



  
**YOU MARES<sup>2022</sup>13**  
Conference for young marine researchers

Future Oceans  
Science for resilient marine  
ecosystems

Berlin, 11-14 Oct 2022



DEUTSCHE  
GESELLSCHAFT FÜR  
MEERESFORSCHUNG



Sea & Sun  
Technology



YOUMARES 13 Future Oceans - Science for Resilient Marine Ecosystems					
Program overview					
	Tuesday	Wednesday	Thursday	Friday	
Hour	11 oct	12-oct	13-oct	14-oct	
8:00		Hybrid Conference day 1	Hybrid Conference day 2	Conference WS 1 & 2 (Onsite)	
9:00	DGM Annual Meeting (online, only DGM members)			Conference WS 2&3 (onsite)	
10:00				Conference WS 2&3 (onsite)	
11:00				Conference WS 2&3 (onsite)	
12:00				Conference WS 4 (onsite)	
13:00					
14:00	DGM Ocean Forum (online, only DGM members)				
15:00					
16:00					
17:00					
18:00					
19:00	Icebreaker (Onsite)				WTW evening (onsite)
20:00					WTW evening (onsite)
21:00					
DGM Annual Meeting - online					
DGM Ocean Forum - online					
Hybrid Conferece day 1 & 2 - streamed					

# Youmares 13 Future Oceans – Science for Resilient Marine Ecosystems

Day 1- 11.10.2022

Hour:	Activity
10:00-11:00	DGM Annual Meeting (online, only DGM members)
11:00-12:00	
12:00-13:00	
13:00-14:00	
14:00-15:00	DGM Ocean Forum (online, only DGM members)
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	

# Youmares 13 Future Oceans – Science for Resilient Marine Ecosystems

## Day 2 - 12.10.2022

Hour:	Activity			Online/Onsite
7:00 - 8:00	Registration			
8:00-8:15	Opening	Diana Rico YOUMARES		Onsite
<b>8:15-8:30</b>	<b>Keynote speaker 1</b>	<b>Dr. Davide Seveso</b>	<b>Seeking resistance in coral reefs: cellular aspects of the coral stress response in a changing ecosystem</b>	<b>onsite</b>
Hour:	Presentation	Name of the speaker	Title	
<b>8:30-8:45</b>	<b>1.0</b>	<b>Enrico Montalbetti (Host)</b>	<b>Manganese benefits heat-stressed corals at the cellular level</b>	<b>onsite</b>
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
<b>9:15-9:30</b>	<b>2.0</b>	<b>Matteo Tomasini (Host)</b>	<b>Effects of counteracting environmental drivers on species' range</b>	<b>onsite</b>
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
<b>10:30-10:45</b>	<b>4.0</b>	<b>Camilo Escobar-Sierra (Host)</b>	<b>The influence of seasonal patterns on the metabolomic fingerprint of the edible sea urchin <i>Paracentrotus lividus</i></b>	<b>onsite</b>
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
<b>11:15-11:30</b>	<b>5.0</b>	<b>Silja Denise Kröger (Host)</b>	<b>Leaching of accompanying and transformation products from plastics</b>	<b>onsite</b>



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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	<b>Keynote speaker 2</b>	<b>Dr. Ferenc Jordán</b>	<b>Towards making simple predictions from complex food webs</b>	<b>online</b>
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	<b>Conor MacDonnell &amp; Franciszek Bydalek (Host)</b>	<b>Potential applications of a sustainable wastewater recovery product in seagrass restoration</b>	<b>online</b>
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	Emmanuelle Descourvières	<i>Fucus virsoides</i> in the Adriatic Sea: a glacial relict in the era of climate change	onsite
15:15-15:30	6.3	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
15:30-15:45	Coffee break			
15:45-16:00	6.4	Gry Overvad Frederiksberg	Greenhouse gas dynamics in a tidal marsh area in Denmark: the role of managed realignment in climate adaptation and mitigation	onsite
16:00-16:15	6.5	Dea Fauzia Lestari	Biomonitoring of marine species diversity in Indonesia Port using eDNA metabarcoding	onsite
16:15-16:30	6.6	Roger Guzmán-Rodríguez	3D printed coral restoration as a method of fish aggregation	onsite

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## Day 2 - 12.10.2022

16:30-16:45	6.7	Rainbow W.S. Leung	Optimizing the design of eco-engineered shoreline: A case study in Hong Kong	online
16:45-17:00	6.8	<b>Gregorio A. López Moreira M (Host)</b>	<b>Reasons why the development of new custom-tailored models is still warranted and should be encouraged in aquatic sciences</b>	<b>onsite</b>
<b>17:00-17:15</b>	<b>7.0</b>	Virág Fábrián	Predicting the sign of trophic effects: individual-based simulation versus loop analysis	online
17:15-17:30	7.1	Mariana Hill-Cruz	Contrasting responses of Peruvian anchovy and hake to fishing pressure scenarios in an ecosystem model	onsite
17:30-17:45	7.2	Anett Endrédi	Who is where in marine food webs? A trait-based analysis of network positions	online
17:45-18:00	Closing the day			

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## Day 3 - 13.10.2022

Hour:	Activity			
7:30 - 8:00	Registration			
<b>8:00-8:15</b>	<b>Keynote speaker 3</b>	<b>Dr Christian R Voolstra</b>	<b>Coral reefs and climate change - Mitigating the ecological collapse</b>	<b>online</b>
<b>Day 2</b>	<b>Presentation</b>	<b>Name of the speaker</b>	<b>Title</b>	<b>Online/Onsite</b>
<b>8:30-8:45</b>	<b>8.0</b>	<b>Léticia Weber (Host)</b>	<b>Better Informed - Better Sustained: Simple tools to understand complex ecosystems for a responsible a fair use</b>	<b>Onsite</b>
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
<b>9:15-9:30</b>	<b>10.0</b>	<b>Leila Kittu &amp; Nicolas Sanchez (Host)</b>	<b>Managing the ocean's carbon dioxide removal potential: Effectiveness, verifiability and ecosystem impacts</b>	<b>onsite</b>
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			
<b>10:15-10:30</b>	10.3	Joaquin Ortiz	Phytoplankton functionality under artificial upwelling	onsite
10:30-10:45	10.4	Malte Jürchott	Artificial upwelling- a new narrative	onsite
10:45-11:00	10.5	Katarzyna Kowalczyk	A techno-economic assessment of ocean alkalinity enhancement	onsite
11:00-11:15	10.6	Rebecca Bährle	From environmental CODH enzymes to industrial application: Development of an activity-based screen to identify novel CODHs	onsite
11:15-11:30	<b>11.0</b>	<b>Stina Kolodzey (Host)</b>	<b>Life history traits vary between geographically distinct populations in a protogynous hermaphrodite</b>	<b>online</b>

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## Day 3 - 13.10.2022

11:30-11:45	11.1	Jan Droll	Length-based assessment of an exploited coastal pike stock and the crucial role of growth and mortality for assessment outcomes	online
11:45-12:00	11.2	Aygün Karlı	Concept proposal for fishery technologies in the context of public policy: Blue information technology	onsite
12:00-13:00	Lunch			
13:00-13:15	11.3	Oona Bienentreu	Expansion and ecological footprint of the tropical tuna purse seine fishery	online
13:15-13:30	11.4	Konstancja Woźniacka	Spatial structuring of Western Mediterranean landings in relation to their seasonal and long-term fluctuations	online
13:30-13:45	11.5	Ramajeyam Gobiraj	Bycatch of elasmobranchs in the artisanal fishery operating off Jaffna, northern Sri Lanka	online
13:45-14:00	11.6	Yansong Huang	Understanding the behaviour of tropical tuna purse-seiners: Separation of fishing modes (FADs vs free-swimming schools) based on trajectories	online
14:00-14:15	13.0	<b>Giovanni Farina (Host)</b>	<b>MOSE-induced circulation patterns in a simplified model of the Venice Lagoon</b>	onsite
14:15-14:30	13.1	Svenja Ehlers	Overview of different designation processes to establish protection or exclusion zones around shipwrecks	onsite
14:30-14:45	14.0	<b>Rhodelyn C. Saban (Host)</b>	<b>Precipitation variability in the last millennium Lamon Bay, Quezon, Philippines</b>	online
14:45-15:00	15.0	<b>Lorena C. Cojoc (Host)</b>	<b>Kelp microbiomes benefits to the test: bacterial isolation, characterization, and an application test to increase kelp stress resilience under global change conditions</b>	onsite
15:00-15:15	15.1	Adèle CANDONI	Model and observations integration to investigate Mercury cycling in the Mediterranean Sea	online
15:15-15:30	Coffee break			
15:30-15:45	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



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## Day 3 - 13.10.2022

15:45-16:00	15.3	Artash Nath	Monitoring underwater anthropogenic noise levels in global oceans: Using COVID-19 lockdown as baseline	online
16:00-16:15	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
16:15-16:30	15.5	Lucia Foresto	Comparison among methods for the assessment of non-indigenous species in fouling communities	onsite
16:30-16:45	15.6	Simona Iannucci	What remain of the ecological role of the ecosystem-engineer species <i>Pinna nobilis</i> (Bivalvia: Pteriomorpha) after the last (2016-2022) Mass Mortality Event (MME)? A North Adriatic Sea case study	onsite
16:45-17:00	15.7	Sophie Valerie Schindler	Deep sea floor images show distribution and diversity of Antarctic octopods	onsite
17:00-17:15	15.8	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	15.9	Priyanka Soni	How fish color their skin? Mc2r a new actor in pigmentation development	online
17:30-17:45	15.10	Alessia Rota	Genetic screening of MHC IIb genes in small-spotted catshark families ( <i>Scyliorhinus canicula</i> )	onsite
17:45-18:00	15.11	Sébastien Guillermin	Genetic Characterization of Humpback Whales ( <i>Megaptera novaeangliae</i> ) in the Northeast Madagascar Breeding Ground	onsite
18:00-18:15	15.12	Vitòria Milanez Scrich	Co-responsibility in marine litter monitoring: what are the roles of each sector?	onsite
18:15-18:30	Closing conference	Diana Rico YOUMARES		
18:30-19:00	Poster session			
19:00-20:00	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