Consortium

Università di Firenze
UNIFI

Centre National
de la Recherche Scientifique
CNRS

Institut Agricole Régional
IAR

Institut National de la Recherche
Agronomique
INRA

National Research Institute of Science and
Technology for Environment and
Agriculture
IRSTEA

Parc National des Écrins
PNE

Ente Parco Nazionale Gran Paradiso
PNGP

Agenzia Regionale per la Protezione
dell'Ambiente della Valle d'Aosta
ARPA VDA

Partners

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Pastures vulnerability and adaptation strategies to climate change impacts in the Alps

LIFE PASTORALP

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What is LIFE PASTORALP

LIFE PASTORALP aims at **reducing** the **vulnerability** and **increasing** the **resilience** of **alpine farming systems** by assessing and testing **adaptation measures**, promoting **capacity building** and developing **improved management strategies** for climate change adaptation.

Project info:

LIFE Ref. No: LIFE16 CCA/IT/000060
Area of implementation: Parc National Des Ecrins (FR) and Parco Nazionale del Gran Paradiso (IT)
Duration: 54 months
(1 October 2017 - 30 March 2022)
Project Budget: 2,314,400 € (60% EC funding)

Where is implemented:

The effectiveness of proposed adaptation measures will be tested and demonstrated in two permanent pilot areas located inside the two National Parks of the Western Alps: **Parco Nazionale Gran Paradiso** (IT) and **Parc National des Ecrins** (FR)

METHODOLOGY

Key cross-sectoral issues will be addressed considering both rural socio-economy and biodiversity, and by identifying and promoting ecosystem-based adaptation solutions, evaluated against environmental, technical, economic and social criteria. In particular:

Characterization and **mapping** of pastoral resources across the two parks

Cross-disciplinary investigation on **alpine pastures vulnerabilities under changing climate**

Integration of field surveys, modelling, remote sensing, socio-economic and biodiversity analysis

Deployment of **web-based PASTORALP platform tools**

Development of an **Integrated adaptation strategy** plan and a **Replication and transfer plan**

Stakeholders involvement throughout the project (**multi-actor approach**)

Promotion of proofing policies and practices into CAP policies and RDP plans.

EXPECTED RESULTS

Reduction of the Alpine pastures vulnerability to the impacts of climate and socio-economical changes.

Improved adaptation measures for pasture management in accordance with stakeholders.

Viable technical and socio-economic management plans for the selected pilot areas.

Web-based platform (PASTORALP platform tools) facilitating the adoption of improved adaptation strategies.

Increased capacity building of pastoral communities for coping with climate change impacts and adaptation on pastures.