

World Soil Day - Drought and agriculture

Sustainable food productions in drought affected areas towards new circular economy approaches: conventional/unconventional water resources and innovative management solutions

5th December 2023 – 5:00 pm - 6:30 pm
Italian Pavillion - Expo Doha 2023
Qatar

ICE, with the scientific collaboration of ENEA, organizes an event to discuss the close relationship between water, food production and the need to ensure resources in a sustainable manner, through actions and solutions relating to energy, soil and water resource management, in an integrated vision, according to the circular economy paradigm. A particular focus will be given to the connection between energy, water, soil and food production, introducing innovative and integrated solutions under the “nexus” paradigm and wastewater treatment plants management, as factories for water and nutrient recovery.

Agenda

5:00 pm - **Introduction** - Marco Sargenti – ICE

5:05 pm - **“Integrating innovative “drop per crop” solutions to enhance food security within the framework of Nexus paradigm”** - Nicola Colonna, Division for Biotechnologies and agroindustry – ENEA, Italian Agency for new technologies, energy and sustainable economic development

5.25 pm - **“Development of Halotolerant bacteria-based fertilizer for a sustainable agriculture under saline irrigation”**- Imen Saadaoui, Centre for Sustainable development, Department of Biological and Environmental Sciences - Qatar University

5:45 pm - **“Promoting open-field agricultural activities in Qatar using unconventional inputs”** - Helmi Hamdi, Food & Water Security Program, Center for Sustainable Development - Qatar University

6:05 pm – **“Treated wastewater as unconventional resource in the view of Circular Economy”**- Marco Ferraris, Laboratory Technologies for efficient use and management of water and wastewater - ENEA, Italian Agency for new technologies, energy and sustainable economic development

6:25 pm - **Closing remarks – Q&A**