PRESS RELEASE

MemCCSea
Innovative membrane systems for CO_2 capture and storage at sea

MemCCSea Final Dissemination and Networking Event
Opportunities and Challenges for the Decarbonization of the Maritime Sector

The MemCCSea EU research project and CERTH organize a dissemination and networking event which aims to present the key project results in a wider audience while providing a forum for discussion in the general frame of shipping industry decarbonization. The event "**Opportunities and Challenges for the Decarbonization of the Maritime Sector**" aims to bring together ship owners, classification societies, technology providers, marine engineers, policymakers and will consist of concise presentations of the MemCCSea technology and its marinization potential by project partners, followed by two round table discussions aiming to provide an expert forum for discussing the technical, environmental, financial and societal implications of integrating CCS and other decarbonization technologies in the shipping sector. The event will be held in the Stavros Niarchos Foundation Cultural Centre in Athens on Friday 14 October 2022.

The MemCCSea project is among the very few projects world-wide that aim to develop **hyper-compact systems for post-combustion CO_2 capture** *specifically designed and optimized* ***for the maritime sector*** and define strategies for its ***integration in the ship powerplant (marinization).*** The developed membrane technology, displays significant advantages over conventional scrubber technologies, such as substantially higher efficiency and reduced volume, issues that are crucial in the shipping industry. The MemCCSea technology aims for **a 10 times smaller volume and 25% lower costs than conventional scrubbing systems** with a recovery of **more than 90% of the main engine CO_2 emissions**.

MemCCSea is funded by the EU through the ACT (Accelerating CCS Technologies) ERANET program and is a consortium of leading universities, research centers and industrial partners from Europe and the USA under the coordination of CERTH. Consortium members include Fraunhofer-IKTS (Germany), NTNU (Norway), NETL/DoE (USA), DNV (Greece) and DBI-GUT (Germany). The leading shipping company EURONAV also participates as an associate consortium member. The project commenced in November 2019 and finishes in October 2022.