

PROMOTION OF FUNCTIONAL CONNECTIVITY OF ECOLOGICAL NETWORKS

OBJECTIVE

Survival and migration of species and adaptation potential of populations.

DESCRIPTION

Promoting ecological connectivity is an important option to enable dynamic adaptation processes in ecosystems, and thus to combat the decline in biodiversity and preserve ecosystem services, especially in view of changing climatic conditions. Moreover, healthy ecosystems provide numerous goods and services that are vital to human society. These services are particularly relevant for ecosystem-based approaches for climate change adaptation and disaster risk reduction, for example ensuring protection against floods, avalanches and other climate-related hazards, prevention of soil or coastal erosion and regulation of the (micro) climate (regulating services).

EXPECTED RESULTS

To improve the conservation of biological diversity and the management of ecosystem services beyond the standard approach of the already existing protected areas.

RESULT INDICATORS

Number of nature conservation sites.

INVOLVED ACTORS

Regional and local stakeholders. Key stakeholders include landowners and representatives of directly affected sectors, such as agriculture, forestry, spatial planning, tourism and nature conservation, as well as stakeholders from other sectors indirectly affected by habitat and natural resource management.

EXPECTED TIMELINE FOR ACTION

- Medium term (5-10 years)

BEST PRACTICES

- Allgäu Region - Germany
- País Vasco - Spain
- Overijssel - Netherlands
- Świętokrzyskie - Poland
- Bulgaria, Romania
- Cataluña - Spain
- Friuli Venezia Giulia Autonomous Region - Italy
- Marche Region - Italy
- Marche Region - Italy

- Apulia Region – Italy

CRITICALITIES

Different land use management and planning approaches as well as the non-acceptance of the importance of ecological networks (beyond protected areas) can be relevant limiting factors.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Green

SECTOR OF ACTION

- Agriculture / Forests / Land use
- Aquaculture / Fishing
- Biodiversity / Conservation of ecosystems
- Coastal management
- Water resource management

CLIMATE IMPACTS

- Drought
- Other

IMPLEMENTATION SCALE

- Association of municipalities
- Municipality
- Province
- Region / Country

SOURCE

<https://climate-adapt.eea.europa.eu/help/share-your-info/general/improve-the-functional-connectivity-of-ecological-networks>