activities

- A pilot study on Grasslands
- Cooperation with Agency of Nature Conservation and Landscape protection
- International meeting „Ecosystem services, human values and global change“ (April 2012), included a public conference (policy side invited, representatives from MoE present)
- A study for MoE: Analysis of CBD objectives fulfilment





# Science – Policy Interface in CZ

- Analysis of CBD objectives; AICHI Targets, Strategic Aim 14
  - Introduction of the concept of ES
  - Do we meet the target?
    - Not sufficiently, ES concept is not applied
  - Is the aim captured in national strategic documents?
    - Target reflected in several strategic documents by general recommendation only, specific strategy how to meet the target is not introduced
  - Recommendations
    - To conduct national assessment of ecosystem services
    - To identify indicators on monitoring the changes in ES supply
- Planned to be used as an input for the National Report on the implementation of CBD







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**Thank you**

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