

Master Project

Comparison monitoring and management regarding the Habitats Directive in the European Context

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Background

- The Habitats Directive was introduced in 1992 as the first consistent European biodiversity network
- However, the way of monitoring and managing the Special Areas of Conservation (SACs) varies widely between the member states
- There are explanatory guidelines for the monitoring of the species and habitats, but there is still no standardized monitoring and management
- New supporting methods, such as GIS and remote sensing are regarded as „experimental“, but could bring more consistency in the monitoring methods

Aim of the project, study areas & methods

- **Aim of the project** is the development of a GIS and Remote sensing-based methods for a standardized monitoring and management of similar habitats in different countries
- **Study areas** could be:
 - Döberitzer Heide / Kalmthoutse Heide → heathland areas in Brandenburg and Belgium
 - Bierbza NP / Körös Maros → grassland and wetland areas in Poland and Hungary
- **As method** we:
 - analyse the monitoring and management pattern,
 - Model the potential and actual natural vegetation (MaxEnt?),
 - Monitor the habitats with already existing field-mapping data or remote sensing methods



Working plan

I Evaluate monitoring and management systems

- Which explanatory notes and guidelines are available for monitoring and management from the Commission?
- How are the monitoring and management structures in different countries (Germany, Austria, Belgium, UK,...)?
- Which innovative GIS and remote sensing methods are available for monitoring habitats and species?

II Develop a GIS-based method to support monitoring and management

- Is the monitoring system for the exemplary target species and habitats different in the countries?
- Which data are available?
- Implementation of a method!!!!





Organisational Issues

- Participants: ca. 15
- Term: Summer Semester 2013
- Field Trip: June 2013 (different conservation areas in Europe)
- Supervision: Michael Förster
(Geoinformation in der Umweltplanung)
- Plenum: Thursday 14 s.t. (Exceptions possible)
1st Plenum, 11.04.2013 13h s.t. in EB 415
- Requirements: basic GIS Skills
interest in spatial modelling and remote sensing

More organisational issues

- Registration via the ISIS platform (within the remote sensing system course)
- Maximum of participants is 17 → we try to have equal number of students in the two projects
- The registration is open from 13th of February (next Wednesday) from 1 p.m.



Any Questions?

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