

**ICYMARE
2022 BREMERHAVEN**

Program



Program (13 & 14. September 2022)



ICYMARE
International Conference for
YOUNG Marine Researchers

Tuesday, 13th September 2022

18:00 - 21:00

ICEBREAKER

Wednesday, 14th September 2022

7:00-9:00

REGISTRATION & WELCOME COFFEE

Main Hall

9:00 - 9:15

OPENING

9:15 - 10:45

KEYNOTE – "The Arctic Ocean in the Ocean Decade"
Julia Olsen from the Nordland Research Institute, Norway
PLENARY DISCUSSION – "ECRs navigating the marine sciences in the Ocean Decade"

Main Hall

10:45 - 11:00

COFFEE BREAK

Main Hall

11:00 - 11:45

SCIENCE SPEED MEETING

S318

11:45 - 12:30

PARALELL SESSION

Session 1.1 (part 1)		Session 2.6	
11:45 – 12:30	"SCIENCE AS THE BEST SHIELD FOR OUR OCEANS.": EARLY CAREER OCEAN PROFESSIONALS AND MARINE CONSERVATION	11:45 – 12:30	AQUATIC ANIMAL TELEMETRY
hosted by Jorge Moreno & Fiona-Elaine Strasser		hosted by Eleanor Greenway & Jena Edwards	
	S207		S201
1.1.1	Habitat suitability of the whale shark <i>Rhincodon typus</i> in the Eastern Tropical Pacific. by <i>Walter Ernesto Pisco Limones</i>	2.6.2	Telemetry based study of northern pike movement in the southern Baltic Sea: space use, connectivity, and implications for management by <i>Olga Lukhyanova</i>
1.1.2	Study on By-catch, Reproduction and Postmortem Examinations of Marine Snakes of Sri Lanka by <i>Mannage Lenin Indrajith De Silva</i>	2.6.3	Diel vertical migrations of the blonde skate (<i>Raja brachyura</i>) and the spotted skate (<i>R. montagui</i>) in the Northeast Atlantic by <i>Eleanor Greenway</i>
1.1.3	Life-history of Icelandic minke whales <i>Balaenoptera acutorostrata</i> using scar-based analysis by <i>Miguel Pisco</i>		

12:30 - 13:30

LUNCH BREAK

13:30-15:30

PARALELL SESSION

Session 1.1 (part 2)		Session 2.1		Session 5.1	
13:30 – 14:45	"SCIENCE AS THE BEST SHIELD FOR OUR OCEANS.": EARLY CAREER OCEAN PROFESSIONALS AND MARINE CONSERVATION	13:30 – 14:45	MONITORING IN MARINE- ALTERNATIVE METHODS FOR SUSTAINABLY MONITORING MARINE WILDLIFE & RESOURCES	13:30 – 14:15	MATHEMATICAL ANALYSIS OF MARINE COMMUNITIES
hosted by Jorge Moreno & Fiona-Elaine Strasser		hosted by Constanze Hammett		hosted by Ellen Oldenburg	
	S207		S201		S318
1.1.4	Influence of oceanographic and atmospheric parameters on the abundance on whale sharks in La Paz Bay by <i>Tristan Wünnemann</i>	2.1.1	Old problems, new solutions: analysis approaches to estimate fishing effort of small-scale fisheries in the German Baltic Sea by <i>Thaya Mirinda Dinkel</i>	5.1.1	Cluster-wise Abundance Forecasting for F4 location around the Fram Strait using Machine Learning by <i>Raphael M. Kronberg</i>
1.1.5	MESO_Alboran: and innovative project to explore and protect mesophotic communities of Alboran Sea. by <i>Alfredo Rosales Ruiz</i>	2.1.2	Monitoring and highlighting of fishing gears impact on vulnerable elasmobranchs species in the Alboran Sea (West of Algerian coast) by <i>Ahmed Inal</i>	5.1.3	Predicting spatio-temporal distributions of Arctic gelatinous zooplankton in Fram Strait in a changing environment by <i>Dmitrii Pantukhin</i>
1.1.6	Knowledge Co-Production in the Marine Sciences - Meeting the Needs of ECRs by <i>Lena Rölfer</i>	2.1.3	A south Mediterranean country's demand on available marine biomass: Assessment and orientations by <i>Sonia Alrour</i>	5.1.2	Modelling the effect of climate change and nutrient saturation on dinoflagellate spring blooms in the Baltic Sea by <i>Pia Marina Falter</i>
1.1.7	Silence of Global Oceans: Using Open Data to Measure Acoustic Impact of the COVID-19 Lockdown by <i>Artash Nath</i>	2.1.4	Optical-acoustic methods to study Marine Protected Areas by <i>Alberto Garcia Baciero</i>		
1.1.8	OutBe: the citizen science start-up connecting outdoor sports and marine conservation by <i>Arianna Liconti</i>	2.1.5	The golden opportunity - biomonitoring sandy beach marine biodiversity using environmental DNA by <i>Heath Cook</i>		

Program (14. September 2022)



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Session 1.5

14:45 - 15:30 **WHAT IS AT STAKE? – SOCIO-ECOLOGICAL SYSTEMS IN THE ANTHROPOCENE**
hosted by Frane Madiraca & Helene Gutte
S207

15.1 Reef islands in SE Asia and their response to changes in the environment
by *Yannis Kappelmann*

15.2 Diagnosing governance challenge in milkfish aquaculture village, a case study in Pangkah Wetan, Indonesia
by *Citra Fitri Riary*

15.3 Slipping away! Socio-ecological system approach to provide insights into reviving the slipper lobster fishery
by *Shubha Singh*

Session 5.2

14:15 - 15:30 **ACROSS THE SEASONS: SEA ICE IN ALL ITS FACETS**
hosted by Hannah Niehaus & Linda Thielke
S318

5.2.1 Calculating Drag Coefficients from NASA's ICESat-2 Satellite Altimeter
by *Alexander Mchedlishvili*

5.2.2 Assessing SAR Capabilities for Producing Arctic Sea Ice Concentration
by *Jozef Rusin*

5.2.3 Remote sensing of melt ponds on Arctic sea ice – impressions from aircraft and helicopter campaigns since 2010
by *Lena G. Buth*

5.2.4 Triangular Perspective on the alteration of Sea ice
by *Hayat Nasirova*

5.2.5 Automatic mapping of ice internal stratigraphy
by *Hameed Moqadam*

15:30 - 15:45 **COFFEE BREAK** Main Hall

15:45 - 18:00 **PARALELL SESSION**

Session 1.2

15:45 - 17:45 **FROM SCIENCE TO POLICY: VARIOUS CONSERVATION CONCEPTS AND CONTEXTS**
hosted by Sonia Akrou & Solomon Sebuliba
S207

1.2.1 From Ice to Water - The Role of Science for a More Dynamic Approach to Ocean Management in the Polar Regions
by *Katharina Heinrich*

1.2.2 Turning the tide on protection illusions: The underprotected MPAs of the 'OSPAR Regional Sea Convention'
by *Julia Roessger*

1.2.3 The benthic community of the pilot oyster reef at Borkum Reef Ground (North Sea)
by *Miriam Corinna Niewöhner*

1.2.4 Spearfishing: tools for sustainable management
by *João Sordora dos Santos*

1.2.5 From the ocean to the plate: A value chain analysis to address conservation knowledge gaps in artisanal mobulid fisheries in Sri Lanka
by *Hélène Buchholzer*

1.2.6 How Biologically informed are Indian coastal fisheries policies
by *Mayuresh Gangal*

1.2.7 Catalysing Blue Growth: A roadmap for balancing economic and environmental forces in coastal regions
by *Jessica Giannoumis*

1.2.8 Post-harvest regeneration dynamics of stalked barnacle patches in the SW European coast
by *Victor Gómez*

Session 2.4

15:45 - 17:00 **FROM TAXA AND TRANSECTS TO TRAITS AND METABARCODING – PROGRESSION IN STUDYING MARINE BIODIVERSITY**
hosted by Eileen Heße & Kim Ellen Ludwig
S201

2.4.1 A functional perspective: Trait-based approaches in vulnerability and ecosystem state assessments
by *Frane Madiraca*

2.4.2 A functional perspective on the driving factors behind coastal macrophyte carbon stocks in the Tvärminne archipelago, Finland
by *Roel Lammerant*

2.4.3 The phylogeography of two Beroe species in the Arctic Ocean based on one mitochondrial and one ribosomal marker
by *Meret N. Jucker*

2.4.4 Using metatranscriptomics to disentangle seasonal functional diversity of North Sea microeukaryotic plankton
by *Michiel Perneel*

2.4.5 Bridging the gap between morphological and molecular identification of diatoms
by *Brishan Kalyan*

Session 5.5

15:45 - 17:30 **VARIABILITY AND TRENDS IN THE MAJOR OCEANIC GATEWAYS TO THE ARCTIC FROM LARGE- TO SUBMESOSCALE**
hosted by Zertina Hofmann & Finn Heukamp
S318

5.5.1 Sea-ice derived meltwater stratification slows the biological carbon pump: results from continuous observations
by *Wilken-Jan von Appen*

5.5.2 Atlantic Water Circulation in Nordic Seas: Role of Large-Scale Atmosphere-Ocean Dynamics and Influence on Sea-Ice Concentration
by *Sourav Chatterjee*

5.5.3 Understanding the Temperature Variability in Fram Strait through the Use of Complementary Observation Datasets
by *François Challet*

5.5.4 Subduction as Observed at a Sub-Mesoscale Front in the Marginal Ice Zone in Fram Strait
by *Zertina Hofmann*

5.5.5 Impact of Cyclonic Wind Anomalies Caused by Massive Winter Sea Ice Retreat in the Barents Sea on Atlantic Water Transport towards the Arctic
by *Finn Heukamp*

5.5.6 Rapid Trends in Barents Sea Opening Heat Transport
by *Ole Rieke*

5.5.7 Circulation Changes Derived from CFCs and SF6 along Two Transects in the Arctic Ocean
by *Wiebke Körtke*

Session 1.3

17:45 - 18:00 **THE FUTURE OF MARINE RESEARCH: A GROWING NEED FOR INTEGRATING SOCIAL AND NATURAL SCIENCES IN THE FACE OF CLIMATE CHANGE**
hosted by Emily Chen
S207

1.3.1 Biographical perspectives of small-scale Baltic fishers to understand social-ecological transformations
by *Marjan Braun*

18:00 - 21:00 **POSTER SESSION** Main Hall

Program (15. September 2022)



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Thursday, 15th September 2022

8:30-9:00 **REGISTRATION & WELCOME COFFEE** *Main Hall*

9:00 - 9:15

OPENING

9:15 - 10:00

KEYNOTE: "Where Art meets Science.."

Main Hall

Caroline Ngorobi from Jukwaa Arts Productions, Kenya

10:00-10:45 **PARALELL SESSION**

Session 1.4		Session 2.3		Session 5.4 (part 1)	
10:00 - 10:45	WEAVING INDIGENOUS KNOWLEDGE INTO YOUNG MARINE RESEARCH hosted by Megan Ranapia & Natalie Prinz <i>S207</i>	10:00 - 10:30	BIOBANKING, BIOPROSPECTING, BIODIVERSITY hosted by Darya Chernikhova <i>S201</i>	10:00 - 10:45	OF WHIRLS AND WAVES: EXPLORING THE IMPACTS OF SMALL-SCALE MOTIONS IN THE OCEAN hosted by Nicolas Dettling & Simon Reifenberg <i>S318</i>
1.4.1	Weaving indigenous knowledge into marine research, case studies from Canada and Aotearoa New Zealand by <i>Megan Ranapia & Natalie Prinz</i>	2.3.1	The benefits of long-term databasing of cetaceans in Skjálfandi Bay, Iceland by <i>Charla Jean Basran</i>	5.4.1	Of whirls and waves: Exploring the impacts of small-scale motions in the ocean by <i>Stephan Juricke</i>
1.4.2	Toitū te Mauri - Designing and studying mauri (life-force) in experimental research by <i>Heni Unwin</i>	2.3.2	Open up the black box of "The Unknowns" creation of an open access platform for marine fungi holding polyphasic described model-organisms by <i>Miriam Phoebe Sternel</i>	5.4.2	Scattering and Refraction of Low-Mode Internal Tides by Interaction with Mesoscale Eddies by <i>Zoi Kourkouraidou</i>
1.4.3	The Hidden Gems for Conservation - Indigenous and Local Knowledge of Fishers in Fiji by <i>Salanieta Kitotelei</i>			5.4.3	Quantifying Spectral Energy Transfers in the Eastern South Atlantic using Satellite Data by <i>Emelie Breunig</i>

10:45 - 11:00 **COOFFE BREAK** *Main Hall*

11:00-12:30 **PARALELL SESSION**

Session 1.7		Session 2.5		Session 5.4 (part 2)	
11:00 - 12:00	MARINE RESOURCES: ECONOMICAL INTEREST AND POLLUTANTS hosted by Marta Moriano Ortiz <i>S207</i>	11:00 - 12:15	MOLECULAR TOOLS IN MARINE BIOLOGY: FROM METHODS TO APPLICATIONS hosted by Paulina Urban, Lara Jansen, Yassine Kasmi & Anna Joelle Greife <i>S201</i>	11:00 - 12:15	OF WHIRLS AND WAVES: EXPLORING THE IMPACTS OF SMALL-SCALE MOTIONS IN THE OCEAN hosted by Nicolas Dettling & Simon Reifenberg <i>S318</i>
1.7.1	Traceability implications for heavy metal risks in commercial seafood by <i>Marta Pilar Moriano Ortiz</i>	2.5.1	Range expansions of scyphozoan jellyfish – the case study of <i>Periphylla periphylla</i> and <i>Cyanea capillata</i> by <i>Niko Steiner</i>	5.4.4	The Influence of Topography on Mesoscale Ocean Mixing by <i>Miriam Sterl</i>
1.7.2	Integrated methodologies for the tracking of illegally traded glass eels by <i>Hugo Campillo Gancedo</i>	2.5.2	Who's there? A comprehensive eDNA metabarcoding survey of gelatinous zooplankton biodiversity in the Fram Strait by <i>Ayla Murray</i>	5.4.6	Modulation of a Dissipation Parameterization with time: Mixing over the Reykjanes Ridge by <i>Peter Farrell</i>
1.7.3	Microplastics in marine macrophytes in the Asturian coast by <i>Amaia Kareaga Bilbao</i>	2.5.3	Utility of environmental DNA in biomonitoring of Tanzanian cryptobenthic fishes: Does the environmental DNA approach perform better than the traditional visual census method? by <i>Cretus Mtonga</i>	5.4.7	Mixing along the Weddell Sea Gravity Current by <i>Ole Pinner</i>
1.7.4	Entrepreneurial ecosystem and innovative entrepreneurship: elements for a conceptual framework for red seaweed farming in Madagascar by <i>Mihary Rabearison</i>	2.5.4	Genetic studies in the coral <i>Parazoanthus axinellae</i> for taxonomic determination by <i>Alfredo Rosales Ruiz</i>	5.4.8	The Impact of Submesoscale Dynamics on the Air Sea Exchange by <i>Moritz Epke</i>
12:00 - 12:15	NORTHERN COASTAL COMMUNITIES: TRANSFORMING GOVERNANCE FOR A SUSTAINABLE FUTURE hosted by Maria Wilke <i>S207</i>	2.5.5	eDNA: Reality or Myth? Qualitative and quantitative approach by <i>Yassine Kasmi</i>		
1.6.1	Education for Sustainability Futures Research by <i>Tanya MacDonald</i>				
12:15 - 12:30	DOES TROPHIC-LEVEL MATTER? AQUACULTURE OF MARINE LOW-TROPHIC ORGANISMS hosted by Beatrice Brix da Costa & Lara Elisabeth Stuthmann <i>S207</i>				
1.8.1	Technical feasibility study for the cultivation of the red algae <i>Halymenia durvillei</i> in the South-West of Madagascar by <i>Rakotonandrasana Santatriniaina Nambintsoa</i>				

Program (15 & 16. September 2022)



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12:30 – 13:30 LUNCH BREAK		
13:30 – 18:00 WORKSHOPS		
<p>Acoustic Telemetry - Innovative Solutions for Tracking Aquatic Species</p> <p>Andre Steckenreuter <i>Innovasea - Fish Tracking</i></p>	<p>A quick-start guide to environmental DNA: theory, practice and applications</p> <p>Andrea Barco <i>biome-id Barco & Knebelsberger GbR</i></p>	<p>Connecting Early Career Ocean Professionals with Ocean Observing and Forecasting - EuroSea</p> <p>Fiona-Elaine Strasser <i>GEOMAR Helmholtz-Zentrum für Ozeanforschung Kiel - Project EuroSea</i></p>
<p>Becoming an Ocean Carer</p> <p>Inna Zrajaeva <i>Umeå Institute of Design</i></p>	<p>We Want to Se(a) You as You are - Building an inclusive ICYMARE Community</p> <p>Julia Jung <i>Cobra Collective, Egham, United Kingdom</i></p>	<p>Sustainability in Science</p> <p>Linda Thielke <i>Institute of Environmental Physics, University of Bremen, Bremen, Germany</i></p>

Friday, 16th September 2022

8:30-9:00 REGISTRATION & WELCOME COFFEE Main Hall		
9:00 - 9:15 OPENING Main Hall		
9:15-10:45 PARALELL SESSION		
<p>09:45 - 10:00</p> <p>Session 3.5</p> <p>JUST KEEP SWIMMING: MARINE SPECIES REDISTRIBUTION IN A CHANGING CLIMATE</p> <p>hosted by Annabell Klinke & Svea Vollstedt</p> <p style="text-align: right;">S207</p> <p>3.5.1 Effects of climate change and anthropogenic disturbance on the interaction of two delphinid species: competition or co-existence? by Katharina Leeb</p> <p>3.5.2 Habitat suitability of the whale shark <i>Rhincodon typus</i> in the Eastern Tropical Pacific. by Walter Pisco</p> <p>3.5.3 Geographical distribution and characterization of some non-native species of the Algerian coast by Kenza Ghozal</p>	<p>09:45 - 10:00</p> <p>Session 4.5</p> <p>MARINE FORESTS: AN UNDERESTIMATED ECOSYSTEM?</p> <p>hosted by Florian Stahl & Lea Kappas</p> <p style="text-align: right;">S201</p> <p>4.5.1 The Helgoland kelp forest - First estimation of summer productivity by Kiara Franke</p> <p>4.5.2 Contributions of macrofauna to carbon cycling in <i>Fucus vesiculosus</i> habitats by Eva Karin Rohlfer</p> <p>4.5.3 Microscopic life stages of Arctic kelp differ in their resilience and reproductive output in response to Arctic seasonality by Cláudio Figueira Silva</p>	<p>09:45 - 10:00</p> <p>Session 6.1</p> <p>MARINE BIOTECHNOLOGY - AN OCEAN OF BIOAPPLICATIONS</p> <p>hosted by Cátia Gonçalves & Inês Moutinho Cabral</p> <p style="text-align: right;">S318</p> <p>6.1.1 Advances in the bioprospecting for novel bioreactives from marine invertebrates: Multi-omics and computational strategies by Ana P. Rodrigo</p> <p>6.1.2 Boosting nutrient turnover in Arctic marine oil-degrading biofilms by Jennie Spicker Schmidt</p> <p>6.1.3 Nitrogen and Phosphorus balance of an aquaponic vs hydroponic system with Tilapia and basil by Benedikt Merk</p>
<p>10:00 - 10:30</p> <p>Session 3.7</p> <p>NEW PLASTIC POLLUTION TYPES AND NOVEL SOURCES OF MICROPLASTIC POLLUTION IN MARINE SYSTEMS</p> <p>hosted by Manus Cunningham & Sonja Ehlers</p> <p style="text-align: right;">S207</p> <p>3.7.1 Frequent field observations of novel plastic forms in estuarine habitats by Julius A. Elrich</p> <p>3.7.2 Vertical distribution of microplastics including tire wear particles in the marine environment - A cross section through air, sea surface microlayer and underlying water in Swedish fjord systems by Isabel Goßmann</p>	<p>10:00 - 10:45</p> <p>Session 4.2</p> <p>CORAL REEFS: PAST, PRESENT, AND FUTURE</p> <p>hosted by Jessica Bellworthy & Ronen Liberman</p> <p style="text-align: right;">S201</p> <p>4.2.1 Stress-hardening of corals through thermal pre-conditioning by Erik Francesco Ferrara</p> <p>4.2.2 Bacterial community dynamics of two coral species in the Andaman Sea (Thailand): Towards linking thermal resistance with microbiome traits by Marie Rutsch</p> <p>4.2.3 High molecular weight exudates of hard corals and macroalgae may enhance virus abundance in reef water by Bianca M. Thobor</p>	
10:45 - 11:00 COFFEE BREAK Main Hall		

Program (16. September 2022)



ICYMARE
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11:00-12:30

PARALELL SESSION

Session 3.3		Session 4.6		Session 6.2	
11:00 - 12:00	LONG-TERM ECOLOGICAL OBSERVATIONS TO ASSESS ECOLOGICAL CHANGES IN THE MARINE ENVIRONMENT hosted by Anabel von Jackowski & Magda Cardozo-Mino	11:00 - 11:45	RECENT ADVANCES IN TROPICAL COASTAL ECOSYSTEMS RESEARCH hosted by Fedor Lishchenko & Andrew Balashov	11:00 - 12:00	MARINE ENGINEERING hosted by Max Anders & Noah Becker
	S207		S201		S318
3.3.1	Is the phenology of phytoplankton blooms in the Baltic Sea changing? by Oscar Beltran	4.6.1	Population genetic structure and connectivity of a marine foundation species (<i>Halodule wrightii</i>) inferred from genetic and biophysical methods by Ana I. Tavares	6.2.1	Using a laser distance sensor for volumetric measurements in benthic chambers by Anna Sieve
3.3.2	Reproduction and recruitment patterns of black corals in the Toliara Region, southwest Madagascar by NY AINA MISANDRATRA Edena Salom	4.6.2	Scleractinian coral density and the structure of macrosymbiont community by Roman Petrochenko	6.2.2	Prototyping of a Tethered Undersea Kite to Harvest Energy from Low Velocity Currents by Leonard Günzel
3.3.3	Fish Diversity in the Tidal Region of the River Ems, Northwest Germany by Silvia Blum	4.6.3	Software for coral health assessment by Andrew Balashov	6.2.3	Development of a SubSea battery manager for Li-ion batteries of the AUV PAUL 3000 by Noah Becker
3.3.4	Benthic megafauna in the Arctic Ocean – future dominion by sea cucumbers? by Lillian Boehringer			6.2.4	Redesign of a portable Launch and Recovery System (LARS) for shallow lakes by Jonas Holt
3.3.5	Wiggling in the deep – Diversity of Arctic deep-sea nematodes at the long-term ecological research observatory HAUSGARTEN by Jannik Schnier				
3.3.6	Deciphering the Holocene history of Arctic marine mammals using sedimentary ancient DNA by Lennart Schreiber				
			Session 4.4		
		11:45 - 12:30	ECO-PHYSIOLOGICAL EFFECTS OF CLIMATE CHANGE IN MARINE ANIMALS – BIOLOGICAL STUDIES FROM THE WHOLE ANIMAL TO ITS GENETIC INFORMATION hosted by Nina Krebs		
			S201		
		4.4.1	Impact of rapid temperature rising on reproducing and non-reproducing polar cod (<i>Boreogadus saida</i>) by Nicole Vogt		
		4.4.2	Goby fish populations in intertidal environments: gene networks and epigenetic regulators modulating energy metabolism in response to seasonal warming and local climate regimes by Miguel Nunes		
		4.4.3	Physiological larval fish models as a powerful tool to understand current and future dynamics of Fish Recruitment by Tahereh Nakisa		

12:30 – 13:30

LUNCH BREAK

Program (16. September 2022)



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13:30-15:30

PARALELL SESSION

Session 3.2		Session 4.1 (part 1)		Session 7.1 (part 1)	
13:30 - 14:45	(SUB-)TROPICAL COASTAL ECOSYSTEMS IN A CHANGING ENVIRONMENT hosted by Johanna Berlinghof & Selma Mezger	13:30 - 15:30	INTERACTIONS BETWEEN MARINE SPECIES hosted by Jana Vetter	13:30 - 15:30	OPEN SESSION hosted by Lea Kappas & Anna Joelle Greife
	S207		S201		S318
3.2.1	Seagrass Ecosystems Under Times of Change by <i>Stephanie Helber</i>	4.1.1	A Sticky Situation: Copepod-Diatom Interaction in the Context of Oil Spills by <i>Emiliana Tupper Carabaño</i>	7.1.1	Waves of Freedom by <i>Kyra Lenting</i>
3.2.2	Nitrogen cycling by the <i>Posidonia oceanica</i> holobiont under ocean acidification by <i>Johanna Berlinghof</i>	4.1.2	Studying species interactions on a microscopic scale – how to map, track, and eavesdrop on super tiny stuff by <i>Marrit Jacob</i>	7.1.2	Relationships between metal pollution in female green (<i>Chelonia mydas</i>) and hawksbill (<i>Eretmochelys imbricata</i>) sea turtles of São Tomé Island and their egg composition by <i>Inês Morão</i>
3.2.3	Tropical reef ecosystems and water quality: interlinkage between habitat and nutrient fluxes by <i>Francine M. van Hee</i>	4.1.3	Biodiversity-productivity effects in stony coral assemblages by <i>Jana Vetter</i>	7.1.3	Plasticity of native and invasive crabs to a new generation pesticide: an integrative approach by <i>Lénia Rato</i>
3.2.4	Deciphering the trophic strategy of the widespread, pulsating soft coral <i>Xenia umbellata</i> by <i>Nele Eichhorn</i>	4.1.4	Contact-free modulation of coral productivity by sessile reef organisms by <i>Kara Elena Engelhardt</i>	7.1.4	Protecting the sea living fossil: Frontier Social Conservation Action and Research of Horseshoe Crabs in Indonesia by <i>Rizky Eko Muliawan</i>
3.2.5	The soft coral <i>Xenia umbellata</i> is highly tolerant against key environmental change factors by <i>Selma Mezger</i>	4.1.5	The diet spectrum of fish in South Greenland waters: the role of gelatinous zooplankton as prey by <i>Julia Katharina Throm</i>	7.1.5	Number of primordial follicles in juvenile ringed seals (<i>Pusa hispida</i>) by <i>Britta Schmidt</i>
		4.1.6	DNA metabarcoding uncovers prey diversity overlap among tunas and seabirds of Eastern Tropical Atlantic by <i>Ana Rita Carreiro</i>	7.1.6	Effects of TNT from dumped munitions on fish under the light of climate change by <i>Michael Gabel</i>
		4.1.7	Friend or foe? – Larvae of the invasive Pacific oyster (<i>Magallana gigas</i>) trade-off predator and conspecific cues in their decision making for settlement by <i>Sarah Schmidlin</i>	7.1.7	Measuring the purity of meta-Cresol purple by <i>Rieke Schäfer</i>
		4.1.8	Expansion of the harmful dinoflagellate <i>Alexandrium pseudogonyaulax</i> in Northern European Waters by <i>Kristof Möller</i>	7.1.8	Hydrothermally modified DOM: An analytical perspective on DOM alteration under hydrothermal conditions using radiocarbon dating, FT-ICR-MS, and NMR by <i>Annika Morische</i>
14:45 - 15:30	Session 3.1 CLIMATE CHANGE-BIODIVERSITY-ECOSYSTEM SERVICES NEXUS hosted by Christian Simeoni & Fabiola Espinoza Cordova				
	S207				
3.1.1	Bidirectional interaction between phytoplankton diversity and biomass in the ocean by <i>Livia Oliveira</i>				
3.1.2	Multi-scale modelling of biogeochemical fluxes along the Danube land-sea continuum by <i>Lauranne Alaerts</i>				
3.1.3	A Machine Learning risk-based cumulative impacts assessment on seagrasses in the Mediterranean Sea under a changing climate by <i>Christian Simeoni</i>				

15:30 - 15:45

COFFEE BREAK

Main Hall

Program (16. September 2022)



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15:45 - 17:30			PARALELL SESSION		
Session 3.4		Session 4.1 (part 2)		Session 7.1 (part 2)	
15:45 - 17:30	HOW FAR CAN THEY GO? PUSHING THE LIMITS	15:45 - 16:00	INTERACTIONS BETWEEN MARINE SPECIES	15:45 - 17:30	OPEN SESSION
hosted by Antonia Uthoff, Jasmin Stimpfle & Linda Rehder		hosted by Jana Vetter		hosted by Lea Kappas & Anna Joelle Greife	
S207		S201		S318	
3.4.1	Light, iron and manganese availability: important drivers of Southern Ocean phytoplankton ecology and productivity	4.1.9	The diversity of Mollusca from marine lakes in Raja Ampat, West Papua, Indonesia	7.1.9	Influence of hydrothermal heating on the biogeochemistry of dissolved organic matter in Guaymas Basin sediments
	by <i>Jenna Balaguer</i>		by <i>Ludi Aji</i>		by <i>Jana Günther</i>
3.4.2	The phytoplankton holobiont in a changing Arctic Ocean			7.1.10	Mobilization of petroleum-derived dissolved black carbon in hydrothermal sediments of the Guaymas Basin (Gulf of California)
	by <i>Jakob Giesler</i>				by <i>Melina Knoke</i>
3.4.3	Phytoplankton in the Elbe estuary			7.1.11	Dissolved Organic Sulfur in the North Sea: Is Sulfurization a Mechanism for Recalcitrant Organic Carbon Formation?
	by <i>Nele Martens</i>				by <i>Wiebke Freund</i>
3.4.4	Beyond the optimum: The effect of increasing temperature and N:P supply ratios on the performance of a North Sea phytoplankton community			7.1.12	Unravelling the effects of meio- and macrofauna bioturbation on methanotrophic activity
	by <i>Anika Happe</i>				by <i>Markus Olsson</i>
3.4.5	Blooms in the Baltic Sea: insights into limiting nutrients acclimation strategies of toxic diazotrophic cyanobacteria			7.1.13	Copepod-mediated effects on the biological carbon pump in the subtropical South Atlantic
	by <i>Mariano Santoro</i>				by <i>Livia Oliveira</i>
3.4.6	Cyanobacteria in a changing environment			7.1.14	Parasitic fungi – Small but powerful vampires of phytoplankton
	by <i>Cynthia Medwed</i>				by <i>Anna Feuring</i>
3.4.7	Hydraulic investigation of the effects of artificial structures as restoration facilitator for seagrass			7.1.15	Exploring the Role of Blue Economy in Sustainable Development: A Perspective from Pakistan
	by <i>Lars Kamperdicks</i>				by <i>Shahzad Ali Gill</i>
17:30 - 18:00			FAREWELL		
			Awards for the best talk and poster		
			<i>Main Hall</i>		
20:00 - open end			POST CONFERENCE PARTY		
			<i>Main Hall</i>		

Program (Conference Rooms)



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