




YOU MARES²⁰²²13
Conference for young marine researchers

Future Oceans
Science for resilient marine
ecosystems

Berlin, 11-14 Oct 2022



**2021
2030** United Nations Decade
of Ocean Science
for Sustainable Development


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Conference for young marine researchers



DEUTSCHE
GESELLSCHAFT FÜR
MEERESFORSCHUNG



Youmares 13 Future Oceans – Science for Resilient Marine Ecosystems

Day 1- 11.10.2022

Hour:	Activity
10:00-11:00	DGM Annual Meeting (online)
11:00-12:00	
12:00-13:00	
13:00-14:00	
14:00-15:00	DGM Ocean Forum (online)
15:00-16:00	
16:00-17:00	
17:00-18:00	
18:00-19:00	
19:00-20:00	Icebreaker (onsite)
20:00-21:00	

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Day 2 - 12.10.2022

Hour:	Activity				Place
7:00 - 8:00	Registration				Registration desk
8:00-8:15	Opening	Diana Rico YOUMARES			Onsite
8:15-8:30	Keynote speaker 1	Dr. Davide Seveso	Seeking resistance in coral reefs: cellular aspects of the coral stress response in a changing ecosystem		onsite Room
Hour:	Presentation	Name of the speaker	Title		Online/Onsite/Video
8:30-8:45	1.0	Enrico Montalbetti (Host)	Manganese benefits heat-stressed corals at the cellular level		onsite
8:45-9:00	1.1	Janina Leonie Röckner	The walking octopus: Physiological responses of the common octopus, <i>Octopus vulgaris</i> , to emersion		onsite
9:00 - 9:15	1.2	Marie Sieberns	Microbial composition of the corals <i>Pocillopora verrucosa</i> and <i>Porites lutea</i> from distinct reef sites in the Andaman Sea, Thailand		onsite
9:15-9:30	2.0	Matteo Tomasini (Host)	Effects of counteracting environmental drivers on species' range		onsite
9:30-9:45	2.1	Weronika Patuła	Comparison of zooplankton communities in the West Spitsbergen fjords of contrasting environmental conditions (Svalbard Archipelago)		onsite
9:45-10:00	2.2	Rubén Tournier-Broer	Effects of a marine heat wave on the neustonic cnidarian community off the Catalan Coast, NW Mediterranean Sea		online
10:00-10:15	Coffee break				
10:15-10:30	2.3	Daniele De Angelis	A guided user interface to model species distribution in the marine environment		onsite
10:30-10:45	4.0	Camilo Escobar-Sierra (Host)	The influence of seasonal patterns on the metabolomic fingerprint of the edible sea urchin <i>Paracentrotus lividus</i>		onsite

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10:45-11:00	4.1	Willemien de Kock	Palaeoproteomics resolves ancient sea turtle distributions from fragmented mid-Holocene Mediterranean archaeological remains	onsite
11:00-11:15	4.2	Nauras Daraghmeh	Combining DNA metabarcoding and co-occurrence network analysis to unravel bacterial metazoan diversity and interactions in Red Sea coral reefs	onsite
11:15-11:30	5.0	Silja Denise Kröger (Host)	Leaching of accompanying and transformation products from plastics	onsite
11:30-11:45	5.1	Daniel Menéndez	On the road to extinction: Microplastics in the critically endangered European eel (<i>Anguilla anguilla</i>)	onsite
11:45-12:00	5.2	Valerio Isa	Impact of environmentally relevant microplastic concentration combined with thermal stress on the tropical coral <i>Pocillopora damicornis</i>	onsite
12:00-13:00	Lunch			
13:00-13:15	Keynote speaker 2	Dr. Ferenc Jordán	Towards making simple predictions from complex food webs	On site or On line
13:15-13:30	5.3	Dinesh Lakshitha	Investigation of the beach cleanliness at Charty Beach, Jaffna, Sri Lanka	online
13:30-13:45	5.4	Sandra Ratsimaharilala	Microplastics ingestion by pelagic and demersal fishes from Southwest Madagascar	onsite
13:45-14:00	5.5	Aikaterini Kostoula	Microplastic ingestion in commercial fish species from the Greek Seas	online
14:00-14:15	5.6	Inés Sánchez del Río	Is atmospheric fallout a relevant source of microplastics to coastal waters?	onsite
14:15-14:30	5.7	Verdiana Vellani	Physiological combined effects of microplastic and heat waves in the Mediterranean coral <i>Astroides calycularis</i>	onsite
14:30-14:45	6.0	Conor MacDonnell (Host)	Potential applications of a sustainable wastewater recovery product in seagrass restoration	online
14:45-15:00	6.1	Wendo Marco Lukwambe	Restoration and conservation of endangered mangroves and sea turtle species, Tanzania	online
15:00-15:15	6.2	Edwin Zafimampiravo Hubert	Remote sensing and field-based approach to support coral reef resilience management in Madagascar	onsite
15:15-15:30	6.3	Emmanuelle Descourvières	<i>Fucus virsoides</i> in the Adriatic Sea: a glacial relict in the era of climate change	onsite
15:30-15:45	Coffee break			
15:45-16:00	6.4	Julie Pezin	Mineral accretion – supported coral restoration: In situ experiment to test effects of cleaning and electrification schedules on four hard coral species during one year	onsite

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Day 2 - 12.10.2022

16:00-16:15	6.5	Gry Overvad Frederiksberg	Greenhouse gas dynamics in a tidal marsh area in Denmark: the role of managed realignment in climate adaptation and mitigation	onsite
16:15-16:30	6.6	Dea Fauzia Lestari	Biomonitoring of marine species diversity in Indonesia Port using eDNA metabarcoding	onsite
16:30-16:45	6.7	Roger Guzmán-Rodríguez	3D printed coral restoration as a method of fish aggregation	onsite
16:45-17:00	6.8	Rainbow W.S. Leung	Optimizing the design of eco-engineered shoreline: A case study in Hong Kong	online
17:00-17:15	7.0	Gregorio A. López Moreira M (Host)	Reasons why the development of new custom-tailored models is still warranted and should be encouraged in aquatic sciences	onsite
17:15-17:30	7.1	Virág Fábrián	Predicting the sign of trophic effects: individual-based simulation versus loop analysis	online
17:30-17:45	7.2	Mariana Hill-Cruz	Contrasting responses of Peruvian anchovy and hake to fishing pressure scenarios in an ecosystem model	onsite
17:45-18:00	7.3	Anett Endrédi	Who is where in marine food webs? A trait-based analysis of network positions	onsite
18:00	Closing the day			

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Day 3 - 13.10.2022

Hour:	Activity				Place
7:30 - 8:00	Registration				Registration desk
8:00-8:15	Keynote speaker 3	Dr Christian Voolstra		online	Room
Hour	Presentation	Name of the speaker	Title	Online/Onsite	
8:30-8:45	8.0	Ivan Rocabado (HAEDES), Natalia Strigin (HAEDES), Salomé Mormentyn (HAEDES) (Hosts)	Better Informed - Better Sustained: Simple tools to understand complex ecosystems for a responsible a fair use		
8:45-9:00	8.1	Laura Cannarozzi	Assessment of the natural capital and function efficiency associated to Cystoseira amentacea forest	onsite	
9:00 - 9:15	8.2	Reice Kerr	Biorefining UK seaweed to produce sustainable functional protein products	onsite	
9:15-9:30	10.0	Leila Kittu (Host)	Managing the ocean's carbon dioxide removal potential: Effectiveness, verifiability and ecosystem impacts	onsite	
9:30-9:45	10.1	Antonia Thielecke	The potential of pelagic Sargassum for ocean-based carbon sequestration	onsite	
9:45-10:00	10.2	Carl Lim	The effects of ocean alkalinity enhancement on biogeochemical processes and phytoplankton	onsite	
10:00-10:15	Coffee break				
10:15-10:30	11.0	Stina Kolodzey (Host)	Life history traits vary between geographically distinct populations in a protogynous hermaphrodite	onsite	
10:30-10:45	11.1	Sandra Ranaivomanana	Spatial and temporal dynamics of reef fish resources in the Bay of Ranobe fishery, southwestern Madagascar	onsite	
10:45-11:00	11.2	Jan Droll	Length-based assessment of an exploited coastal pike stock and the crucial role of growth and mortality for assessment outcomes	online	
11:00-11:15	11.3	Aygün Karlı	Concept proposal for fishery technologies in the context of public policy: Blue information technology	onsite	

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Day 3 - 13.10.2022

11:15-11:30	11.4	Oona Bientreou	Expansion and ecological footprint of the tropical tuna purse seine fishery	online	
11:30-11:45	11.5	Konstancja Woźniacka	Spatial structuring of Western Mediterranean landings in relation to their seasonal and long-term fluctuations	online	
11:45-12:00	11.6	Ramajeyam Gobiraj	Bycatch of elasmobranchs in the artisanal fishery operating off Jaffna, northern Sri Lanka	online	
12:00-13:00 Lunch					
13:00-13:15 Keynote speaker 4					
13:15-13:30	11.7	Yansong Huang	Understanding the behaviour of tropical tuna purse-seiners: Separation of fishing modes (FADs vs free-swimming schools) based on trajectories	online	
13:30-13:45	13.0	Giovanni Farina (Host)	MOSE-induced circulation patterns in a simplified model of the Venice Lagoon	onsite	
13:45-14:00	13.1	Svenja Ehlers	Overview of different designation processes to establish protection or exclusion zones around shipwrecks	onsite	
14:00-14:15	13.2	Naseeba J. Sidat	Improving shark conservation and leverage resilience among coastal fishing communities in Center Mozambique	Onsite	
14:15-14:30	14.0	Rhodelyn C. Saban (Host)	Precipitation variability in the last millennium in Lamon Bay, Quezon, Philippines	online	
14:30-14:45	15.0	Lorena C. Cojoc (Host)	Kelp microbiomes benefits to the test: bacterial isolation, characterization, and an application test to increase kelp stress resilience under global change conditions	onsite	
14:45-15:00	15.1	Adèle CANDONI	Model and observations integration to investigate Mercury cycling in the Mediterranean Sea	online	
15:00-15:15	15.2	Federico Cerri	Bioprospecting of Maldivian soft coral: chemical ecology and cytotoxic activity of their secondary metabolites with a focus on the biochemical investigation of their effect against anticancer cell lines	online	
15:15-15:30	15.3	Artash Nath	Monitoring underwater anthropogenic noise levels in global oceans: Using COVID-19 lockdown as baseline	online	
15:30-15:45 Coffee break					

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15:45-16:00	15.4	Rachel Haderlé	First study of bottlenose dolphins (<i>Tursiops truncatus</i>) of the white back morphotype in Guadeloupe: Evidence of their fidelity to the archipelago and of the existence of social groups	online	
16:00-16:15	15.5	Asier Indart Ibargutxi	Thermal plasticity of the giant kelp <i>Macrocystis pyrifera</i> across life stages	onsite	
16:15-16:30	15.6	Lucia Foresto	Comparison among methods for the assessment of non-indigenous species in fouling communities	onsite	
16:30-16:45	15.7	Simona Iannucci	What remain of the ecological role of the ecosystem-engineer species <i>Pinna nobilis</i> (Bivalvia: Pteriomorphia) after the last (2016-2022) Mass Mortality Event (MME)? A North Adriatic Sea case study	onsite	
16:45-17:00	15.8	Sophie Valerie Schindler	Deep sea floor images show distribution and diversity of Antarctic octopods	onsite	
17:00-17:15	15.9	Marco Fianchini	Toward an integrated modeling framework for fine-scale NIS invasion risk assessment in the Mediterranean Sea: <i>Caulerpa cylindracea</i> as a case study.	onsite	
17:15-17:30	15.10	Josep Rotllant	How fish color their skin? Mc2r a new actor in pigmentation development	online	
17:30-17:45	Closing conference	Diana Rico YOUMARES			
17:45-20:00	WTW evening	ALDEBARAN Marine Research & Broadcast, Mission Ocean, Sun&Sea Tech			



Youmares 13 Future Oceans – Science for Resilient Marine Ecosystems

Day 4 - 14.10.2022

Hour:	Workshop	Title	Host	Place	N° Participants
8:00-10:00	1	"Connecting to the ocean: Learning to consider varying perspectives in marine conservation research"	Juliette Aminian Biquet, Alfredo Garcia de Vinuesa, Anjali Gopakumar, Paula Kellett, Rebecca Zitoun	Online/Onsite	-
	2	Basis of stress biomarker research in marine organisms (Part 1)	Dr. Yohan D. Louis, Dr. Enrico Montalbetti, Dr. Davide Seveso	Onsite	12
10:00-13:00	2	Basis of stress biomarker research in marine organisms (Part 2)	Dr. Yohan D. Louis, Dr. Enrico Montalbetti, Dr. Davide Seveso	Onsite	12
	3	Restoring corals in the Caribbean: insights on techniques and challenges	Solène Jonveaux , Maria-Paula Sidaoui Haddad and Maria Miron Alvarez. Our director, Colleen Flanigan	Onsite	20
14:00-16:00	4	How to mitigate harbor porpoise (<i>Phocoena phocoena</i>) bycatch in the Baltic Sea through innovative approaches?	Thaya, Sara and Hannah	Onsite	-

