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NEWSLETTER

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RESources in Coastal groundwater Under hydroclimatic Extremes (RESCUE)

RESCUE STAKEHOLDER EVENT SUCCESS

The Invisible Reserve: Freshwater Under the Sea

On Monday 23 March, UNESCO World Water Day was marked in Trieste by a public event dedicated to a precious yet little-known resource: the freshwater reserves hidden beneath the seabed. The stakeholder meeting, organized by **National Institute of Oceanography and Applied Geophysics – OGS** , the **University of Trieste (UNITS)**, and the **Polo Tecnologico Alto Adriatico,** in collaboration with the **Autonomous Region of Friuli Venezia Giulia (FVG),** brought together researchers, institutions, and stakeholders to explore new frontiers in sustainable water resource management.

The focus was the activities and results of the Project RESources in Coastal groundwater Under hydroclimatic Extremes (RESCUE), funded by Water 4 All and co-funded by the European Union.

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The primary objective of the RESCUE project is to build knowledge of deep-coastal and offshore low salinity aquifers in European coastal areas, to evaluate novel water resources and to help secure a steady supply of water to both population and industry in times of hydroclimatic extremes.

RESCUE website

RESources in Coastal groundwater
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After a short series of scientific presentations, a roundtable discussion brought together experts from the environmental, economic, and institutional worlds to discuss the opportunities and challenges associated with the sustainable use of these resources.

The morning concluded with the launch of a project community, designed to strengthen the dialogue between research, institutions, and the local community. Stay tuned for more info soon on the project community!

RESCUE at Ca' Foscari Sustainability Talks in Venice

Members of the OGS team from RESCUE were met with a full room in the Aula Baratto at the **Department of Philosophy and Cultural Heritage (DFBC) Sustainability Talk** of **University of Ca' Foscari** in Venice on 29 April.

Prof. Angelo Camerlenghi (OGS) kicked off the morning talk by giving a presentation titled *The water we didn't know existed. What to do with it?*, before researcher Corinna Guerra of Ca' Foscari moderated a dialogue on *Visions and Practices of Sustainability,* during which she explored the science behind underground freshwater, and onshore and offshore aquifers with Cristina Corradin (OGS), posed questions on rights, ownership and legislation to Emma Mazzotta (OGS) and questioned Sophie Burton Pogledic (OGS) on the communications strategy and participatory approach behind the RESCUE Project.

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New RESCUE publications

Two papers have been published, with partners in the RESCUE team as main authors and co-authors. Topics include *Integrated Multi-Scale Hydro - geophysical Characterisation of a Coastal Phreatic Dune Aquifer: The Belvedere–San Marco Case Study (NE Italy),* and *Offshore fresh (or freshened) Groundwater: Research achievements and future perspectives*.

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New England Shelf Hydrogeology - Expedition 501

The **European Consortium for Ocean Research Drilling (ECORD)** has issued a press release following the conclusion of its onshore sampling phase of sediment cores retrieved from deep below the sea floor during the IODP³-NSF Expedition 501 off the New England coast last year, an international scientific expedition previously reported by the RESCUE Project. For the first time, a science team directly documented and extensively sampled a freshened water system beneath the ocean floor. This major discovery comes from the initial analyses of sediment cores recovered during an international scientific expedition led by Co-Chief Scientists Professor Brandon Dugan (Colorado School of Mines, Golden, USA) and Professor Rebecca Robinson (Graduate School of Oceanography, University of Rhode Island, USA). Cristina Corradin (OGS), who is a researcher on RESCUE, was part of the international sampling team in Bremen.

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