

INNOVATIVE WATER DESALINATION TECHNIQUES FOR A SUSTAINABLE FUTURE: Registration for the MEloDIZER School is open!

The EU-funded MEloDIZER project is proud to announce the **MEloDIZER School**, a groundbreaking training opportunity for Ph.D. candidates and early-career researchers in the fields of engineering, material chemistry, geology, and agriculture. The School, titled "*Innovative Water Desalination Techniques: Design and Implementation*", will take place from **April 7th to April 10th, 2025, at Politecnico di Torino (Italy)**.

This training program is designed to equip participants with the knowledge and practical skills required to tackle global water challenges through **advanced water desalination processes**. The curriculum emphasizes thermally driven techniques and their integration with renewable energy sources. Participants will explore a wide range of topics, including experimental and modelling tools for real-world applications. Through **hands-on laboratory work**, attendees will collaborate in teams to produce freshwater from saline sources, analyse the results, and present their findings, fostering both technical and collaborative skills.

The MEloDIZER School is tailored **for Ph.D. candidates and young researchers** in relevant fields, offering an unparalleled opportunity to enhance their academic and professional trajectories. Participants will receive a certificate of attendance to verify their credits: 5 credits will be assigned to Politecnico di Torino students and other Italian universities.

To inspire and guide participants, the program features **mentorship and presentations by globally renowned experts**, including top researchers, industry leaders, and pioneers in water management, desalination, and renewable energy from institutions such as Politecnico di Torino, University of Arizona, Plataforma Solar de Almeria, Aalborg University, and more. Their expertise spans advanced desalination techniques, renewable energy integration, and cutting-edge membrane technologies.

The MEloDIZER School is not just a training program; it is a platform for **building connections**. Participants will have the opportunity to engage with peers, mentors, and professionals from diverse backgrounds, paving the way for impactful collaborations.

Do not miss this chance to join a dynamic community at the forefront of water desalination and renewable energy innovation.

For **free** registration and further information: <https://www.melodizer.eu/melodizer-school/>



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About Melodizer Project:

The MEloDIZER project, funded by the European Union under the Horizon Europe program with a contribution of more than 7 million euros, brings together a consortium of 18 partners from 9 European Union countries, plus Switzerland and Israel. The project is coordinated by Politecnico di Torino (Italy), it has started on December 1st, 2022, and it will end in November 2026.

The MEloDIZER project aims to revolutionize water treatment and reuse by advancing Membrane Distillation (MD) technology. Through innovative designs and sustainable materials, the project seeks to reduce water consumption, enable zero-waste desalination, and support industries and communities in addressing water scarcity.

MEloDIZER will demonstrate membranes, modules, and components in four MD prototypes in operational environments: specifically, two demos will be demonstrated in industrial settings, while two demos for drinking water production. Versions of the MD technology have already been validated in real environments, but MEloDIZER will provide improved and currently missing core membrane components, and additional technology transfer in new and more appropriate implementations.

Project Full Title

SUSTAINABLE MEMBRANE DISTILLATION FOR INDUSTRIAL WATER REUSE AND DECENTRALISED DESALINATION
APPROACHING ZERO WASTE

Project Acronym

MEloDIZER

Grant Agreement Number

101091915

Topic

HORIZON-HLTH-2021-DISEASE-04-04

Total cost and EU contribution

EUR 7,007,470.74

Duration

48 months

Project Coordinator

Politecnico di Torino (POLITO)

Project Website

www.melodizer.eu

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