

**LIFE MIDMACC** LIFE18 CCA/ES/001099

## Mid-mountain adaptation to climate change

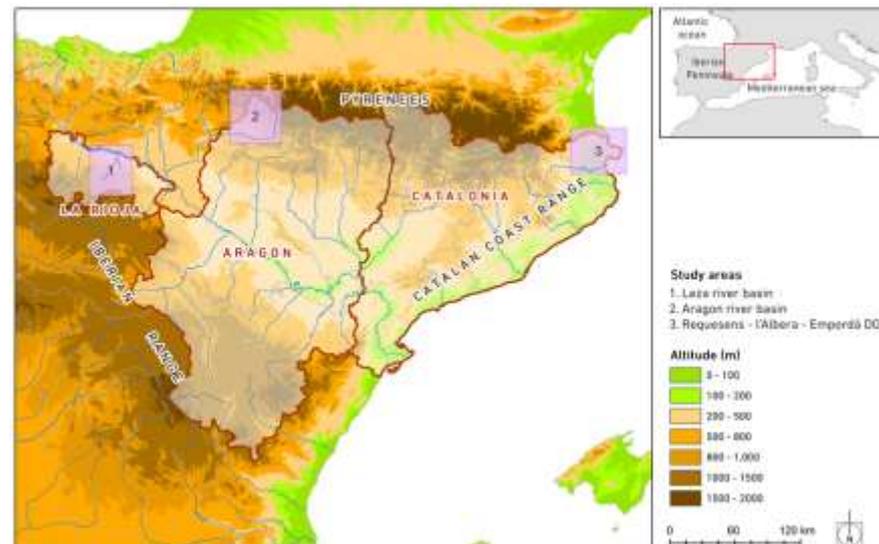
### PROJECT LOCATION:

Catalonia, Aragon, la Rioja (Spain)

### BUDGET INFO:

Total amount: 2 595 725€

% EC Co-funding: 55



**DURATION:** Start: 01/07/19 - End: 30/06/24

### PROJECT'S IMPLEMENTORS:

**Coordinating Beneficiary:** CREAM

**Associated Beneficiaries:**

CSIC, CTP, IRTA, OCCO, UAB, UNIZAR, UR

## OBJECTIVES & SCOPE

Mid-mountain areas of Southern Europe are vulnerable regions to many physical and anthropogenic impacts. **Rural abandonment of mountain slopes** has induced a dramatic **decrease of the landscape mosaic**. The conversion/maintenance of this **agro-forest-pastoral mosaic** can be considered as an excellent climate change adaptation.

The main objective of **LIFE MIDMACC** is to promote **adaptation** to climate change through the implementation and testing of **different landscape management alternatives** in **marginal mid-mountain areas** of Spain, while improving their **socioeconomic development**.

# EXPECTED IMPACTS

Results at **local level** where climate change adaptation alternatives will be implemented:

- **9 pilot experiences** by means of **three climate change adaptation strategies**:
  - **scrubland clearing** for extensive livestock farming,
  - **forest management** for wildland fire risk reduction and extensive livestock farming
  - **vineyard management** practices.
- A set of **dissemination activities and guided visits**
- A **viability analysis of extensive livestock farms**
- An **estimation of the implementation costs of pilot experiences**

Results at **regional and national levels** in the study domain:

- **3 Regional Committees of stakeholders, 1 Supra-regional Working Group.**
- **1 map of actors** to identify key stakeholders.
- **Upscaling** of the pilot monitoring results to the river basin level and vulnerability assessment
- An **Integrated Adaptation Guidelines** for marginal/more vulnerable mid-mountain areas.

Results at the **European level**:

- **3 replicability activities in other Euro-Mediterranean mountain regions.**
- **1 handbook of lessons learned.**
- **1 network** between public bodies, scientists and stakeholders involved in the use and conservation of mountains.
- **1 scientific session in an International Conference** on mountain adaptation to climate change.

# POLICY IMPLICATIONS

The project's activities aim at contributing to the creation of new knowledge needed to locally implement the EU's climate commitments:

## EU Strategy on adaptation to climate change (EUSACC)

- Promoting concrete action towards facing the impacts of climate change locally.
- Promoting adaptation in key vulnerable sectors, such as agriculture and forestry.
- Promoting better informed decision-making by addressing gaps in knowledge about adaptation built on experience-based knowledge.

## EU 2030 climate and energy package through

- Reducing emissions from fertilizers, manure and livestock and contributing to the storage of CO<sub>2</sub> in soils and forests.
- Reducing transport-related emissions due to the promotion of local agricultural production and consumption.

**LIFE MIDMACC's regional scale** focus will enable to contribute to the unfolding of the **Paris Agreement** climate objectives included in the new Covenant of mayors for climate and energy.

Additionally, LIFE MIDMACC contributes to the objectives of numerous EU policies, such as:

- **Common Agricultural Policy (CAP)**, through promoting the main goals of the Rural Development Program, favoring the cross compliance principle, contributing to the new Forest Strategy.
- **Environmental policies**, such as: Habitats Directive, Birds Directive and the Nature 2000 Network, Water Framework Directive, Nitrate Directive and Groundwater protection
- Furthermore, the project will contribute to the proposal for a **Soil Framework Directive** currently under development and to the knowledge transfer tool **European Climate Adaptation Platform**.

# CONTINUATION (REPLICATION, TRANSFER, MARKET UPTAKE)

**LIFE MIDMACC** proposes five activities oriented towards ensuring project replicability and transferability:

- 1. Design of a transferability and replicability Plan.** It will be strategically designed to multiply the impact of replicability activities identifying the potential for use, the ease for transferability, the key channels and forums and the resources to support the transfer. It will be taken into account the map of actors elaborated in the first project steps.
- 2. Handbook of lessons learned.** The handbook will therefore contribute reporting the performance of the LIFE MIDMACC approach and enhance its adoption not only in nearby mountain regions but also in other Euro-Mediterranean countries. This will also include a set of replication protocols to implement the different adaptation measures based on results obtained in implementation actions.
- 3. Supra-regional regional transferability meetings and local technical visits.** Transferability activities will be performed to ensure project's results transferability in the nearby regions of the study sites namely: the 3 regions where pilot experiences are implemented and the cross border space of the Pyrenees mid-mountain range which includes 8 regional administrations and 3 countries (Spain, France and Andorra).
- 4. Replicability activities in other mountain areas in the Euro-Mediterranean region.** They will be performed in order to ensure the replicability of project's results in similar areas. There are three institutions that have shown high interest in promoting project replicability in Greece, Italy and Alpine region. Preliminary contacts have been made with Carpathian convention
- 5. Transferability through existing adaptation platforms.** Since the beginning of the project, common activities with ClimateAdapt (EEA climate change adaptation platform), AdapteCCa (Spanish climate change adaptation platform) and OPCC (Pyrenean adaptation platform) will be developed to enhance transferability internationally.

Additionally, the **stakeholder's committees** and the **monitoring activities** will continue after the project end.