LIFE AgRemSO$_3$il's OUTPUTS

- Pesticide degradation in agriculture soils in real farm conditions without generating any other residue to be managed.
- In the long term, the implementation of AgRemSO$_3$il system in medium and large farms, especially in Mediterranean areas.
- Ozonation plus solarization method optimised for farm conditions.
- AgRemSO$_3$il prototype installed and running full-scale.
- Operation Manual for equipment and method procedures.
- LCA, technical and socio-economic viability reports Governance recommendations.
- Business plan, IPR rights and Technology Verification.
- Improved communication strategies towards stakeholders and the general public.

EXPECTED IMPACTS

- Remediation of polluted soils with an innovative technology that fights against pesticides residues years after their application.
- No additional costs for using the technology for other crops and/or pollutants.
- Know-how transfer from the EU to other regions of the world; the EU with an international leading role.
- Innovation in supporting the bio-based economy.
- Food quality and food safety throughout Europe.

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Agrochemical remediation of farm soils by combining solarization and ozonation techniques

LIFE AGREMSO$_3$IL

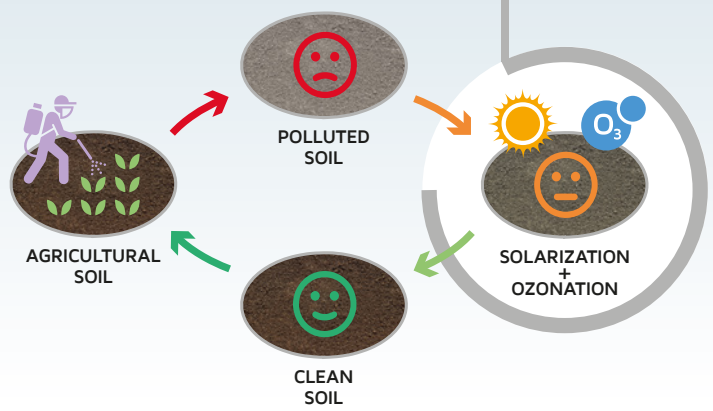
THE PROJECT

LIFE AgRemSO$_3$il is a European project that will be implemented in Murcia, Spain, and it has been funded by the European Commission under the LIFE programme.

The pilot project LIFE AgRemSO$_3$il aims at developing and tuning, at farm scale, new technologies for the agrochemical remediation of farm soils by combining solarization and ozonation in situ.

European Union ADDED VALUE

- Contribution in the development, testing and demonstration of best practices, solutions, policy or management approaches to environmental challenges.
- Contribution in the protection and sustainable use of agriculture soils.
- Informed decision making for agriculture policy makers at national and EU levels.



LIFE AgRemSO$_3$il's OBJECTIVES AND ACTIVITIES

The aims of the AgRemSO$_3$il project are:

- To provide a new **cost-effective solution** for supporting the soil's functionality as part of the wider ecosystem.
- To develop **technological applications** (new equipment) and the **methods used** like advanced oxidation processes as ozonation; or solarization.
- To assess **pesticide soil contents** and other effects as on nematode population, soil microbiota and crop performance.
- To test and demonstrate the **technical**, **economic**, and **ecological feasibility** of the innovation through a prototype in commercial farms at real running scale.
- To provide a Life Cycle Assessment (LCA) of the **environmental impacts** both for the prototype and its implementation and use in a farm.
- To identify and investigate societal concerns and needs by **involving stakeholders** and considering their views during the entire project period.
- To develop and use innovative, art- based cultural communication tools to stimulate **interaction** with the public and increase awareness.