

## Conference Programme

	Themes	Programme/Speaker	Time	Details
Day1	Mapping and Characterizing Global OFG Systems - I	Welcome Registration	08:30	Collection of Participant packages, coffee/tea
		Aaron Micallef Ariel T. Thomas	09:00	Opening address and OFF-SOURCE Overview
		Thematic Overview	09:15	Mapping and Characterization of Global OFG Systems
		Ihab	09:30	Holistic Spatial Decision-Support Approach for Offshore Freshened Groundwater Exploration
		van Geldern	09:45	From shore to sea: A hydrogeologist's view on offshore freshened groundwater
		Lipparini	10:00	Unconventional groundwater exploration in Sicily (Italy): an overview
	Coffee Break		10:15	
	Mapping and Characterizing Global OFG Systems II - IODP Expedition 501	Rebecca Robinson (Invited talk)	10:30	IODP3-NSF Expedition 501: Offshore Freshened Groundwater in the New England Continental Shelf
		Gamboa	10:50	Sedimentology of an offshore freshened groundwater system in the New England continental shelf: insights on aquifer and confining unit characteristics from IODP3- NSF Expedition 501
		ten Hietbrink	11:05	Radiocarbon dating in OFG exploration: a case study from IODP3-NSF Expedition 501
		Longeau	11:20	Dissolved noble gases as unique tracers of how and when OFG was emplaced: the New England continental shelf case study
		Azzopardi, Camerlenghi	11:35	Xjenza Malta Internationalisation Funding
	Lunch break		12:00	
	Mapping and Characterizing Global OFG Systems - III	Paldor	13:15	Submarine faults strongly influence the hydrogeologic dynamics of offshore freshened groundwater reservoirs
		Rossi	13:30	Freshened groundwaters offshore the Adriatic Sea: the role of Middle-Late Pleistocene climatic cycles
		Corradin	13:45	Offshore freshened groundwater in the Northern Adriatic Basin: Evidence from integrated 3D modelling and hydrochemical data
		Susmelj	14:00	Methodological approaches for understanding offshore freshened groundwater – case study from Izola, Slovenia
		Micallef	14:15	Characterisation of offshore freshened groundwater systems on the Ross Sea shelf
	Coffee break		14:30	
	Mapping and Characterizing Global OFG Systems - III	Lobo	14:45	Evidences of offshore freshened groundwater off a dynamic deltaic system, northern margin of the Alboran Sea, western Mediterranean
		Kotsev	15:00	An underexplored resource: offshore freshened groundwater potential of the northwestern black sea shelf
	Innovative Methods and Technologies for OFG Exploration - I	Thematic Overview	15:15	Innovative Methods and Technologies for OFG Exploration
		Bertoni	15:30	Data-driven analytical workflows for offshore fresh groundwater detection from legacy well data
Paepen		15:45	Constraining Fresh Submarine Groundwater Discharge Using CPT and ERT: A Belgian case study	
Panel discussion		16:05	OFG Modelling and Characterization: Lessons Learned and Outlook Rebecca Robinson   Daniel Zamrsky   Katrin Schwalenberg   Robert van Geldern	
End of Day		17:00		
<b>Icebreaker and Networking Reception 18:00-20:00</b>				

	Themes	Programme/Speaker	Time	Details	
Day2	Innovative Methods and Technologies for OFG Exploration - II	Marion Jegen (Invited Talk)	09:00	Integrated Geophysical OFG Exploration in Different Geological Environments	
		Haffert	09:20	AI-quifer – Predicting offshore freshened groundwater (OFG) occurrences through the application of artificial intelligence	
		Lipparini	09:35	Regional Groundwater Thermal Modelling of the Gela Deep Aquifer in Southern Sicily (Italy)	
		Chiacchieri	09:50	Coastal Fresh Groundwater extending Deep Offshore Southern Sicily (Italy): Assessment of the Ragusa Aquifer via Petrophysical and 3D Hydrogeological Modelling	
		Poster session	10:05	Poster Session	
	Coffee Break			10:45	
	The Future of OFG: Sustainability, Governance, and Economic Feasibility - I	Thematic Overview		11:00	The Future of OFG: Sustainability, Governance, and Economic Feasibility
		Tschaikowski		11:15	Feasible OFG Sites in Europe and a Data-Driven Workflow for Preliminary Volume Assessment
		Bellières (Invited Talk)		11:30	Advancing Sustainable Desalination in the Mediterranean
		Hamid		11:50	Beneath or Beyond the Sea: Cost and Risk Trade-offs between Offshore Groundwater (Zanzibar Channel) and Desalination (Sidi Ifni-Morocco).
	Lunch break			12:05	
		Zamrsky		13:15	Extracting offshore freshened groundwater - potential impacts on marine ecosystems and coastal fresh groundwater
		Avşar		13:30	An Assessment of the Environmental Impacts of Offshore Freshened Groundwater Utilization
		Guedes Pereira		13:45	Lessons from the Oil and Gas Industry
		Zanella		14:00	Participatory Governance of Offshore Freshened Groundwater: a Benchmarking Framework for Sustainable Decision-Making
		Mazzotta		14:15	Governance of OFG Aquifers from Lenses of EU Regulatory Frameworks and Public International Law
		Coffee break			14:30
	The Future of OFG: Sustainability, Governance, and Economic Feasibility -III	Panel discussion		14:45	OFG Utilization Challenges: Impacts, Environment and Economy Sampson Bellières   Trevon Joseph   Helene Ruden
		Jimenez Garcia-Carriazo		15:30	Offshore Freshened Groundwater in the Area: Legal Uncertainty Between Resource Exploitation and Biodiversity Conservation
		Nieves Zarate		15:15	Regulatory and environmental obligations of coastal states within UNCLOS to exploit natural resources. How does it apply to OFG?
Martin-Nagle			15:30	Buried Treasure: Governance of Seabed Resources	
Ochonu			15:45	Designing Legal Thresholds for Responsible OFG Abstraction: A Risk-Based Regulatory Model for Long-Term Sustainability	
Juma			16:00	Submerged but Unclaimed: A case study of UK OFG in relation to UNCLOS	
End of Day			17:00		

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Day 3	OFF-SOURCE Management Committee Meeting		09:00	The OFF-SOURCE COST Action Management Committee — the network's governing body, representing members from over 26 countries — holds its formal meeting alongside the Final Conference to oversee Action activities and chart the path forward for offshore freshened groundwater research.
	Coffee Break			10:30
	Public Town hall Meeting	RESCUE - OFF-SOURCE Town Hall	10:45	Join researchers from the OFF-SOURCE and RESCUE Water4All projects for an open dialogue on the future of water — from hidden offshore aquifers to climate-resilient solutions for coastal regions facing increasing water stress
End of Day			12:15	