



MINISTRY
OF THE ENVIRONMENT

MAES process in Poland



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Main project:

Mapping and Assessment of Ecosystems and their Services in Poland

Pilot projects:

1. Valuation of ecosystem services for Ramsar site - Wigry National Park
2. Urban MAES – ecosystem services in urban areas



MAES in Poland

- Identification of characteristic set of ecosystem services (ES) for each class of land cover (CLC, level 3), based on a CICES 4.3 classification adopted to national conditions
- Assigning basic service groups
- Identification ES of each defined patch

The level of definition is allow identification of habitat patches on a regional level (NUTS 2)





ecosystem services assessment

- Determining the „level of output” for each ES in the 5 point scale,
- ES assessment will take into account the qualitative analysis of their diversity, as well as a hierarchy of services and the relationships between them.

These contents will refer to the physical and geographical units and communities as basic units of the administrative division of the country.



Ecosystem state assessment

Identification and assessment of degraded habitats with 4-point scale, so called „4 step approach”

The evaluation system adopted as a starting point in assessing the degradation of habitats (WG RPF)

This will allow to use this assessment as a selection tool of ecosystems to restore - Target 2 Action 6 of the EU Biodiversity Strategy.





Problems

- Availability of continuous thematical spatial data in the proper scale and scope
- Formal procedures associated with the process of sharing databases.
- EU methodology adaptation to Polish conditions.
- New subject and approach – limited stock of specialists and units ready for such task, lack of experience





MAES for Ramsar site

A pilot project for Ramsar site is a feasibility study the aim of which was to verify, test and adjust the methodology for estimating the value of ecosystem services adopted by the European Commission to the local scale of Ramsar site.

The aim of the study was primarily to identify and characterize ecosystem services provided by ecosystems of Wigry National Park, as well as the valuation of the services and the verification of available resources of data necessary to make such valuation



- Development of methodical analysis of the benefits of ecosystems of urban areas in Poland in connection with the concept of green infrastructure.
- Developing classification of ecosystems in urban areas and grading services they provide.
- Comparative analysis of the generic and spatial structure of services in the biggest Polish agglomerations based on the spatial data contained in the Urban Atlas database.
- Recognizing the impact of detailed analytical data on estimation of the structure and size of ecosystems services on the example of agglomeration of Poznan.
- Recommendations for the use of the concept of ecosystem services in the local and sub-regional planning.



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