



ICYMARE

International Conference for
YOUNG Marine Researchers

PROGRAM

ICYMARE 2025 BREMERHAVEN

8-13 SEPTEMBER 2025



ICYMARE
International Conference for
YOUNG Marine Researchers

WVW
THE BREMEN SOCIETY FOR
NATURAL SCIENCES from 1864

www.icymare.com

PROGRAM
Monday, 8th September 2025



ICYMARE 2025 **BREMERHAVEN**

18:00 - 21:00

ICEBREAKER

Kick off ICYMARE 2025 BREMERHAVEN with free drinks, finger food
and an unforgettable start!

Opening Speech: Simon Jungblut

Thünen Institute of Fisheries Ecology
Herwigstraße 31
27572 Bremerhaven
Germany

PROGRAM

Tuesday, 9th September 2025



8:00 - 9:00

REGISTRATION

Entrance

9:00 - 9:30

WELCOME

Moderation: Carolin Müller & Joey Greife

9:30 - 10:45

KEYNOTE & PLENARY DISCUSSION

Is AI-fueled sustainability a pipe dream? A machine learner's perspective on prospects and technical limitations.

Prof. Dr. Martin Mundt

Session Hall A

10:45 - 11:00

COFFEE BREAK

2.1 Approaches and Challenges in Marine Conservation and Sustainable Use of Marine Life

Hosted by: Olga Lukyanova

Session Hall A

11:00 - 11:15

Community Perspectives on Mangrove Conservation in Eastern Sri Lanka: Insights from Ethnobiological Interviews

Thajudeen Thahira

11:15 - 11:30

Social Dimensions and Marine Conservation: Insights from a Japanese Case Study

Valentina Montesano

11:30 - 11:45

Understanding Socio-economic Drivers of Ray and Shark Consumption in India

Nidhi Johri

3.1 A Sea of Sound: Marine Bioacoustics and Anthropogenic Noise

Hosted by: Fabio Viotti and Catherine Golinvaux

Session Hall B

11:00 - 11:15

Use of fin whale songs for seafloor exploration and its comparison with seismic airguns in the Bransfield Strait, Antarctica

Rosa María Vergara González

11:15 - 11:30

Critical Bandwidths in harbor seals (*Phoca vitulina*) for underwater tonal signals

Kimberly Tuytens

11:30 - 11:45

How increased marine traffic density affects vocalisation-whistles and clicks of the Atlantic Bottlenose dolphin *Tursiops truncatus* in the Aegean Sea.

Timea Szonyi

PROGRAM

Tuesday, 9th September 2025



12:00 - 12:15

Spatial Partitioning Among Large Mesopredators on Coral Reefs

Laura Dehne

3.4 Symbiosis in the Sea: Looking into Complex Interspecific Relationships

Hosted by: Roman Petrochenko and Vadim Merkin

Session Hall B

12:15 - 12:30

IdentiFISH: implementation of novel molecular tools for monitoring mangrove fish communities

Giulia Senna

12:15-12:30

Speciation in Brachycladiid liver flukes, cryptic parasites of marine mammals, with applications for cetacean conservation.

Keir Beaton

12:30 - 12:45

Ecosystem-Based Systematic Conservation Planning in the Bay of Biscay: Is 30x30 Enough?

Olga Lukyanova

12:30 - 12:45

Quantifying the biogeochemical role of the chemosymbiotic lucinid clam *Codakia orbicularis* in nitrogen cycling using a novel experimental system

Lo Larsson

12:45 - 13:00

The influence of the dead surface of coral colonies on the composition and structure of the associated community of ectosymbionts

Roman Petrochenko

13:00 - 13:30

**TRAVEL GRANT
AWARDEE MEET & GREET**

13:00 - 13:30

LUNCH BREAK

13:30 - 14:00

ROUND TABLE

Conference 101

Moderation: L Kappas & Sarah Pascher

Location: TBA

PROGRAM

Tuesday, 9th September 2025



2.1 Approaches and Challenges in Marine Conservation and Sustainable Use of Marine Life

Hosted by: Olga Lukyanova
Session Hall A

14:00 - 14:15

Bridging traditional knowledge and Science: Investigating spawning aggregations of *Siganus sutor* in Southwestern

Madagascar

Helga Berjulie Ravelohasina

14:15 - 14:30

Safeguarding the Sea: Conservation Approaches and Resource Sustainability in Tanjung Bira, South Sulawesi,

Indonesia

Qinthan Aulia

14:30 - 14:45

Is boat anchoring having an effect on blue carbon sequestration in *Posidonia oceanica* meadows?

Héloïse Caraty

5.1 Open Session

Hosted by: Jöran Paap and Theo Krüger
Session Hall B

14:00 - 14:15

Seeding tomorrow's food: rhizoid development and attachment in brown algae

Anagha Kerur

14:15 - 14:30

Physiological and biochemical performance of *Ulva* spp. in land-based recirculating aquaculture systems

Chiara Sickert

14:30 - 14:45

Stinging organelle compositions throughout developmental stages in three Scyphozoan jellyfish species

Seowon Park

14:45 - 15:00

Characteristics of spontaneous- and artificially induced bioluminescent flashes in the comb jelly *Mnemiopsis leidyi*

Gregor Wöhle

15:00-15:15

How sea snakes feel the world; Ecological implications on mechanoreception in *Hydrophis* sea snakes

Alizée Wagner

15:15 - 15:30

Seasonal nesting hotspots and nest site selection of Hawksbill turtles in the south of Mahé, Seychelles.

Charlotte Smith

15:30 - 15:45

Passive acoustic monitoring of harbour porpoises (*Phocoena phocoena*) in the Kiel Bight using fisher-collected data

Anne Eilrich

15:45 - 16:00

COFFEE BREAK

PROGRAM
Tuesday, 9th September 2025



16:00 - 19:00

SOCIAL ACTIVITIES EVENING & PIZZA

Party Game: Pict Perfect

Moderation: L. Kappas

Location: TBA

PROGRAM
Wednesday, 10th September 2025



8:00 - 9:00

REGISTRATION

Entrance

9:00 - 9:45

KEYNOTE

Ocean Literacy & Community Engagement

M.Sc. Anna-Lucia Buer

Session Hall A

**2.3 Coastal Resilience in a Changing
Climate: Sharing Knowledge and Solutions
between Science and Communities**

Hosted by: Victoria Wegner and Jonathan Heimer

Session Hall A

**4.1 Exploring Pathways to Sustainable
Ocean Governance**

Hosted by: Linda del Savio

Session Hall B

9:45 - 10:00

**Numerical Assessment of Oceanographic Variability and
Climate Driven Coastal Dynamics in the Western**

Mediterranean Sea

Smail Souiri

9:45 - 10:00

**From fragmentation to coherence: Governing plastic
pollution in a crowded environmental arena**

Emily Cowan

10:00 - 10:15

**Mapping the social-ecological dynamics of Harmful
Algal Blooms in coastal Peru**

Jelto Makris

10:00 - 10:15

**Accelerating the Advancement of Ecosystem Based
Management in Marine Socio-Ecological Systems: A Case
Study of the Tuscan Archipelago National Park**

Linda Del Savio

10:15 - 10:30

**Blanketing the Seafloor: The Influence of Terrestrial
Peat on Shallow Marine Invertebrate Communities at
Hummock Island, Falkland Islands**

Amy Guest

10:15 - 10:30

**Privatization of marine protected area management: new
governance arrangements in evolving maritime zones**

Carmela Therese Novilla

10:30 - 10:45

**Hanging by a thread? - How Ocean Acidification affects
Mussel Attachment**

Johanna Bürger

PROGRAM

Wednesday, 10th September 2025



10:45 - 11:00

COFFEE BREAK

1.2 Marine Biogeochemistry of Trace Elements in Multiscale Ocean Mixing Processes from Land to Open Ocean

Hosted by: Michael Julian Haryanto

Session Hall B

11:00 - 11:15

Growing hot: Thermal tolerance of a shallow water shrimp across life stages

Madalena Missionário

11:00-11:15

Speciation study of lead in a coastal lagoon and its bioavailability to phytoplankton

Mari Sol Hernández

11:15 - 11:30

Limited capacity for thermal acclimation during marine heatwaves across eelgrass-associated fishes

Elena Tamarit Castro

11:15 - 11:30

Humic-Iron Complexes in the Arctic-Atlantic Outflow: Stability, Transport, and Loss Pathways

Camila Sukekava

11:30 - 11:45

Impact of macro-debris on seagrass ecosystem in Ranobe Bay, South-West Madagascar

Grilante Beva

11:30 - 11:45

Passive samplers (DGTs) as a useful tool for monitoring trace metal levels in a coastal lagoon

Raquel Maria Gutierrez Tirado

11:45 - 12:00

Evaluating the Role of Stakeholder Awareness and Habitat Suitability in Mangrove Restoration Failures in Sri Lanka

Thajudeen Thahira

11:45 - 12:00

Determination of REEs in Seawater and Porewater Using Chelating Resin: Recent Report and Progress for Fine-scale Oceanic Mixing

Michael Julian Haryanto

2.2 Blue Sustainability: Leveraging Marine Resources for Greener Products

Hosted by: Susete Pinteus, Margarida Matias & ICYMARE

Session Hall A

12:00 - 12:15

Hidden Pathway: How Fresh Submarine Groundwater Discharge Transports Terrestrial Strontium via Carbonates to a Tropical Bay

Yiqing Wang

12:30 - 12:45

Algae for Water: A Green Solution to the Desalination Dilemma

Roham Sanjari

12:45 - 13:00

Sustainable approach to reducing metabolic activity in green-lipped mussels (*Perna canaliculus*) for improved live transport

Martin Cheng

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Wednesday, 10th September 2025



13:00 - 13:15

ICYMARE GROUP PICTURE

13:00 - 13:30

LUNCH BREAK

13:30 - 14:00

ROUND TABLE

Mental Health in Academia

Moderation: Joey Greife

Location: TBA

14:00 - 18:00

EXCURSION

Klimahaus Bremerhaven

Coordinator: Hanna Rittinghaus

Location: TBA

14:00 - 18:00

WORKSHOP

Acoustic Telemetry - An Innovative Tool for Tracking Aquatic Animals

Hosted by: Andre Steckenreuter

Location: TBA

14:00 - 18:00

WORKSHOP

**Science Beyond the Lab and Field: Practical Tools for Effective
Science Communication**

Hosted by: Eva Karin Rohlfer & Julia Wenhuda

Location: TBA

14:00 - 18:00

WORKSHOP

Unboxing R

Hosted by: Bryson Yerik Torgovitsky

Location: TBA

PROGRAM
Wednesday, 10th September 2025



14:00 - 18:00

WORKSHOP

**Frontiers' ECR Publishing Workshop – A Practical Guide for Early
Career Researchers**

Hosted by: Joanna Johnson & Ella Hierlehy

Location: TBA

14:00 - 18:00

WORKSHOP

From Pixels to Data: Image Analysis for Marine Researchers

Hosted by: Runa Reuter

Location: TBA

14:00 - 18:00

WORKSHOP

**Advancing ocean observations of marine life through collaboration
and integration**

Hosted by: Lina Mtwana Nordlund & Said Hashim

Location: TBA

14:00 - 18:00

WORKSHOP

Stakeholder Involvement in seagrass restoration

Hosted by: Anna-Lucia Buer

Location: TBA

14:00 - 18:00

WORKSHOP

**Algae – vegetables from the sea to your plate: simple, suitable for
everyday use and sustainable**

Hosted by: Katharina Schaefer

Location: TBA

PROGRAM

Thursday, 11th September 2025



8:00 - 9:00

REGISTRATION

Entrance

9:00 - 9:45

KEYNOTE

Bacteria, Inclusion & Neurodiversity.

Dr. Sahari Garcia

Session Hall A

1.1 Harnessing the Ocean for Climate Action: Innovations and Challenges in Marine Carbon Dioxide Removal

Hosted by: Benjamin Owusu

Session Hall A

9:45 - 10:00

**Transatlantic impact from Saharan dust ballasting on
carbon export**

Runa Reuter

10:00 - 10:15

**Burrows, Biodiversity, and Benthic Function:
Macrofauna's Role in Coastal Carbon Storage in the
Helgoland Mud Area**

Chueh-chen Tung

10:15 - 10:30

**Blue carbon baseline assessment in southern Portugal's
coastal wetlands**

Giulia Bocelli

5.2 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

9:45 - 10:00

**Unraveling pelagic and benthic biodiversity in Tenerife
through eDNA metabarcoding**

Francielle Nogueira De Lima Holtz Santos

10:00 - 10:15

**Networking under pressure: How the environment
shapes fish grouping structures**

Benedikt Merk

10:15 - 10:30

**Is the health of a mangrove forest important towards
the structure of adjacent ecosystems?**

Tia Lawson

10:30 - 10:45

**Sand nourishment impacts meiofauna communities of a
sandy beach**

Iryna Kapshyna

PROGRAM

Thursday, 11th September 2025



10:45 - 11:00

COFFEE BREAK

3.2 Polar Regions in a Changing Climate

*Hosted by: Naomi Krauzig, Marwa Baloza
and Gabriel Akoko Juma*

Session Hall A

11:00 - 11:15

Freezing Fucus: Year round monitoring of temperature stress tolerance of an Arctic intertidal macroalgae.

Milan Beck

5.5 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

11:00-11:15

Influence of biogeochemical processes on the distribution of $\delta^{13}\text{C}$ -DIC in coastal and estuarine systems (SW Spain).

Eva Capilla

5.3 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

11:15 - 11:30

The Effect of Zooplankton Community Structure on The Efficiency of The Biological Pump in The Southern Ocean

Jonas Bolduan

11:15 - 11:30

When night turns to day: Effects of Artificial Light at Night on native and invasive macroalgae from Madeira Island

Karolina Eisenschmid

11:30 - 11:45

Meiofauna communities follow environmental gradients along the Antarctic Peninsula: a metabarcoding study

Jan Nierste

11:30 - 11:45

The impact of salinity and shore height on energy reserves in the beadlet sea anemone, *Actinia equina*

Pascal Lüder

11:45 - 12:00

Assessment of Antarctic marine invertebrate biodiversity using multi-gene DNA metabarcoding

Olena Uzun

11:45 - 12:00

Changes in dietary preferences in of the omnivorous copepod *Temora longicornis* due to temperature

Emma Stempel

12:00 - 12:15

Crude Oil-Induced Epigenomic Alterations In Polar Cod (*Boreogadus Saida*) Reproductive Axis: Insights From Em-Seq

Abby Chapman

12:00 - 12:15

Combined effects of ocean alkalinity enhancement and climate warming on a phytoplankton community of the North Sea

Daniel Franco Lopez

12:15 - 12:30

Zooplankton dynamics in the Fram Strait from 2011 to 2023: Linking abundance, biodiversity, and environmental conditions

Magdalena Dolinkiewicz

12:15 - 12:30

Extreme rainfall and acidification reduce picoeukaryote dominance and photosynthetic efficiency in coastal plankton communities

Juan Vizzo

PROGRAM

Thursday, 11th September 2025



13:00 - 13:30

LUNCH BREAK

13:30 - 14:00

ROUND TABLE

Neurodivergence in Science

Moderation: Sarah Bölker

Location: TBA

3.2 Polar Regions in a Changing Climate

*Hosted by: Naomi Krauzig, Marwa Baloza
and Gabriel Akoko Juma*

Session Hall A

14:00 - 14:15

Warming stimulates biomass accumulation despite lowered net oxygen production in an Arctic phytoplankton community

Linda Rehder

14:15 - 14:30

ATP production efficiency of *Boreogadus saida* at critical temperatures

Katharina Schienbein

14:30 - 14:45

Temperature effect on growth and photosynthetic reactivation after polar night in two kelp species from the Arctic

Pablo Cobos

14:45 - 15:00

Disentangling the structure of an Antarctic plankton food web in bloom and non-bloom conditions

Sarah Mayr

4.2 Stakeholder Interaction: Integration of practitioners, policymakers, and enthusiasts into research and management

Hosted by: Erik Sulanke

Session Hall B

14:00 - 14:15

Seagrass Restoration in the Southern Baltic Sea: An Interdisciplinary Research Approach with Focus on Stakeholder Engagement and Outreach

Anna-lucia Buer

14:15 - 14:30

Analysis of offshore wind energy potential in the context of marine spatial planning and stakeholder engagement in Asturias, Spain

Mariia Kazakova

14:30 - 14:45

Identifying key research priorities for Azores fisheries stakeholders

Alba Haro

14:45 - 15:00

From theory of justice to the assessment of equity in fisheries management systems.

Benjamin Dudouet

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15:00 - 15:15

**Phytoplankton dynamics and cell stress by flow
cytometry in Kongsfjorden during the spring season.**

Librada Ramírez

15:15 - 15:30

**Stable in an unstable environment - Marine Microbial
Communities in the Central Arctic Ocean**

Jannis Hümmling

15:30 - 15:45

**Habitat use of two Antarctic benthic consumers along
glacier-influence gradients: a stable isotope approach**

Pau Bardi Puigdefàbregas

15:45 - 16:00

COFFEE BREAK

16:00 - 18:45

POSTER SESSION & FINGER FOOD

Session Hall A

PROGRAM

Friday, 12th September 2025



8:00 - 9:00

REGISTRATION

Entrance

9:00 - 9:45

KEYNOTE

Recognizing Your Data Skills:

How to Expand Your Career Horizons as a Marine Scientist.

Dr. Lena Steinmann

Session Hall A

1.3 Advances in Air-Sea Interactions

Hosted by: Lea Lange and Samuel Mintah Ayim

Session Hall A

9:45 - 10:00

Spatial and temporal dynamics of dissolved organic matter in the sea surface microlayer during an algal bloom

Jasper Zöbelein

10:00 - 10:15

Investigating the Sea Surface Microlayer – Insights from an Autonomous Surface Vehicle

Carsten Rauch

10:15 - 10:30

Recent Marine Heatwaves in the North Sea: Analyzing Extreme Ocean Warming During the Warmest Recorded Years

Brenna Mei Concolis

10:30 - 10:45

Choosing the right scale: Improving central tendency estimates in surface microlayer studies

Amavi Silva

5.4 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

9:45 - 10:00

Anthropogenic Injury Recovery of Whale Sharks (*Rhincodon typus*) in the Southern Gulf of California

Emily Von Hollen

10:00 - 10:15

Combined effects of shipping-relevant contaminants on copepod ecophysiology

Emilie Thomsen

10:15 - 10:30

Potential for trophic transfer of microplastics in the small-spotted catshark's food web: insights from Portuguese coastal ecosystems

Rodrigo Pica

10:30 - 10:45

Stock assessment of river prawn, *Macrobrachium caementarius* (1782), in the Majes-Camaná River, Arequipa region, southern Peru

Oluwayemisi Adebisi Osodein

PROGRAM

Friday, 12th September 2025



10:45 - 11:00

COFFEE BREAK

3.3 Coral Reefs Under a Changing Climate: Impacts, Resilience and Solutions

Hosted by: Nagore Quintano, Tabea Platz and Malte

Ostendarp

Session Hall A

11:00 - 11:15

Optical properties of coral skeletons influence a reflectance based index for chlorophyll a

Kay Watty

11:15 - 11:30

The algal microbiome of Caribbean corals along a multi-stressor environmental gradient

Amelie Wittig

11:00-11:15

Microplastics as emerging contaminants in mangrove ecosystems of Maldives

Arindam Mazumdar

11:15 - 11:30

The effects of bottom trawling on macrofauna functional traits

Alicia Ackermann

5.5 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

11:30 - 11:45

Examining methods for isolating and cultivating monocultures of Symbiodiniaceae from Porites spp.

Franziska Merz

11:45 - 12:00

Exploring light-harvesting diversity in Symbiodiniaceae: Species-specific photosynthetic tactics

Styliani (Stella) Vasileiadou

11:30 - 11:45

Ancient prokaryotes associated with marine carbon pumping

Max Marklein

11:45 - 12:00

Signaling molecules known from planktonic systems also affect diatom-bacteria biofilms

Anja Ruhl

5.6 Open Session

Hosted by: Jöran Paap and Theo Krüger

Session Hall B

12:00 - 12:15

A Realistic Method to Evaluate Sunscreen Wash-Off into Seawater

Julia Rücker

12:00 - 12:15

Study on increasing the acceptance of algae as a food: school laboratory visit by pupils as an intervention with regard to sustainable nutrition

Katharina Schaefer

PROGRAM

Friday, 12th September 2025



12:15 - 12:30

Tracing corallivore-mediated nutrient dispersal and assimilation into benthic calcifying organisms

Eleanor Casement

12:30 - 12:45

Snails in a hot spot: New coral prey on the agenda for *Drupella cornus* in Mauritius

Tanya Toofany

12:45 - 13:00

Harnessing Light Manipulation to Bolster Coral Resilience in a Warming World

Graham Patterson

13:00 - 13:30

LUNCH BREAK

13:30 - 14:00

ROUND TABLE

I Wish I'd Known This Before Starting My Thesis

Moderation: L Kappas & Sarah Pascher

Location: TBA

3.3 Coral Reefs Under a Changing Climate: Impacts, Resilience and Solutions

Hosted by: Nagore Quintano, Tabea Platz and Malte Ostendarp

Session Hall A

14:00 - 14:15

Investigating manganese bioaccumulation via *Artemia* to increase coral heat stress resilience

Aurélie Wetzel

14:15 - 14:30

Optimizing Nutrient Concentrations to Mitigate Coral Stress Under Ocean Warming

Thilo Appeldorn

4.3 Ocean literacy in a changing world: opportunities and limitations for a sustainable future

Hosted by: Patricia Navarro Gonzalez and Tanushree Mundra

Session Hall B

14:00 - 14:15

Exploring Pathways for Ocean Literacy: Investigating Ocean Acidification through Virtual Reality.

Felix Steinbrecher

14:15 - 14:30

Inter-generational diversity is the key to the UN Ocean Decade: The ECOP National Node of Germany, Austria and Switzerland

Julia Wenhuda

PROGRAM

Friday, 12th September 2025



14:30 - 14:45

Abiotic and biotic drivers of bleaching resistance in Caribbean corals along a multi-stressor environmental gradient

Joe Pilmeijer

14:30 - 14:45

Plankton between science, creative practice, and technology, bridging ocean literacy and research

Marta Musso

14:45 - 15:00

From stress to strength: Does pre-conditioning to low dissolved oxygen and pH build coral resistance to combined hypoxia and acidification stress?

Sophie Littke

14:45 - 15:00

Identifying the past, interpreting the future: Development of educational activity for Quaternary Climate Change Education

Isadora Muaze Galvão

15:00 - 15:15

Eco-Friendly Active Film and Sealant for Underwater Drug Delivery to Diseased Corals

Vincenzo Scribano

15:00 - 15:15

Recognizing Researchers as Stakeholders in Ocean and Data Literacy for Impactful Marine Science

Sarah Bölker

15:15 - 15:30

From Clothes to Corals: Ocean Literacy through the Lens of Fast Fashion

Anna Diem

15:30 - 17:00

FAREWELL

Best Talk & Best Poster Awards, ICYMARE Statistics, Project Pitches

Session Hall A

18:30 - 23:00

POST CONFERENCE PARTY

Celebrate a week of fantastic science and new connections with dancing, drinks, and great company.

Session Hall A

WE THANK ALL PARTNERS AND SPONSORS OF ICYMARE 2025 BREMERHAVEN



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**You can find the entire
ICYMARE 2025
BREMERHAVEN
program here**



Full Program: www.conference.icymare.com/unbound/event-calendar