# LANDSCAPE-SCALE PLANNING AND PARTNERSHIPS

## OBJECTIVE

Use landscape-scale planning and partnerships to reduce fragmentation and enhance connectivity.

## DESCRIPTION

Connectivity can be managed in multiple systems including the terrestrial, aquatic or urban/peri-urban and on many levels, such as field, farm, landscape and region.
Land connectivity can be improved through a number of options, including linear strips of habitat connecting otherwise isolated patches, field margins, wooded areas adjacent to bodies of water, hedgerows and windbreaks. The corridor systems involved in landscape connectivity can also serve other conservation purposes, such as the protection of Crop Wild Relatives (CWR) or wild plants closely related to domesticated plants.

## EXPECTED RESULTS

Carbon sequestration, conservation of species, food/habitat/species mobility, gene flow, pollinator species and pest control, soil conservation, water regulation and protection, air quality, recreational value, aesthetic implementations, ecotourism implementation, collaboration among public administration and universities or research groups, human health and well-being.

## RESULT INDICATORS

Number of endemic and non-endemic plant and animal species.

## INVOLVED ACTORS

Governments, public administration, scientists, stakeholders, citizens.

## EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

## BEST PRACTICES

- California – USA
- Delhi – India
- Nagoya – Japan
- UK

## CRITICALITIES

Cooperation among governments, public administration, scientists, stakeholders.

## SCOPE OF THE ACTION

- Adaptation

## TYPE OF PROPOSED ACTIONS

- Green
- Soft

## SECTOR OF ACTION

- Agriculture / Forests / Land use
- Aquaculture / Fishing
- Biodiversity / Conservation of ecosystems
- Coastal management
- Public health
- Tourism and leisure
- Transport and infrastructure
- Urban settlement
- Other

## CLIMATE IMPACTS

- Change or loss of biodiversity
- Coastal erosion
- Drought
- Extreme precipitation
- Extreme temperatures
- Fires
- Floods
- Salinization and acidification of water
- Strong winds
- Other

## IMPLEMENTATION SCALE

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

## SOURCE

https://adaptationworkbook.org/niacs-strategies/forest#strategy-210https://www.nrs.fs.fed.us/pubs/gtr/gtr-

nrs-87chapters/butler_chap-2-gtr_nrs87.pdf
https://www.wbcsd.org/Programs/Food-and-Nature/Food-Land-Use/Scaling-Positive-Agriculture/Resources/Landscape-Connectivity-A-call-to-action