

Adaptation to Climate Change of Extensive Livestock Production Models in Europe (LIFE LIVE-ADAPT)



Resumen:

Climate change is having a substantial negative impact on the agricultural industry, especially in southern Europe. Increased temperatures and change in precipitation patterns (longer dry periods and more heavy rainfalls) are having a detrimental impact on the livestock of farmers from this region. This project try to implement solutions for the Adaptation of Extensive Livestock farms to Climate Change in the south of Europe.

Objetivos:

- The demonstration of innovative technologies and practices on field for the adaptation of extensive livestock exploitations to Climate Change. This objective includes the testing of innovations for the improvement of water collection and use, the improvement of livestock management using ICT technologies, and the improvement in the quality of pastures and biodiversity in extensive exploitations for the new climate scenario.
- The identification, adaptation and transference of Best Practices for the efficient adaptation of extensive livestock exploitations to Climate Change in Europe. These BPs will include solutions for energy efficiency, energy production, pastures and land management, livestock management, wastes management, water management, agro-forestry management, desertification, animal health, biodiversity improvement, and the valorization and marketing of eco-products produced in extensive exploitations.
- The definition of innovative updated business models for extensive livestock exploitations adapted to the Climate scenario, including cooperation with other sectors such as tourism, and considering all environmental, economic and social factors. Actions within this objective include the Improvement in the promotion of "extensive" products as environmentally friendly and high quality products with added value in the market, together with the use of Short food chain distribution and the promotion of a change in the consumption model of citizens.
- Training and advice to farmers for the efficient adaptation to Climate Change of their extensive exploitations using ICT tools, and creating an open and dynamic course in a MOOC platform, available for everyone.
- Definition of an Action Plan for the Adaptation of Extensive Livestock Production models in Europe including a proposal for policies, based in Participatory processes in Spain, France and Portugal, but involving experts from all over Europe.

Objetivos contribución:

The University of Cordoba role is to coordinate the project and to contribute to achieving the general objectives.

Entregables:

- A1 Index and list of parameters and potential effects.
- C2 Management protocol in C2.1
- C2 Calendar and model of infections
- C2 Reports of recommended medicinal plants and nutraceuticals in C.2.2
- C2 Management protocol and calendar in C.2.2
- C2 Report of grazing management trials
- C2 Report of rainfall and fodder production
- C2 Report of risk factors in C2.1
- C3 Reports from the local Workshop (business models) in Cordoba, Portalegre and France
- C4 Video for the marketing of "extensive" products
- C4 Report of business models for extensive livestock exploitations adapted to Climate change in Europe
- C4 CANVAS for feasible business models in different scenarios
- C4 Report: benefits and added value of products from extensive livestock exploitations
- D3 Questionnaires for the monitoring of economic sustainability of project products
- D3 Guide for the monitoring of the economic feasibility of project products
- D4 First Progress Report updating of the LIFE KPI Webtool
- D4 Second Progress Report and updating of the LIFE KPI Webtool
- F1 Consortium agreement
- Final conference and meeting un Brussels
- F1 Kick off meeting minutes
- F1 Audit
- F1 Project Management and coordination Plan

Impacto:

Outputs:

- A validated system for efficient collection, management and use of water on field.
- A validated system for reducing evaporation in ponds.
- A validated system for the efficient management of Extensive livestock exploitations (ELE) based in ICT.
- A validated guide with tested innovative practises for the improvement of pastures and animal health.
- Over 30 best practices identified, adapted, validated and transferred to local stakeholders in Spain, France and Portugal.
- Five adapted innovative business models for ELE.
- A guide for the design of innovative and adapted business models for ELE.
- Marketing campaign for "extensive products".
- MOOC for the Adaptation of ELE to Climate Change.
- A platform for the promotion of the Adaptation of ELE to Climate Change.
- Three Social Participatory processes an Action plan for the Adaptation of Extensive Livestock Production models.

Presupuesto: 2,207,025.00

Equipo de investigación

Nombre: Ciencia Animal

Email: pa1gasia@uco.es

PAIDI: AGR-195

Web: <http://www.ceia3.es/es/lineas-y-grupos-de-investigacion/calidad-y-seguridad-alimentaria/produccion-animal-agr-195-uco/>

Investigador principal: Vicente Rodríguez Estévez (Coordinator)

Email: pa2roesv@uco.es

Teléfono: +34 957218083

Presupuesto del equipo: 406,936.00

Universidad: Universidad de Córdoba

Enlace: <https://liveadapt.eu/>

Estado: published

Contacto [Solicitar más información de Adaptation to Climate Change of Extensive Livestock Production Models in Europe](#)