

## 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	
		Peleli	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	
		Poster Pitches	11:35	Two minute pitches by poster presenters	
	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	
		Lipparini	14:15	Emplacement and preservation mechanisms of deep freshened groundwater in the Gela Aquifer (Sicily, Italy)	
	Coffee break			14:30	
	Innovative Methods and Technologies for OFG Exploration - I	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	
		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	
Day 2	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	
		Del Bianco	14:00	Participatory Governance of Offshore Freshened Groundwater: a Benchmarking Framework for Sustainable Decision-Making	
		Mazzotta	14:15	Governance of OFG from Lenses of EU and International Environmental Regulatory Frameworks	
	Coffee break			14:30	
	The Future of OFG: Sustainability, Governance, and Economic Feasibility -III	Panel discussion	14:45	Unlocking Offshore Freshened Groundwater 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		
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	