



Ny-Ålesund
Research Station
Norway



Kongsfjorden
System

Kongsfjorden Flagship Meeting 2024

Date: Wednesday-Thursday, 6.-7. November 2024

Location: Fram Centre, Hjalmar Johansens gate 14, 9007 Tromsø, Norway

Meeting room: "Kompasset"

Register at the reception and they will give you directions to the meeting room.

Hosts: Flagship Chairs Clara Hoppe and Allison Bailey



Wednesday 06.11.2024

Time	Title	Location
8:45-9:00	<i>Coffee</i>	
9:00- 9:30	Welcome, Information and updates on the Flagship	
9:30- 10:30	This year in Kongsfjorden 2023-2024 Kongsfjorden Flagship: <ul style="list-style-type: none"> - UiT mooring, Daniel Vogedes - Italian mooring, Francesco Paldini de Mendoza - Indian mooring, Divya David - CTD profiles, Allison Bailey - AWI phytoplankton, Clara Hoppe - NPI phytoplankton, Philipp Assmy - Sea ice, Dmitry Divine Glaciology Flagship Atmosphere Flagship Terrestrial Flagship	Kompasset, Fram Centre
10:30-11:00	<i>Coffee break</i>	
11:00-12:00	This year in Kongsfjorden 2023-2024, continued	
12:00-12:50	<i>Lunch</i>	Cantina, 2 nd floor
13:00-13:30	International Kongsfjorden Year (IKY) Overview: what has happened so far and what is planned for 2025	
13:30-14:30	Short presentations <ul style="list-style-type: none"> - Malin Daase- OpKROP Introduction and update - Emily Venables-USV campaigns in Kongsfjorden 24-25 - Marta Gluchowska- Zooplankton seasonal variability in Arctic fjord– taxonomic and trait-based approaches - Alessandro Nicolai- Assessing zooplankton functional traits and microplastic ingestion through long term series - Allison Bailey- Seasonal plankton and oceanography monitoring - Janne Søreide- Impacts of Atlantification on plankton biodiversity and phenology 	
14:30-15:00	<i>Coffee break</i>	
15:00-17:00	Short presentations <ul style="list-style-type: none"> - Carlos Smerdou- Changes in growth and internal composition of macroalgae from Kongsfjorden along spring - Raquel Carmona- Arctic macroalgae can take up organic nutrients for growth - Librada Ramírez-Fernández- Cellular stress in phytoplankton (April-June) and model nutrient dynamics between phytoplankton and grazers - Clara Hoppe- Drivers of diatoms vs. Phaeocystis in Kongsfjorden spring blooms - Sarat Tripathy- Bio-optical studies for understanding dynamics of Kongsfjorden-Krossfjorden twin ecosystem - Sneha Sivaram- Seasonally Resolved Ecophysiology of Arctic Phytoplankton in Kongsfjorden - Burkhard Becker- Adaptive strategies of polar algae: A comparison between marine and terrestrial algae - Anand Jain- Microbial & biogeochemical contribution to the YESS/IKY 2024-2025 Time Series and Experiments - Francesco Paladini de Mendoza- Long-term Italian mooring observations in Kongsfjorden and Krossfjorden - Pedro Duarte- Ecosystem metabolism and nitrogen budget of Kongsfjorden - Ricarda Runte- Investigating seasonal variations and their environmental controls of benthic C, N, and P cycling 	Kompasset, Fram Centre
17:00-18:30	Small group discussions: Almost a decade after writing the Kongsfjorden book: what has happened since? what is missing? what has changed in how we see the Kongsfjorden system?	
19:00	Flagship Dinner, Hildir	Skippergata 11

Thursday 07.11.2024

Time	Title	Location
8:45-9:00	<i>Coffee</i>	
09:00-09:15	Welcome, re-cap	
09:15-10:00	Updates from Kings Bay, Ny-Ålesund, Marine Lab & Teisten Tina Storrø Feedback from Flagship	
10:00-10:15	CTD Data Portal	
10:15-10:30	Short presentation - Simon Jungblut , FACE-IT project	
10:30-11:00	<i>Coffee break</i>	
11:00-12:00	Short presentations <ul style="list-style-type: none"> - Sarah Tingey- Metals and mercury mobilized from ice to ocean - The METALLICA project in Kongsfjorden - Silje Pedersen-Glacial Flour Power – Impact of sediment-bound nutrients and metals exported from glaciers - Fanny Cusset- Glacial release of heavy metals in Kongsfjorden: What are the ecosystem impacts? - Marianna Pinzone- Tracing mercury sources in the Kongsfjorden marine ecosystem - Igor Eulaers- Towards systematic bottom-up and top-down perspectives on a changing biogeochemistry and pollution of fjord food webs facing climate change - Geir Gabrielsen- Effects of microplastic on fulmars - Melissa Chierici- Variability of inorganic carbon and acidification state at Kb3 	Kompasset, Fram Centre
12:00-12:50	<i>Lunch</i>	Cantina, 2 nd floor
13:00-13:15	Short presentation - Manuel Bensi - SESS Chapter: The Atlantification prRocess in Svalbard: a broad view from the SIOS Marine Infrastructure network	
13:15-13:45	Future topics for the Flagship: meetings, collaboration, SSG proposals <ul style="list-style-type: none"> - Data analysis and writing workshops to integrate IKY data - Update to Kongsfjorden Book - Proposal of bi-annual mooring group meeting - next meeting Oslo 2025 	
13:45-14:30	Breakout groups (according to interest) <ul style="list-style-type: none"> - IKY - ecotox - mooring harmonization - stepping out of the fjord (linking to wider observations) - integrated multiple stressors - phytoplankton 	Kompasset, Fram Centre
14:30-15:00	<i>Coffee break</i>	
15:00-16:00	Breakout groups continued	
16:15-16:30	End of meeting	
17:00	Dinner & mingling	Lysgården, Fram Centre