Ranking Natura 2000 habitats and Natura 2000 areas for nature management and restoration in Finland

Identifying best potential for cost-effective ecosystem improvement


Metsähallitus Parks & Wildlife Finland

What do we want (in a nutshell)?

Goals:

Identifying best potential for cost-effective ecosystem improvement

Mapping restoration potential

Prioritizing N2000 areas for restoration and nature management based on their potential for cost-effective ecosystem improvement

Identifying Low Hanging Fruits, conceptually and on the map

Principles:

Complementarity, Connectivity, Condition, Cost-effectiveness

Planning area:

1541 protected Natura 2000 areas in Finland

Material:

Biodiversity data (GIS: location and current state of 67 N2000 habitats and threatened species) and expert knowledge of improvement methods, effects and costs (Finnish Restoration Prioritization Project)

Main tool:

Systematic spatial prioritization approach Zonation

GIS habitat data for protected N2000 areas + Finnish Restoration Prioritization Project with 100 habitat experts providing background data for each habitat and improvement action:

Result of improvement action

Amount of improvement Costs of the actions

For 67 habitats Across 1 541 N2000 areas

SHOWING IT ON MAPS

N2000 areas ranked according to their improvement potential

Mapping fine scale potential within N2000 areas across Finland

EVALUATING TRADE-OFFS

Analyzing change in N2000 area rankings between analysis solutions with different elements considered

Evaluating ecological effectiveness:

Differences in relative increase in ecological representativeness of N2000 network between alternative solutions

How do we use the results?

To prioritize the use of money for management between individual habitat compartments and on the other hand between Natura 2000 areas

For example to choose individual Natura 2000 areas as a target areas for LIFE Nature projects

More information:

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http://www.syke.fi/zonation/en

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