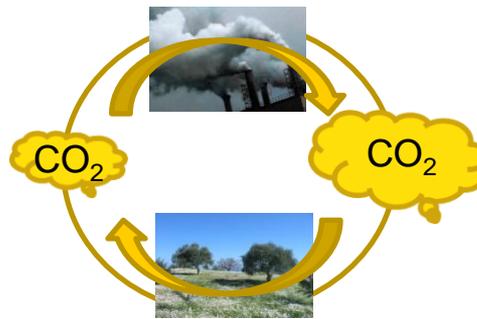




**“Introduction of new olive crop management practices
focused on climate change mitigation and adaptation -
oLIVECLIMA”**



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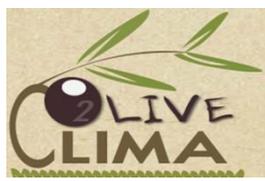


ADMINISTRATIVE DATA:

PROJECT REFERENCE	LIFE11 ENV/GR/000942
DURATION	01-OCT-2012 to 30-SEP -2017
TOTAL BUDGET	3,649,473.00 €
EU CONTRIBUTION	1,822,436.00 €
PROJECT LOCATION	Kentriki Makedonia,Peloponnisos,Attiki,Kriti,Basilicata



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BENEFICIARIES:

COORDINATOR

Development Agency of Eastern Thessaloniki's Local Authorities, ANATOLIKI

PARTNERS

- **NAGREF - ELGO DEMETER**
- RodaxAgro Ltd Environment & Quality, Athens, Greece
- **University of Basilicata, Italy**
- Agriculture Press Publishing (AGROTYPPOS), Greece
- **NILEAS Farmer Group, Greece**
- Agricultural Cooperative of Peza, Greece
- **Agricultural Cooperative of Mirabello, Greece**

- In this project, a **mitigation** approach (enhanced CO₂ uptake and reduced CO₂ emissions) and an **adaptation** measure (increased soil quality) are tackled at the same time.
- The project will **focus specifically** on olive-producing areas in Greece, investigating the potential of these areas to increase carbon sequestration by soils, and to reduce greenhouse gases emissions.





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What are the objectives of Oliveclima:

1. To determine farming practices that lead to increased carbon dioxide uptake by plants from the atmosphere.
2. To take measures to reduce GHG emissions and other environmental impacts during crop production processes.
3. To reverse the trend of soil organic matter losses, erosion and desertification by measures that increase the rate of soil organic matter build up.
4. To improve the biodiversity and sustainability of the olive grove ecosystem.
5. To lower the olive oil production cost and to create added value from the standardization of a climate beneficial product.
6. To develop a set of easily measurable indicators that can be used to link farmer practices to the quantity of carbon stored in the soil.
7. To provide farmers and consumers with a clear and robust information system about the environmental performance during food production processes.



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Project management practices

- Organic matter removed during olive production to be returned and spread on the soil either raw or composted
- Enrichment of indigenous weed flora by sowing a mix of selected seeds
- Introduction of no soil tillage
- Adaptation of tree pruning to maximize CO₂ capture through photosynthesis





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- 5 years
- 3 olive growing areas
- 120 parcels
- Irrigated – rainfed
- Different precipitation
- Sloping land – plane land
- 3-phase or 2-phase olive mills
- Conventional or organic farms
- Different soil types & management

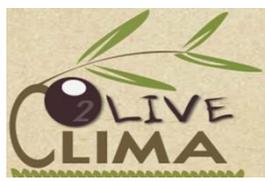




Study Tools

- EMS
- LCA
- Carbon footprint models
- Soil, plant tissue, water, waste analysis
- Gas exchange measurements (soil, plant)
- Canopy measurements
- Radiation use efficiency, leaf area index
- Soil moisture measurements
- Weed biomass and carbon storage
- Legume contribution to soil fertility
- Organic litter on soil surface
- Side effects monitoring (pest and disease, pollution, toxicity, yield)
- Socio-economic analysis
- Demonstration practical videos
- Seminars for farmers
- Up scaling of results to other major tree crops





Networking activities

- A networking forum is available in the project website (www.oliveclima.eu), acting as a collaborative space for interested projects and institutions.
- A networking meeting was organized in May 2013 in Athens, Greece
- The network members will also be informed in regular base about project's workshops and meetings as well as updates of the project website with the new outcomes and deliverables.



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- ✓ Project results will be open to all interested organisations and scientific communities
- ✓ New entrants are welcomed by us
- ✓ Network Membership involves no contractual commitments

For more details, please contact:

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More information on LIFE11 ENV/GR/942 project is available at:

<http://www.oliveclima.eu/>