



LIFE CLIMATREE (LIFE14 CCM GR/000635)

A novel approach for accounting & monitoring carbon sequestration of tree crops and their potential as carbon sink areas



“LIFE CLIMATREE” is co-financed by the European Commission in the framework of the LIFE programme (Climate Change Mitigation)

Objectives

The LIFE CLIMATREE project aims to contribute towards the development of a novel methodology and an innovative tool for the quantification of carbon storage in permanent tree-crops.

The primary objectives of LIFE CLIMATREE are to:

- improve and update the estimated carbon sink accounting within EU through the inclusion of the calculated tree-crop capacity (CO₂ t/y) that could support mitigation actions at local regional and European levels.
- estimate the socioeconomic benefit of tree crops' carbon storage and evaluate the economic dimensions under different climatic and economic scenarios.
- contribute towards the design and efficacy of Union environmental and climate policy and legislation, complimenting LULUCF and providing a substantial contribution towards the Kyoto Convention targets
- act as a catalyst for, and promote, the integration and mainstreaming of carbon sink objective into Agricultural Sector and its Stakeholders and Decision makers (Common Agricultural Policy, the relevant national public authorities and farmers communities).
- provide a more accurate and increased baseline for carbon sink
- improve Agricultural and Environmental Policies at the micro level and to provide a tool for supporting the evaluation of investments related to tree crops.

Expected Results

- The Development of a new methodology for the accounting of carbon storage from permanent tree crops
- The Demonstration of best tree-crop practices towards the increase of carbon sink and their related socioeconomic benefit
- The Development of a guide for the suggestion of climate change mitigation policies and their incorporation into CAP
- The Estimation of carbon balance of tree-ecosystem for the future years
- The Development of a software application for accounting tree-crop carbon sequestration
- The Evaluation of the economic benefits arising from tree crops sequestration

