

# Marine Research Days 2024

26-28 November, Linnaeus University

## Building bridges across marine disciplines

### Day 1

Time	Tuesday 26 November	Last updated: 2024-11-07
14:00-14:05	Welcome to the Marine Research Days 2024	Carina Bunse (SHF Chair)
14:05-14:35	Wind drift, turbulent dispersion and algal blooms in the Baltic Sea	Inga Koszalka (SU)
14:25-14:45	Summer nutrient and chlorophyll gradients in the Stockholm archipelago (Baltic Sea) – observations and predictions from river and point source nutrient loadings	Jakob Walve (SU)
14:45-15:05	FORALIEN project: Developing novel methods to identify alien species of benthic foraminifera to assess their impact on native biodiversity of the Swedish west coast	Jean-Charles Pavard (GU)
15:05-15:35	COFFEE BREAK	
15:35-16:05	Who likes it dark and cold? Marine Carbon Fixation during the polar night.	Carolin Löscher (SDU)
16:05-16:25	Assessing picophytoplankton associated phages- what's their impact in the Baltic Sea Ecosystem	Julia Weissenbach (LnU)
16:25-16:45	Recent changes in limiting nutrient in the Gulf of Bothnia	Karolina Eriksson (UmU)
16:45-17:05	BREAK	
17:05-17:25	Unveiling the contribution of particle-associated non-cyanobacterial diazotrophs to N <sub>2</sub> fixation in the upper mesopelagic North Pacific Gyre	Christian Furbo Reeder (LnU)
17:25-17:45	Single-cell and bulk rate measurements of nitrogen fixation in the Gulf of Bothnia	Malin Olofsson (SLU)
17:45-17:50	Summary and information	SHF
17:50-19:30	Icebreaker and poster session	

## Day 2

Time	Wednesday 27 November	
08:30-08:30	Welcome Day 2	Carina Bunse (Chair)
08:30-09:00	The indispensable holistic perspective of the Arctic Ocean	Paul Wassmann (UiT)
09:00-09:20	Revised prokaryotic carbon demand and new depth specific morphological features in the Central Arctic Ocean	Ashish Verma (UmU)
09:20-09:30	BREAK	
09:30-09:50	Mangrove restoration elevates local carbon storage but changes centennial-scale carbon burial dynamics	Heidi Burdett (UmU)
09:50-10:10	SwedCoast-BlueCarb project: mapping eelgrass extent and health	Samantha Lavender (Pixalytics)
10:10-10:30	COFFEE BREAK	
10:30-10:50	Perfoliate pondweed meadows in northern coastal areas – reservoirs of potentially pathogenic bacteria with complex organic carbon metabolism	Kesava Priyana Ramasamy (UmU)
10:50-11:10	Impact of ship traffic: Mixing, Spreading of Pollution from Scrubbers and Heavy Fuel Oil Pollution	Anders Tengberg (Aanderaa-Xylem)
11:10-11:30	Long-term environmental changes in the northern Baltic Sea – Impact on food web efficiency and quality	Tharindu Bandara (UmU)
11:30-11:50	Land-sea-air exchange of natural halogenated compounds in northern Sweden	Terry Bidleman (UmU)
11:50-12:40	LUNCH	
12:40-13:10	Baltic Sea warming and related biogeochemistry changes	Marcelo Ketzer (LnU)
13:10-13:30	Size-Dependent Accumulation of Persistent Organic Pollutants and Mercury in Juvenile Herring	John Taylor (SU)
13:30-13:50	Are small pelagic fish competing for resources in the central Baltic Sea?	Kinlan Jan (SU)
13:50-13:55	SHORT BREAK	
13:55-14:05	Dyrssen Award Ceremony	Heidi Burdett (SHF)
14:05-14:10	Introduction Dyrssen Awardee 2	Heidi Burdett (SHF)
14:10-14:30	Dyrssen Awardee 2 presentation: Turbulent heat flux dynamics in the Amundsen Sea, Antarctica	Blandine Jacob (GU)
14:30-14:35	Introduction Dyrssen Awardee 1	Heidi Burdett (SHF)
14:35-14:55	Dyrssen Awardee 1 presentation: Exploring the diverse values local people associate with Marine Protected Areas and the implications for sustainable ocean management	Shun Kageyama (Stockholm Resilience Center, SU)
14:55-15:15	COFFEE BREAK	
15:15-15:35	Aquarius – Providing transnational access to integrated research infrastructures	Björn Lindell (Aquarius)
15:35-15:55	SWERVE - Current Achievements and Future Directions	Lovisa Thourse (SWERVE)
15:55-16:10	Break and walk to ship tour	
16:10-18:10	Ship tour, Länsmuseet, Sjöräddningsällskapet	3 groups, 30 min for each tour and switching
18:10-19:00	BREAK	
19:00-22:00	Conference dinner	

## Day 3

Time	Thursday 28 November	
08:30-10:00	SHF Annual meeting	Members
09:55-10:00	BREAK	
10:00-10:05	Welcome day 3	Carina Bunse (SHF chair)
10:05-10:25	Co-Creating a Blueprint for Integrated Ocean Science: Encouraging collaboration for a sustainable future	Lina Mtwana Nordlund (UU)
10:25-10:45	Ventilation of the Arabian Sea Oxygen Minimum Zone	Estel Font (GU)
10:45-11:05	COFFEE BREAK	
11:05-11:25	Shear-driven mixing and oxygen fluxes in the upper thermocline in the Cape Basin	Mauro Alonso Pinta Juica (GU)
11:25-11:45	Glider Observations and Modeling of dissolved Methane from Nord Stream Leaks	Bastien Queste (GU)
11:45-11:55	SHORT BREAK	
11:55-12:15	Phosphorus strategies in the microbial-planktonic community across the Baltic Sea	Thomas Mollica (LnU)
12:15-12:35	Carbon and nitrogen assimilation in individual cells can shed light on how diatoms survive diffusion limited nitrogen availability	Rickard Stenow (GU)
12:35-12:55	Selective grazing on strains of the picocyanobacterium <i>Synechococcus</i>	Hanna Farnelid (LnU)
12:55-13:00	Concluding remarks	Carina Bunse (SHF Chair)
13:00-13:30	Lunch and departure	