

PROMOTE AGRO-FORESTRY AND CROP DIVERSIFICATION

OBJECTIVE

Make the agricultural sector more resilient to the effects of climate change.

DESCRIPTION

Agroforestry systems include all land-use systems or forms of land management where woody perennials grow deliberately in the same land unit with agricultural crops (silvoarable agroforestry) and/or animals (silvopasture), in some form of spatial arrangement or temporal sequence, valorising both ecological and economic interactions between the various components. Agroforestry exploits the complementarity between trees and crops, so that the available resources can be more effectively exploited. Efficient and modern versions of agroforestry allow the diversification of farm activity and make better use of environmental resources. The agroforestry plot remains productive for the farmer and generates continuous revenue, which is not the case when arable land is simply reforested.

EXPECTED RESULTS

Better food and nutritional security, sustainable livelihoods, promotion of productive, resilient agricultural environments, enhancement of ecosystems through carbon storage, prevention of deforestation and wind erosion of the soil, biodiversity conservation.

RESULT INDICATORS

Percentage of increased productivity [%]

INVOLVED ACTORS

Public administrations, agroforestry experts.

EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

BEST PRACTICES

- France
- Portugal
- Spain
- Germany

CRITICALITIES

Unfavourable policy incentives, inadequate knowledge dissemination, legal constraints and poor coordination among the several sectors involved.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Green

SECTOR OF ACTION

- Agriculture / Forests / Land use
- Biodiversity / Conservation of ecosystems

CLIMATE IMPACTS

- Drought
- Floods

IMPLEMENTATION SCALE

- Municipality
- Province
- Region / Country

SOURCE

<https://climate-adapt.eea.europa.eu/metadata/adaptation-options/agro-forestry-and-crop-diversification>