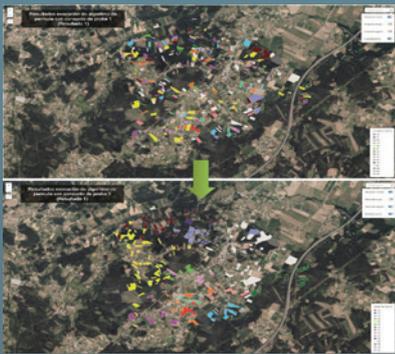




Supported by:



Start: 21/07/2017
End: 31/10/2018

Budget: 102.992 €

Operational Group:

Software to improve land management in livestock cooperatives

Deseño dunha aplicación informática para a mellora da xestión de terras nas cooperativas gandeiras

Practical

problem

Territorial structure of Galician livestock farms is very fragmented and their plots usually have small dimensions and a high dispersion. These circumstances hinder the economic efficiency and environmental sustainability of farms, requiring a higher amount of inputs to maintain them.

Partners

Type:

Name:

Local Action Group
LEADER

Association for Rural Development Mariñas-Betanzos

Dairy cooperatives

Cusoviam; Os Irmandiños

Research institutes

University of Santiago Compostela, Laboratorio do Territorio; University of A Coruña, Centro de Arquitectura de Computadores; Mabegondo Agricultural Research Centre

State organisation

Galician Institute of Food Quality (INGACAL)

Project

Objectives:

Develop a computer software that, depending on different initial situations, proposes the reorganization and grouping of the plots belonging to different farms.

Improve the territorial base of farms and thus facilitate the production of fodder, as the basis for animal feed.

Expected results:

The creation and dissemination of the software will allow the reallocation of plots among farmers (swaps of land use), while their farms keep the same size and land ownership doesn't change.

The plots that each farmer manages become closer to each other, reducing production costs and improving agricultural sustainability.

Results so far/first lessons:

The first version of the software was tested with livestock farms from several pilot areas. Its usefulness in the reduction of distances and the creation of management plots with bigger size was confirmed. The need to incorporate changes in several factors (areas or valuation of plots according to their logistic and agronomic aptitude) was also identified.

Who will benefit:

Farms (79.900 in Galicia), professionals in the sector, public administration and stakeholders in general.

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