

## Green Infrastructure of Central Europe

Green infrastructure is a strategically planned network that broadens the traditional conservation efforts to encompass the concept of ecosystem services. This study aims to identify green infrastructure network in Central Europe.

Method presented in this thesis is an analysis of ecological connectivity based on ecosystem services potential quantified for CORINE land cover classes (Burkhard et al., 2009). Design of ecological corridors between the core areas represented by Natura 2000 sites is dependent on the capacity of ecosystems to provide ecological integrity and regulating services. Analysis was performed in ArcGIS Linkage Mapper extension.

Green infrastructure network identifies 17 % of area of Central Europe that provides high values of ecosystem services. Corridors also create linkages between Natura 2000 sites and improve biodiversity conservation as well as they support migration corridors for large mammals. Full implementation of the Birds and Habitats directive and promoting of a European Green Infrastructure are two important targets of The EU Biodiversity strategy to 2020.