

## **Advancing Osmotic Energy and RED: Optimising the Water-Energy Nexus with Salinity Gradient Power Technology and Brine Valorisation**

3 June 2022, 14:30 – 16:30 CET | Online

EU GREEN WEEK 2022 PARTNER EVENT

- 14:30 Welcome by Professor Giorgio Micale, University of Palermo, Italy
- 14:35 Brief Introduction to INES – Salinity Gradient Energy Initiatives – Global Overview – Dr. Frank Neumann, Director, IMIEU
- 14:45 Importance of Circular Economy Approaches in Renewable Energies – Dr. Ruud Kempener, Deputy Head of Unit Renewables and CCS Policy, Directorate-General Energy, European Commission
- 15:05 Global Resources for Salinity Gradient Power Generation – Prof. Oscar Alvarez, Universidad del Norte, Baranquilla, Colombia
- 15:15 Generation of Power from Geothermal Brine – Lars Pedersen, CEO Saltpower, Denmark
- 15:25 RED Technology: Power Generation where Rivers and Sea meet – Pieter Hack, Chairman of the board REDstack, The Netherlands
- 15:35 Application of Nanotechnology for Generating Electricity from Osmotic Energy – Nicolas Heuzé, CEO Sweetch Energy, France (tbc)
- 15:45 Challenges concerning the Upscaling of Brine Valorisation (Lithium, Rare Earth materials) – Assistant Prof. Alessandro Tamburini, University of Palermo, Italy
- 15:55 Panel Discussion: What can be the contribution of Salinity Gradient Power Generation for establishing a Circular Economy in emerging countries?  
  
Moderated by Prof. Nalan Kabay, Ege University, Turkey  
  
Panelists: Dr. Ruud Kempener, Deputy Head of Unit Renewables and CCS Policy, Directorate-General Energy, European Commission, Prof. Fernando Tadeo, University of Valladolid, Spain, Dr. Ziomara De La Cruz Barragán, Universidad Nacional Autónoma México, Mexico
- 16:25 Closure of the Meeting