JOINT WEBINAR ON OCEAN ENERGY TECHNOLOGIES FOR BLUE ECONOMIES IN SMALL ISLAND DEVELOPING STATES (SIDS) 30 NOVEMBER 2020

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AIM OF THE WEBINAR

- To contribute to the envisaged *Ocean Energy Platform for Blue Economies*, advocated by UNIDO and SIDS DOCK, in close coordination with CCREEE and PCREEE (the Global Network of Regional Sustainable Energy Centers), and other partners.

- The Platform goal is to build a virtual infrastructure where private sector (industry and research players) can cooperate to test new solutions in various climates and contexts; and the SIDS and coastal developing countries to get access to technology and expertise, that facilitates the commercial deployment of viable ocean energy systems.

AIM OF THE WEBINAR

- **The Platform will raise awareness and facilitate the exchange of information and expertise on different ocean energy technologies and their potential to help SIDS in addressing issues such as lowering energy cost, employment generation, reducing the negative trade balances due to petroleum imports, and new challenges posed by a changing climate (reduction in freshwater, reduction on fish catch due to warming oceans and bleaching of coral) and generating alternate industries to replace those that are already being negatively negatively impacted such as agriculture and fisheries.**

AIM OF THE WEBINAR

- The Platform will also create awareness on the potential contribution of ocean energy to the implementation of *Blue Economy Strategies* of SIDS, and contribution to the international GHG emissions reduction targets

- **To contribute to achieving the SIDS DOCK 2023 Strategy for the Commercial-scale Deployment of Ocean-based SIDS-Appropriate Energy Technologies**

- Indicate the beginning of the process for the launch of the Ocean Energy Programme at the Vienna Energy Forum (VEF) proposed for July 2021, in Austria

The 2023 Strategy for the Commercial-scale Deployment of Ocean-based SIDS-Appropriate Energy Technologies

- June 2004, researchers from the Institute of Ocean Energy Research (IOER) at Saga University, Saga, Japan, The University of the West Indies Centre for Environment and Development (UWICED), and the Alliance of Small Island States (AOSIS) decided that deployment of OTEC technology in SIDS should be a priority for collective action, given the uniqueness of the technology, and fit environment and development facing SIDS to implement the BPOA.

- Since 2012, Member states of the SIDS DOCK and the SIDS DOCK Secretariat have been advocating for OTEC research and development and recruiting partners for the preparation of studies and formation of a special interest group among SIDS, to expedite deployment of commercially viable Ocean Energy Co-generation Systems in SIDS not just for energy, but mariculture, food security, etc.

The 2023 Strategy for the Commercial-scale Deployment of Ocean-based SIDS-Appropriate Energy Technologies

- January 2005, at the 2nd UN International Conference on SD in SIDS, held in Mauritius a demonstration scale OE systems.
- July 2012 , in Barbados at planning meeting discussing the SIDS DOCK Platform and Programmes, ocean energy was established as a priority Sustainable Development technology, by AOSIS Heads of State and Government.
- September 2017 - SIDS DOCK Assembly approves the Ocean Energy Work Programme
- September 2018 MOU signed with Naval Energies.
- April 2020: SIDS DOCK establishes an Ocean Energy Core Working Group to advance the Ocean Energy Programme and to provide a framework for cooperation among the Partners.

“DOMINIQUE”: A 100 KW Ocean Thermal Energy Conversion Pilot Plant located on Kumejima Island, Japan (2013)

- Converted former cold water, fisheries research facility, provides validation of OTEC’s potential on a small island with limited land-based natural resources.
- The cold water from the plant now supports an industrial estate employing more than 200 people on 20 hectares of industrial estate representing more than 20 percent of island GDP.