

EXPECTED RESULTS

LIFE AGROIntegra brings to the agri-food sector the most innovative IPM techniques through practical demonstrations that allow farmers to see first hand their technical and economic feasibility.

It will also implement and validate a DST (HAD AGROIntegra) that helps farmers decide the more suitable and environmentally friendly method for each concrete situation.

Action protocols will be prepared (as training and advisory tools) to facilitate the transition to the new IPM model to farmers. The direct impact expected throughout the project is very significant, of about 500 farms. In the future this system may be extensible to other farms in Europe.

In 2020 it is expected that 80% of European farmers have already adopted the IPM model, a challenge that will be supported by LIFE AGROIntegra, which will provide its tools and the protocols of action.

The establishment of an IPM platform of Navarre as a stable and permanent entity will ensure the continuity and transfer of the knowledge gained in the project and will also help to annually increase the number of farmers who work according to the new model.

PARTNERS



COFINANCERS



COLLABORATORS



COORDINATOR



AGROIntegra

LIFE AGROINTEGRA

Demonstration of sustainable alternatives to chemical products for European crop protection (LIFE13 ENV/ES/000665)



With the contribution of the life financial instrument of the European community



Crop protection is one of the aspects that most concerns in relation to the sustainability and viability of agriculture farms. Aware of this, and driven by mandatory legislation and the growing environmental awareness, the agri-food sector is developing more environmentally friendly crop protection methods. LIFE AGROIntegra project will perform innovative practices to ensure the health of crops in Navarre region (Spain), such as the use of flower strips, beneficial insects, pheromones, mechanical hoes, crop rotations and the use of products of lower risk to the environment.

OBJECTIVES

The **overall objective** of LIFE AGROIntegra is to minimize environmental risks in crop protection of cereals, vegetables, fruit trees and vineyard, through the demonstration of the feasibility of more sustainable alternatives for pests, diseases and weeds control, and the support to the implementation of Directive 2009/128/EC of the European Parliament and of the Council, establishing a framework for Community action to achieve the sustainable use of pesticides by the targeted stakeholders.

In order to achieve this goal, LIFE AGROIntegra has set the following **specific objectives**:

- Demonstrate the **environmental benefits** of implementing **alternative methods of crop protection**.
- Contribute to **zero residue** in food, thanks to integrated pest management (IPM) techniques.
- **Bring innovative IPM techniques closer to farmers** via practical demonstrations.
- Develop a **specific DST for farmers**, proposing methods for pests, diseases and weeds control in each specific plot and situation.
- **Raise awareness among farmers and advisors on the advantages of more sustainable crop protection methods**, so that the transfer of knowledge, solutions and tools is comprehensive, effective and fast.
- Unify all knowledge generated in a **working protocol that facilitates users the change towards an integrated crop protection**.

ACTIONS

- Creation of an Action Group to support the project involving the key players in the implementation of the IPM model in Navarre (farmers, cooperatives and agro-industries).
- Transformation of farms to the new IPM model, with new and innovative technologies that will be validated both technically and economically. It will be done at three levels:
 - ☞ Field trials with new IPM **techniques**.
 - ☞ IPM demonstrations in specific **crops** at agricultural plots, with the collaboration of farmers.
 - ☞ Transformation of agricultural **farms** to the new IPM system.
- IPM tools:
 - ☞ Improvement and extension of the pests **monitoring and warning system** of INTIA-Government of Navarra, creating a new collaborative one with all users.
 - ☞ Development of IPM **culture guides**.
- Development of an **online Advisory System based on a DST (HAD AGROIntegra)** that integrates all the knowledge acquired. This tool will be technically and economically validated in the farms of collaborating farmers.
- **Promotion of the IPM model in Navarra** through the awareness raising of key actors and advice and continuous training to farmers and technical advisors.

