

AQUACYCLE



Partners



Centre for Research and Technology, Hellas (CERTH)



Centro de Investigaciones Energeticas, Medioambientales y Tecnológicas - Plataforma Solar de Almeria (CIEMAT/PSA)



Integrated Resources Management Co Ltd (IRMCo)



Université Libanaise (UL)



Centre des Recherches et des Technologies des Eaux (CERTE)



Centre International des Technologies de l' Environnement de Tunis (CITET)



Entidad de Saneamiento y Depuración de la Región de Murcia (ESAMUR)

Brings a 21st century VISION for the reuse of treated wastewater in the Mediterranean Region through the setting up of a cross-border Alliance of decision makers, researchers and private actors.

The project is carried out with the financial assistance of the European Union under the ENI CBC Mediterranean Sea Basin Programme.



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Coordination

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Towards Sustainable Treatment and Reuse of Wastewater in the Mediterranean Region



Popular water reuse technology

Our **eco-innovative APOC technology**, which combines Anaerobic digestion, Photocatalytic Oxidation and a Constructed wetland, is set to capture the imagination of professionals and the public alike. Our hybrid set up not only augments water supply all year round but also produces biogas and fertilizer, setting a good example for the **circular economy**. It will create new, thriving biodiversity habitats as a visible **climate change mitigation measure**. And, not least, it operates on solar energy, ensuring a **low cost of operation**.

A people's centred approach

Participatory GIS



Augments water supply all year round

Paving the way for future investment

The involvement of the people living around the **pilot demonstration sites in Lebanon, Spain and Tunisia** will be assured through the use of **participatory GIS** to capture their vision in **Local Action and Investment Plans for the reuse of 900,000 m³ of treated effluent**. **Capacity building** in our APOC wastewater treatment technology foresees the training of **180 local engineers and technicians**. And moreover, the **participation of women** in all of our planned activities will be actively encouraged.

Embraces circular economy principles

Anaerobic digestion



Recovers biogas and fertilizer

Turns areas into reactional attractions

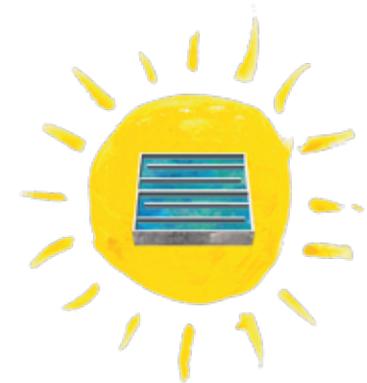
Constructed wetland



Creates a thriving biodiversity habitat

Ensures low cost of operation

Solar treatment



Operates on solar energy