



Agenda Status Conference Research Vessels 2024

March 5th and 6th, 2024 at University Bremen

Event Location:

Lecture Hall Building (Hörsaalgebäude):

Universitäts-Boulevard 15, 28359 Bremen

Humanities Building 2 (Gebäude Geisteswissenschaften 2):

Universitäts-Boulevard 11/13, 28359 Bremen

Registration: Humanities Building 2 (GW2), 1st Floor

Plenary Room: Lecture Hall Building, Small Hall, HS1013

Parallel Sessions: Humanities Building 2 (GW2),
Level 2B in rooms B2880 & B2890 and Level 1B in room B1400

Poster Presentation: Humanities Building 2 (GW2), Foyer

Eventpage:

<https://event.ptj.de/statusconference-researchvessels-2024>

March 5th, 2024

Start Time	Activity Detail						
08:00 AM	Registration Room: GW2, Foyer 1 st Floor <i>(Attention, registration takes place in a different building than the plenary session!)</i> <i>PtJ/GPF office/University Bremen</i>						
09:00 AM	Opening Plenary Session Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>1) Kathrin Moosdorf/Senate Bremen/Ministry of Environment, Climate and Science</i> <i>2) Stefan Müller/Director General/Federal Ministry of Education and Research</i> <i>3) Jutta Günther/Rector/University Bremen</i> <i>4) Helge Arz/Co-Chair GPF/Leibniz-Institute for Baltic Sea Research Warnemünde</i>						
09:30 AM	Greetings: German Committee of the UN Ocean Decade Room: Lecture Hall Building, Small Hall, HS1013 Hörsaalgebäude, kleiner Saal, HS1013 <i>Steffen Knodt/ODK</i>						
09:45 AM	Opener & Transition to Sessions Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>Gerhard Bohrmann/University Bremen – MARUM</i>						
10:00 AM	Coffee Break (Foyer GW2)						
Parallel Sessions (GW2)							
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 33%;">Marine Biology</th> <th style="width: 33%;">Marine Biogeochemistry</th> <th style="width: 33%;">Marine Technologies</th> </tr> </thead> <tbody> <tr> <td>Room: Room B1400 Session Chair: Jillian Petersen</td> <td>Room: B2880 Session Chair: Moritz Holtappels</td> <td>Room: B2890 Session Chair: Katrin Linse</td> </tr> </tbody> </table>	Marine Biology	Marine Biogeochemistry	Marine Technologies	Room: Room B1400 Session Chair: Jillian Petersen	Room: B2880 Session Chair: Moritz Holtappels	Room: B2890 Session Chair: Katrin Linse
Marine Biology	Marine Biogeochemistry	Marine Technologies					
Room: Room B1400 Session Chair: Jillian Petersen	Room: B2880 Session Chair: Moritz Holtappels	Room: B2890 Session Chair: Katrin Linse					
10:15 AM	<table border="1" style="width: 100%;"> <tbody> <tr> <td style="width: 33%;"> AL549 and AL568b Monitoring winter spawning activity of Western Baltic cod (<i>Gadus morhua</i>) (2021-25) <i>Steffen Funk</i> </td> <td style="width: 33%;"> HE541 The contribution of sediment and water column processes for biogeochemical cycling in the North Sea/German Bight <i>Justus van Beusekom</i> </td> <td style="width: 33%;"> AL534 Coordinated Multi-Domain Persistent Observation Systems at the Ligurian Slope, Western Mediterranean Sea <i>Ralf Bachmeyer</i> </td> </tr> </tbody> </table>	AL549 and AL568b Monitoring winter spawning activity of Western Baltic cod (<i>Gadus morhua</i>) (2021-25) <i>Steffen Funk</i>	HE541 The contribution of sediment and water column processes for biogeochemical cycling in the North Sea/German Bight <i>Justus van Beusekom</i>	AL534 Coordinated Multi-Domain Persistent Observation Systems at the Ligurian Slope, Western Mediterranean Sea <i>Ralf Bachmeyer</i>			
AL549 and AL568b Monitoring winter spawning activity of Western Baltic cod (<i>Gadus morhua</i>) (2021-25) <i>Steffen Funk</i>	HE541 The contribution of sediment and water column processes for biogeochemical cycling in the North Sea/German Bight <i>Justus van Beusekom</i>	AL534 Coordinated Multi-Domain Persistent Observation Systems at the Ligurian Slope, Western Mediterranean Sea <i>Ralf Bachmeyer</i>					

10:35 AM	HE533 Contrasting plankton diversity and impact on organic matter flux in polar fjord systems subject with climatic forcing along the Norwegian coast." <i>Uwe John</i>	M165 PArticles from Source TO SInk off northwest Africa (PASTOSI), off Morocco, shelf of Mauritania <i>Karin Zonneveld</i>	AL568 Deep-ocean validation of the LIGHTHOUSE system <i>Tom Kwasnitschka</i>
10:55 AM	PS121 Secondary Users: IMMIPlanS 2019 „Innovative Molecular Methods in Plankton Studies“ and CARCASS „Carbon Transport via Arctic Pelagic Animals Sinking to the Deep-Sea Seafloor <i>Holger Auel, Henk-Jan Hoving</i>	MSM104 Sinking particles, their production, transfer and transformation <i>Karin Zonneveld</i>	PS126 Long-term ecological research and annual maintenance of the FRAM Ocean Observing System in Fram Strait <i>Thomas Soltwedel</i>
11:15 AM	HE570 High-resolution in situ Observations of Passive and Active Carbon Flux in Two Contrasting Fjords <i>Helena Hauss</i>	EMB276 Manganese speciation and elemental associations across the redox boundary in the central Baltic Sea <i>Maren Voß</i>	HE525 Detecting Glacial Boulders in marine Pleistocene Environments <i>Hanno Keil</i>
11:35 AM	SO285 Trophic TRAnsfer eFFICIency in the Benguela Current - Second (winter) Cruise <i>Tim Rixen</i>	M174 Productivity, biogeochemistry and food webs of the Amazon River plume and Western Tropical North Atlantic (N-Amazon) <i>Maren Voß</i>	

11:55 AM **Conference Photo**

12:15 PM **Lunch Break**

Parallel Sessions (GW2)

	Marine Biology Room: Room B1400 Session Chair: Jillian Petersen	Oceanography Room: B2880 Session Chair: Wilken-Jon von Appen	Marine Geology Room: B2890 Session Chair: Christian Berndt
13:30 PM	HE528 Structure, dynamics and functions of benthic communities in the German Bight, North Sea <i>and</i> HE572 Ecological long-term series of benthic communities in the German Bight (North Sea) <i>Jennifer Dannheim</i>	M176/2 Mechanistic and quantitative understanding of the processes that set the hydrothermal flux of trace elements and their isotopes (TEIs) to the deep ocean interior on the Mid-Atlantic Ridge (MAR) at the Rainbow site. <i>Eric Achterberg</i>	SO278 Fluid-rock interaction at the backstop to the Mediterranean Ridge Accretionary Complex South of Crete <i>Gerhard Bohrmann</i>
13:50 PM	HE562 and HE581 Long-term observation of benthic biotopes in offshore areas of the German North Sea and effects of <i>Jan Beermann</i>	EMB217 The role of the bottom boundary turbulence for the transport of tracers in marine basins. Investigated region: central Baltic Sea <i>Peter Holtermann</i>	PS128 East Antarctic Ice Sheet Instabilities (1) – Ice-Ocean-Climate Interactions + Secondary use <i>Frank Wenzhöfer, Ralf Tiedemann, Boris Dorschel</i>

14:10 PM	EMB239 and EMB269 Live along the gradient: Analyse of the impact of environmental parameters on the distribution, diversity and function of benthic communities and their habitats in the southern Baltic Sea and its implications within European marine conservatory directives <i>Katharina Romoth</i>	EMB265 Three-dimensional acoustic mapping of small-scale physical processes in the North Sea and Baltic Sea <i>Peter Holtermann</i>	SO288 De-installation and recovery of the GeoSEA array off northern Chile <i>Heidrun Kopp</i>
14:30 PM	HE529, HE561 and HE574 Restoration of European flat oysters (<i>Ostrea edulis</i>) in the German North Sea <i>Bernadette Pogoda</i>	EMB230 and EMB237 Long-term data programme of the Baltic Sea, western Baltic to central Baltic Proper <i>and</i> EMB256, EMB261, EMB264, EMB271, EMB280 Long-term observation programme of IOW for the Baltic Sea ecosystem, as the central component of Research Focus 2 and 3 of the IOW's 10 years research programme <i>Michael Naumann</i>	M162 Exploring subsurface fluid flow and active dewatering along the oceanic plate boundary between Africa and Eurasia (Gloria Fault) <i>Norbert Kaul</i>
14:50 PM	HE560 Influence of climate change on interactions and biodiversity in Arctic ecosystems NE Atlantic, Svalbard Archipelago, Barents Sea, Norwegian Shelf <i>Felix Mark</i>	SO283 Mooring Rescue in the South Atlantic <i>Niko Lahajnar</i>	M170 and M175 Geophysical and geological study of transform faults at the Mid-Atlantic Ridge between 47°N and 50°N <i>Ingo Grevemeyer, Thor Hansteen</i>
15:10 PM	Coffee Break (Foyer GW2)		
15:30 PM	End of Parallel Sessions		
15:30 PM	Poster Presentation Room: Foyer GW2		
16:30 PM	BRIESE Poster Award Ceremony Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>Klaus Küper/BRIESE RESEARCH FORSCHUNGSSCHIFFFAHRT</i>		
17:00 PM	Plenary Session: Data and Sample Management Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>Nina Weisweiler/Helmholtz Head Office, formerly Helmholtz Open Science Office</i> <i>Carsten Schirnick/GEOMAR</i> <i>Helge Arz/IOW</i>		
17:45 PM	Plenary Session: A UK perspective: From proposals to ship programming, cruise planning and delivery. Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>Matthew Tiahlo/National Oceanography Center, Southampton</i>		
18:15 PM	Dinner (Café UNIQUE)		



Agenda Status Conference Research Vessels 2024

March 5th and 6th, 2024 at University Bremen

March 6th, 2024

Start Time	Activity Detail	
08:00 AM	Registration Room: GW2, Foyer 1 st Floor <i>(Attention, registration takes place in a different building than the plenary session!)</i> <i>PtJ/GPF office/University Bremen</i>	
08:30 AM	Plenary Session: FUTURO Experiment Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 <i>Arne Körtzinger/GEOMAR</i>	
Parallel Sessions (GW2)		
	Oceanography Room: B2880 Session Chair: Peter Brandt	Marine Geology Room: B2890 Session Chair: Heiko Pälike
09:05 AM	AL534/2 Land-ocean transfer of plastic debris in the North Atlantic. <i>Aaron Beck</i>	MSM99/2 Wave induced pockmark formation in the North Sea <i>Christoph Böttner</i>
09:25 AM	SO279 NAPTRAM – North Atlantic plastic transport mechanisms, sinks, and interactions with biota <i>Aaron Beck</i>	M178 Hazards off Etna: Landslide Nucleation Under Tremor – Etna Sicilly <i>Felix Gross</i>
09:45 AM	HE527 Systematic observations of plastic debris and underwater light climate within the Southern North Sea and adjacent estuaries <i>Thomas Badewien</i>	MSM101 Paleoclimate and Biogeochemistry Nova Scotia Margin <i>Ralph Schneider</i>
10:05 AM	Coffee Break (Foyer GW2)	

Parallel Sessions (GW2)

	Marine Biogeochemistry Room: B1400 Session Chair: Ronnie Glud	Oceanography Room: B2880 Session Chair: Thomas Badewien	Marine Geology Room: B2890 Session Chair: Heiko
10:40 AM	AL557 The Ocean's Alkalinity – Connecting geological and metabolic processes and time-scales: mechanisms and magnitude of metabolic alkalinity generation in the North Sea <i>Helmuth Thomas</i>	MSM93 Submesoscale Dynamics in Fram Strait <i>Wilken-Jon von Appen</i>	MSM102 Giant turbidite systems of the deep sea: mechanisms of sediment (and nutrient) transport and delivery to the deep sea, as exemplified in the morphology, stratigraphy and sedimentary record of the Northwest Atlantic Mid-Ocean Channel, Labrador Sea <i>Kai-Frederik Lenz</i>
11:00 AM	MSM106 WASCAL students meet science – Educating West-African students by Training-Through-Research <i>Björn Fiedler</i>	MSM94 Water mass transport and transformation in the western SPNA in 2020 <i>Johannes Karstensen</i>	MSM103 Groundwater resources offshore PRINCE Edward Island, Canada <i>Sebastian Hölz</i>
11:20 AM	HE582 The fate of organic matter in sandy sediments <i>Moritz Holtappels</i>	MSM99 Baltic Sea deep-water ventilation: the role of winter-time (cold climate) deep-water convection <i>Ralph Schneider</i>	SO272 Kerguelen Plateau Drift Deposits: outstanding high-resolution chronicle of Cenozoic climatic and oceanographic changes in the southern Indian Ocean <i>Gabriele Uenzelmann-Neben</i>
11:40 AM	SO287 Pan Atlantic connectivity of marine biogeochemical and ecological processes and the impact of anthropogenic pressures <i>Birgit Quack</i>	SO284 Western boundary circulation, flow-topography interaction and AMOC off Brazil <i>Peter Brandt</i>	MSM81 Onset and modifications in intensity and pathways of water mass exchange between the Southeast Pacific and the South Atlantic with focus on the Falkland Plateau <i>Gabriele Uenzelmann-Neben</i>
12:00 PM	M152/2 Ocean pollution by and intercontinental transport of persistent organic pollutants with trade winds and M157 Intercontinental transport of persistent organic pollutants from Western and Central Africa Distributions, intercontinental transports and air-sea exchange <i>Gerhard Lammel</i>	M164 AMOC components at 47°N <i>Reiner Steinfeldt</i>	HE537 Methane seepage near abandoned drill sites in the German North Sea sector <i>Katrin Schwalenberg</i>
12:20 PM	AL561 Dynamics and variability of POC burial in depotcenters of the North Sea (Skagerrak) <i>Christoph Böttner</i>		MSM98 Variability, amount and fate of methane seepage in the German North Sea <i>Miriam Römer</i>
12:40 PM	Lunch Break		

Parallel Sessions (GW2)

	Marine Biology Room: Room B1400 Session Chair: Katrin Linse	Marine Geochemistry Room: B2880 Session Chairs: Jürgen Koepke	Marine Geophysics Room: B2890 Session Chair: Udo Barckhausen
14:00 PM	AL553 Long-term monitoring of biodiversity changes and their functional consequences in the pelagic <i>and</i> AL556 Fisheries induced evolution and non-invasive observation of Baltic cod (<i>Gadus morhua</i>) populations <i>Thorsten Reusch</i>	AL543 Sedimentary fluxes of trace metals, radioisotopes and greenhouse gases in the southwestern Baltic <i>Florian Scholz</i>	HE569 Changing North Sea: morphological evolution of the south-eastern North Sea landscape since the late Pleistocene – German and Danish North Sea <i>Hanno Keil</i>
14:20 PM	MSM95 Impact of Fishing on Seabed Integrity and Benthic Communities around Svalbard <i>Autun Purser</i>	M169 Tracing origin and distribution of geogenic and anthropogenic dissolved and particulate critical high-technology metals in the southern North Sea <i>Andrea Koschinsky</i>	MSM97 High Resolution Reflection Seismic Imaging of the Cenozoic Barrier Structures of the West-Schleswig Block and the Fluid Migration System of the blowout structure 'Figge Maar' <i>Axel Ehrhardt</i>
14:40 PM	EMB238 and EMB267 Potential effects of closure for bottom fishing in the marine protected areas (MPAs) of the western Baltic Sea - baseline observations and second year observations <i>and</i> EMB268 Consequences of the exclusion of bottom trawl fishing from the marine protected areas in the German Baltic Sea: An experimental approach near Rostock <i>Mayya Gogina</i>	MSM96 Metal geochemistry meets machine learning: Assessing sedimentary and pore-water rare earth element variability from local to basin scale across the NE Atlantic Ocean <i>Sophie Paul</i>	MSM100 Geophysical Investigations for Barrier Structures and their Integrity in the subsurface of the German North Sea by means of 3D-Seismic data. <i>Axel Ehrhardt</i>
15:00 PM	EMB232, EMB246 and EMB247 Mapping seafloor habitats in territorial waters of Mecklenburg-Vorpommern <i>and</i> EMB258 Habitat Mapping in territorial waters of Mecklenburg-Vorpommern: Harmonizing and expanding heterogenous datasets. <i>Peter Feldens</i>		AL548 Mine Monitoring in the German Baltic Sea 2020 <i>Mareike Kampmeier</i>
15:20 PM	Coffee Break (Foyer GW2)		

Parallel Sessions (GW2)			
	Marine Biology Room: Room B1400 Session Chair: Katrin Linse	Marine Geochemistry Room: B2880 Session Chair: Andrea Koschinsky	Marine Geophysics Room: B2890 Session Chair: Udo Barckhausen
15:35 PM	SO276 Depth transect and connectivity along gradients in the North Atlantic and Nordic Seas in the frame of the IceAGE project (Icelandic marine Animals: Genetics and Ecology) <i>Saskia Brix</i>	M144 Eastern Mediterranean Paleoclimate and Ecosystems during the Rise of Early Civilizations <i>Jörg Lippold</i>	MSM98/2 Evolution of the Heligoland Glaciotectonic complex, North Sea, and total lateral extent and age of the giant buried Tampen Slide off Norway <i>Jens Schneider von Deimling</i>
15:55 PM	SO280 Icelandic marine Animals meets Diversity along latitudinal gradients in the deep sea of the Atlantic Ocean <i>Saskia Brix</i>	M168 Origin and Geodynamic Evolution of King's Trough: The Grand Canyon of the North Atlantic <i>and</i> M176 Geodynamic evolution of the eastern North Atlantic Ocean <i>Jörg Geldmacher</i>	M177 Fluids migrate across Paleozoic rock and the Quaternary sediments and escape from the seafloor in the eastern Gotland Basin/Baltic Sea <i>Arne Warwel</i>
16:15 PM	SO286 Icelandic marine Animals: Genetics and Ecology meets Diversity along latitudinal gradients in the deep sea of the Atlantic Ocean 2 <i>Saskia Brix</i>	SO273 ROV-Sampling and Mapping of the Marion Rises at the Southwest Indian Ridge (SWIR) <i>Jürgen Koepke</i>	SO277 Offshore Malta Aquifer Exploration <i>Christian Berndt</i>
16:35 PM	End of Parallel Sessions		
16:40 PM	Plenary Session: METEOR IV Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 Klas Lackschewitz/GEOMAR		
17:00 PM	Closing Remarks Room: Lecture Hall Building, Small Hall, HS1013/Hörsaalgebäude, kleiner Saal, HS1013 Herrn Helge Arz/Co-Chair GPF/Leibniz-Institute for Baltic Sea Research Warnemünde		
17:10 PM	End of Conference		

Cancelled presentations: EMB214, EMB262, HE578, HE544 and HE548