

Land Use - LAN

Layer description

Definition: To evaluate the coherence of activities with the type of landscape according to principles of sustainability.

Realization: The several land use and land cover data sets have to be classified according this definition.

Classification: A classification scheme was established based on two reference projects:

- The Southeastern Ecological Framework is a GIS-based analysis to identify ecologically significant areas and connectivity in the southeast region of the US. Similar to Econnect there landscape linkages had to be identified. Therefore a cost surface was built based on land cover classification.
- The Cross-roads of Planet Earth's Life project is a scenario study from 2000 to 2050 to explore the effects of future economic, demographic and technical developments on environmental pressures and global biodiversity. Within this project for different land use types a so called mean species abundance was determined. This analysis was based on ca. 120 published data sets.

Further references:

Carr, M. H., et al.: „Southeastern Ecological Framework”. Project Report. Departments of Landscape Architecture, Urban and Regional Planning, and Wildlife Ecology and Conservation, University of Florida, 2002.

Carr, M. H., et al.: „Statewide Greenways System Planning Project, Phase II”. Project Report. Departments of Landscape Architecture, Urban and Regional Planning, and Wildlife Ecology and Conservation, University of Florida, 1999.

Brink, B., et al.: „Cross-roads of Planet Earth's Life. Exploring means to meet the 2010-biodiversity Target.”. Project Report. Netherlands Environmental Assessment Agency (MNP), 2006.

Layer Legend

