



Funded by  
the European Union

**MEASURED**

**HORIZON-CL4-2022-RESILIENCE-01-14**

# MEMBRANE SCALE UP FOR CHEMICAL INDUSTRIES

The project MEASURED aims at developing and demonstrating at TRL7 advanced membrane materials for Pervaporation, Membrane Distillation and Gas Separation technologies applied to acrylic ester production, membrane manufacturing and gas separation from a carbon capture & utilization (CCU) stream.

At the end of the project, the integrated MEASURED technologies will reach a TRL7 demonstration over 20,000 hours operation under (industrial) operational conditions. MEASURED includes a thorough multiscale modelling and simulation techniques including a full Life Cycle Assessment and addresses the societal implications to increase the acceptance and further market readiness.

The interdisciplinary consortium – overall 17 participants: 2 SMEs, 7 industries and 8 Universities/research centers – will comprehensively study the development of advanced materials, reactor design and process configuration to identify the most sustainable options from a demonstration, techno-economic and environmental point of view.

Call: HORIZON-CL4-2022-RESILIENCE-01

Type of Action: HORIZON-CL4-2022-RESILIENCE-01-14 - Membranes for gas separations - membrane distillation (IA)

Acronym: MEASURED

Duration: 48 months

Total Cost: € 9,515,555.50

EU Contribution: € 7,971,406.00

Contact: Prof. Efrem Curcio (e.curcio@unical.it)



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No. 101091887