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Øresund-Kattegat-Skagerrak



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EU Funding for the development of carbon capture, utilization and storage (CCUS) in the Øresund Region

Project financing from Interreg Øresund-Kattegat-Skagerrak will support the establishment of a cross-border collaboration platform aimed at accelerating the use of renewable energy through CCUS (Carbon Capture, Utilization, and Storage) in the Øresund region, paving the way for the production of sustainable fuels.

Building on a successful pre-project focused on mapping specific areas of action, the initiative now moves from analysis to implementation with a

three-year project, bringing together Danish and Swedish strengths in a Center of Excellence. The ambition is to make CCUS an integrated, cross-border element of the energy system, where captured biogenic CO₂ is combined with green hydrogen and renewable energy to produce fuels for shipping and aviation.

With a total budget of just over 1.2 million EUR and an EU contribution of approximately 740.000 EUR, the project includes analysis of synergies in the CCUS value chain, market development and the establishment of a green CCUS corridor, political strategy and policy development, international marketing of the Øresund region as a CCUS hub, as well as financing and partnerships for future initiatives. These work packages will together create a solid foundation for a lasting Center of Excellence that maintains and further develops the project's results after completion.

Copenhagen Malmö Port (CMP), through its innovation hub Ocean Valley, is the lead project partner, and the consortium also includes E.ON Energy Infrastructure, Green2x, Nordion Energi, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping, Sustainable Business Hub Scandinavia, SYSAV, Öresundskraft, CLEAN, and Copenhagen Capacity. Based on the initial analyses, joint strategies and action plans will be developed for areas such as value chain synergies, CO₂ commercialisation, political coordination, international branding, and financing. Opportunities for future regional initiatives within the EU will also be explored, focusing on interconnecting energy systems across borders and strengthening supply security and the green transition in Europe.

“With the EU funding, we can bring together stakeholders across borders and systematically move from isolated national initiatives to exploring how we can best support a coordinated, cross-border ecosystem for CCUS and renewable energy. The goal is to translate knowledge, strategies, and collaboration into concrete regional results that accelerate CCUS development in the region. The Center of Excellence can become the permanent collaboration platform that supports implementation and scalability in the long term,” says Kristoffer Møller Vendelbo, Project Manager for Ocean Valley.

The EU project cements CMP's strong position in CCUS and regional energy logistics. By providing land, infrastructure, and a commercial position in the value chain for testing and demonstration, CMP and the project partners can

offer practical solutions for CO₂ handling, intermediate storage, and integration with green energy production. The project contributes to CMP's existing efforts, including the establishment of a CO₂ hub in Malmö and collaboration with Green2x on large-scale biomethane production at the port.

“The project emphasizes that CMP and Ocean Valley, together with the project partners, play a strategic key role as a hub for regional CCUS logistics in the Øresund region. With our infrastructure, partner network, and strong maritime position, we can help realize a CCUS corridor in Øresund, reduce emissions, and support the supply of sustainable fuels for the future, which are in high demand. This is a strategic step for both CMP and the region – and a concrete contribution to Europe’s green transition,” says Barbara Scheel Agersnap, CEO, Copenhagen Malmö Port.

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