

PROGRAM

SEPTEMBER 11th - 13th

VENUE:

NORDAKADEMIE Graduate School | Van-der-Smissen-Straße 9 | 22767 Hamburg

DGM Ocean Forum

Since 2016, the German Society for Marine Research organizes an annual conference titled "Ocean Forum" on current topics from marine research for its members and guests. In particular, this event should help to support the statutory goals of the company and generate a corresponding external visibility. On the day of the Ocean Forum the annual general meeting takes place too and on the next day the successful youth conference YOUMARES, with the goal to make an attractive connection to the future generation of marine researchers and to win new members for the DGM.

Wednesday, 11th September, NORDAKADEMIE Graduate School

12.00-14.00 General meeting German Society for Marine Research (*guests / DGM members*)

15.00-17.00 **Ocean Forum**

Monika Breuch-Moritz: Future requirements for marine research

Torsten Thiele (Global Ocean Trust) – 'Ozean Dekade und G7 – Wie kann sich Deutschland einbringen?'

Dr. Iris Ziegler (SHARKPROJECT Germany e.V.) - 'Die Rolle von Wissenschaft und Öko-Siegeln beim Schutz der biologischen Vielfalt und der marinen Ökosysteme'

Boris Herrmann: Sailing across the Atlantic with **Greta Thunberg** to the UN Climate Action Summit on Malizia II – Ocean climate education and monitoring of ocean CO₂

All Youmares participants are welcome to join the Ocean Forum

YOUMARES Conference

THE OCEAN: OUR RESEARCH, OUR FUTURE

Wednesday, 11th September, NORDAKADEMIE Graduate School

17.00-17.30 YOUMARES registration

18.00-20.00 **Icebreaker YOUMARES** – Starting at Dockland we will explore the Elbe and learn about the anthropogenic impact on the ecosystem (**Klaus Baumgardt Förderkreis »Rettet die Elbe« e.V.**) - the tour will end at Landungsbrücken - a snack by Deutsche See and the Youmares team will be provided on board

20.00-22.00 Exploring Hamburg – Bar-Hopping with „scientific accompaniment“

Thursday, 12th September, NORDAKADEMIE Graduate School

- 8.00-8.30 Early registration & Welcome-Coffee
- 8.30-9.30 **Official Opening**
Opening: Prof. Dr. Dieter Hanelt (President of the DGM)
Welcome address: Karin Kammann-Klippstein - President of the BSH (Bundesamt für Seeschifffahrt und Hydrographie)
Key note: Lea Dubois (IUCN)
Key note: Dr. Iris Ziegler (SHARKPROJECT Germany e.V.) - 'The role of science and eco-labels in the protection of biodiversity and marine ecosystems - A case study of how MSC's mantra to „stay just behind the crest of the wave“ fails to stop the waste of marine life and allows the destruction of sensitive habitats to continue'
Key note: Seebrücke Hamburg - (tba)
- 9.30-10.00 Coffee break & poster presentations
- 10.00-11.15 **Session: Blue Growth – Aquaculture, Fisheries & Marine Biotechnology – Prof. Dr. Dieter Hanelt (Universität Hamburg)**
Hong Zhou: Development of molecular tool kits in aquatic green algae
Yekaterina Astafyeva: Microalgae-Bacteria Interactions
Dr. Stefan Sebök: Combining land-based cultivation of marine macroalgae with the production of biogas
Jack Pumpuni Frimpong-Manso: Assessing the effects of reducing dietary protein on the growth of *Oreochromis niloticus* cultured in ponds
- 11.15-11.30 **Science Slam**
- 11.30-13.00 Lunch Break & poster presentations
- 13.00-13.45 **Session: Climate Change – Prof. Dr. Inga Hense (Universität Hamburg)**
Sarah Rühmkorff: Marine Heatwaves and Hypoxic Upwelling Impact the Key Predator *Asterias rubens*
Isabel Casillas Barragán: The perfect match after coral bleaching in Climate Change: an impossible love story
- 13.45-14.30 **Session: Marine Pollution**
Tim Kiessling: Plastic Pirates investigate anthropogenic litter pollution at German riversides – results and insights from a large-scale citizen science project
Giulia Leone: Methodology for the extraction and identification of microplastics in herrings (*Clupea harengus*), salmon (*Salmo salar*) and grey seal pups (*Halichoerus grypus*)
- 14.30-15.00 Coffee break, cake & poster presentations
- 15.00-15.55 **Session: Marine Biodiversity – Prof. Dr. Andreas Schmidt-Rhaesa (CeNak Universität Hamburg)**
Katharina Kniesz: First insights into deep-sea scavengers at hydrothermal vent fields along the central Indian Ridge

Thursday, 12th September, NORDAKADEMIE Graduate School

- Manuel Marinelli:** Crowdsourcing distribution patterns of invasive species in the Mediterranean Sea
- Salomé Gonçalves:** The saltmarsh warming experiment at Hamburger Hallig – Warming effects on soil fauna in Wadden Sea salt marshes
- 15.55-16.50 **Open Session – Christine Rundt (Oceans & Lakes - Vrije Universiteit Brussel)**
Ipek Kaymaz: Assessing the Cumulative Impacts of Offshore Windfarm Developments on Cetaceans in the North Sea Region: Developing Alternative Ecological Indicators by Using Zonation
Maria-Theresia Verwega: Reliable Assessment of marine biogeochemical Models using diffusion based Kernel Density Estimation
Han Fei: Female breeding strategy of jumbo squid *Dosidicus gigas*: Justification using fatty acids as indicators
- 17.00-20.00 **„Science meets Economy“** with the Association for Marine Technology (Gesellschaft für Maritime Technik e.V. - GMT) and **YOUMARES-NORDAKADEMIE young talent award** with the second mayor and Senator for Science, Research and Equality **Katharina Fegebank** and **Prof. Dr. Georg Plate** (NORDAKADEMIE-Stiftung)
Moderation: Frank Schweikert (DGM)
- 17.00 Welcome drink
- 17.15 **Welcome:** Dr. Walter Kühnlein (GMT)
- 17.20 **Welcome address:** Katharina Fegebank (Senator for Science, Research and Equality) and **YOUMARES-NORDAKADEMIE young talent award**
- 17.40 **Key notes:** Prof. Dr. Thomas Rauschenbach (Fraunhofer IOSB, Ilmenau)
- 17.50 **Dr. Mischa Ungermann** (PlanBlue, Bremen)
- 18.00 **Stefan Marx** (SubCtech GmbH, Kiel)
- 18.10 Discussion
- 18.30 Buffet (NORD EVENT GmbH)
Poster presentations
Exhibition Maritime Technologies & Ocean Installation
- 21.00-open end Get together at Hamburgs first zero waste beach club - Karo Beach Club, Schanzenviertel Hamburg

Friday, 13th September, NORDAKADEMIE Graduate School

- 8.30-11.00 Workshop I: Outreach and education in marine research (**ALDEBARAN Marine Research & Broadcast**)
Workshop II: Movie presentation Wind2Win Sea of the Wind – Project presentation and zero waste everyday life solutions (**Wind2Win – Velizara Stoilova**)
Workshop III: "IUVENTA - distress rescue an act of humanity" - Guided screening of the movie with supporting lead and discussion by **IUVENTA** crew member **Christof Brüning**

Friday, 13th September, NORDAKADEMIE Graduate School

- Coffee and Cake
- 11.00-11.30 **Awards:** Best Poster and Best Talk
- 11.30- **Excursions**
- I) Guided tour at the **German Climate Computing Center**
 - II) Guided tour at the tropical aquarium (**Tierpark Hagenbeck**)
 - III) Free admission at the **International Maritime Museum Hamburg** for the whole day
 - IV) Tour on board the research and media vessel **ALDEBARAN**
 - V) Guided tour to the secrets of the marine collection of CeNak (**Center for Natural History – Universität Hamburg** - requested)

Poster Presentations

- Sara Basso:** Lowered Abundance of Sponge Predators shows no evidence of Top-Down Control on Sponges in a Philippine Reef System
- Marcin Białowas:** Assessment of the occurrence of microplastics and associated pollutants in commercial fish from the South Baltic
- Lara Denis-Roy:** Temperate macrofaunal and meiofaunal communities respond differently to environmental factors and pollutants along estuarine gradients
- Monica Gabell:** Seasonality in fish assemblages in tropical canopy-forming habitats
- Yiwei Jiang:** A Novel Antifreeze Protein Gene Family in an Arctic Diatom, *Melosira arctica*
- Alexander Knorrn:** Larval development and distribution of *Ranzania laevis* (Pennant, 1776) and *Masturus lanceolatus* (Liénard, 1840) across thermal frontal zones in the Sargasso Sea
- Anne Kreutzer:** Effects of bioturbation on the freely dissolved hydrophobic organic chemical contribution in sediment cores of the German Bight
- Silja Denise Kröger:** Miniaturised Subacute Daphnia magna BioTest with POLYAromatic Hydrocarbons (PAHs) – Investigation of single PAH substances and PAH mixtures by using passive dosing
- Selma Metzger:** Coral Sensitivity to Iron Enrichment: How Ecotoxicological Assays can tell us about Species Distribution in the Reef
- Alberta W.A. Putri:** Experimental evidence of the effect of warming on habitat provision by seagrass to benthic macrofauna
- Ouhoud Soufiane:** Technical and economic feasibility study of the valorization of the sea bass of aquaculture by hot smoking
- Anna-Marie Strehl:** Heat and Freshwater Exchanges between the Subpolar and the Subtropical North Atlantic

