



2022 United Nations Ocean Conference Side Event

EU-SCORES: Demonstrating the potential of multi-source offshore renewable energy farms

1 July 2022, 10:00 Lisbon Time, Virtual

Organized by: EU-SCORES project

In the face of climate change and energy security concerns in Europe (exacerbated by the political instability caused by the Russian invasion to Ukraine), the transition to endogenous low carbon electricity generation is more important than ever.

Offshore renewable energy is clean, abundant, and powerful, having been recognized by the European Commission as key to the energy transition in the EU. However, as the share of offshore wind in the energy mix increases, challenges related to generation intermittency, curtailment during peak wind times, shadowing effects, and competition for marine space are expected to arise and hinder the development of offshore renewable energy.

[EU-SCORES](#) is a highly ambitious EU-funded project aimed at demonstrating and unlocking the large-scale potential of multi-source, offshore renewable energy farms across different European sea basins. In this 4-year project (running from September 2021 until October 2025), this will be achieved through two highly comprehensive and impactful demonstrations:

1. An offshore solar PV system in Belgium, co-located with a bottom fixed windfarm;
2. A wave energy array in Portugal, co-located with a floating wind farm

The full-scale demonstrations will prove how the increased power output and capacity installed per km² will reduce the amount of marine space needed, thereby leaving more space for aquaculture, fisheries, shipping routes and environmentally protected zones, while carefully assessing environmental and supply chain aspects of such technologies.