The contribution of water reuse to the efficient and sustainable management of water for irrigation

RECLAMO

BACKGROUND

Water scarcity is driving the increasing use of unconventional water resources to compensate for the water deficit in areas with high water stress.

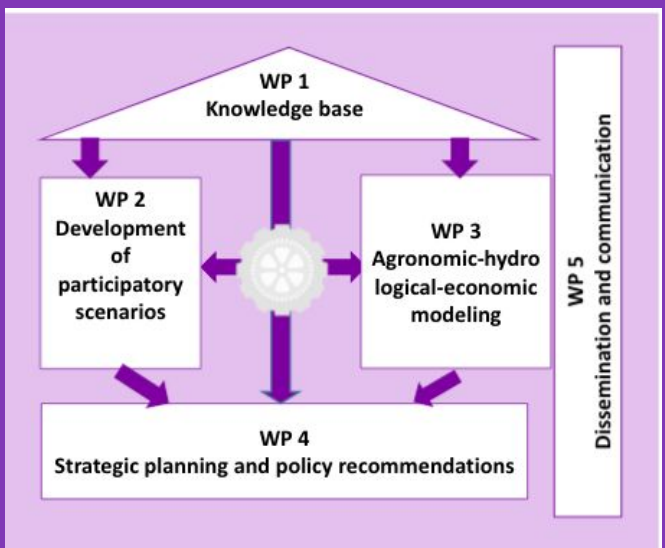
In recent years, the European Union has launched numerous initiatives to promote and facilitate the reuse of water for agricultural irrigation.

Today, this resource has become an alternative, reliable and safe source of water supply, and an essential tool for water planning, especially in southern European countries. However, the reuse of water for irrigation is currently well below its potential.

OBJECTIVES

- Analyze the potential for the reuse of reclaimed water for irrigation in Spain, as well as its social, economic and environmental implications.
- Provide solutions and alternatives to overcome barriers for the efficient reuse of reclaimed water in agriculture.
- Identify policy options that support the adoption of this practice as an efficient solution for the integrated and sustainable management of water resources

ACTIVITIES



1- Develop a knowledge base on the current status of reclaimed water

2- Develop participatory scenarios on the future of reclaimed water for irrigation

3- Analyze the multidimensional effects of water reuse through the development of **an integrated modeling platform** (hydro-agro-economic)

4- Develop a roadmap and policy recommendations to improve the use and management of reclaimed water in irrigation

5- Disseminate new knowledge and promote science-policy-society dialogue

STUDY OF CASES

CONTRIBUTIONS

RECLAMO encourages **collaboration with experts and interest groups.**

Likewise, it tries to seek **synergies and complementarities with other similar projects** and to explore new ways of collaboration with companies and research groups that **allow the research to continue and expand beyond the time limits of the project.**

IMPACTS

The integrated modeling platform, designed with stakeholders, will allow political decision-makers and users to benefit from **a better understanding of the use of reclaimed water for irrigation** and its social, economic and environmental implications, in a context of climate and socio-economic change.

RECLAMO hopes to contribute to i**mprove the acceptance of reclaimed water by stakeholders and to design an effective roadmap** to achieve **the full development and use of reclaimed water for irrigation.**

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