

# ASSW2024 Joint Community meeting for the pan-Arctic network of Distributed Biological Observatories (DBOs)

Thu 21 March 2024 10:30 – 18:00 GMT (UTC)

Room: St Trinnean's ([St Leonards](#))

## Meeting description

Since 2010, the Distributed Biological Observatory ([DBO](#)) has functioned as a “detection array” for ecosystem changes and trends in the Pacific sector of the Arctic Ocean. Similar marine observational networks are being established in the Davis Strait/Baffin Bay region (DS-DBO), the Atlantic-Arctic sector ([A-DBO](#)) and in the Siberian Sector (S-DBO). These long-term, multi-disciplinary initiatives build on active involvement of scientists with the goal to strengthen the regional assessments of the coupled marine system.

The ASSW provides one of the main arenas for the annual exchange of scientific results and organizational matters of the DBOs, both as regional entities and in a joint pan-Arctic sense.

We invite you to a full-day workshop for all the Distributed Biological Observatories during which we present the activities undertaken during 2023 and summarize the most prominent results in each arctic sector. We also make room for general discussions on common priorities and opportunities for our future in situ sampling activities and data assessments, and how to connect these to other parallel observing programs and organizational processes.

## Meeting Organizers:

Pacific Arctic DBO: Jacqueline Grebmeier (UMCES)

Siberian DBO: Igor Polyakov and Laura Whitmore (IARC/UAF), Eun Jin Yang (KOPRI)

Atlantic Arctic DBO: Arild Sundfjord and Anna Nikolopoulos\* (NPI)

Davis Strait/Baffin Bay DBO: Craig Lee (APL/UW), Kumiko Azetsu-Scott (DFO)

\* Main contact person for meeting logistics

## Morning coffee

### Thu 21 March 2024 10:30 – 12:30 GMT (UTC)

J/KST: 19:30 – 21:30 (UTC+9h) | EDT: 06:30 – 08:30 (UTC-4h) | PDT: 03:30 – 05:30 (UTC-7h) | AKDT: 02:30 – 04:30 (UTC-8h)

#### Part I

#### Presentations (hybrid)

- 10:30 Welcome and Opening remarks
- 10:45 Jackie Grebmeier, UMCES  
Ecosystem Change in the Pacific Arctic: Results from the Pacific DBO Time Series Studies
- 11:00 Igor Polyakov, UAF  
Status of the Siberian Distributed Biological Observatory development
- 11:15 Laura Whitmore, UAF  
The Siberian DBO research themes and cross-cutting programmatic goals
- 11:30 Anna Nikolopoulos, NPI  
Status of the Atlantic DBO development
- 11:45 Agnieszka Beszczynska-Möller, IOPAN and Philipp Assmy, NPI  
The 2023 additions to the Fram Strait and Kongsfjorden observational timeseries
- 12:00 Craig Lee, UW/APL  
Status and results from the Davis Strait and Baffin Bay DBO
- 12:15 Buffer/Q&A

Lunch break

Contd. →

## Thu 21 March 2024 13:30 – 15:30 GMT (UTC)

J/KST: 22:30 – 00:30 (UTC+9h) | EDT: 09:30 – 11:30 (UTC-4h) | PDT: 06:30 – 08:30 (UTC-7h) | AKDT: 05:30 – 07:30 (UTC-8h)

### Part II Presentations (hybrid)

- 13:30 Introduction of the IASC MWG funded early career scientists  
Kay McMonigal, UAF (P-DBO)  
Jinsoo Son, Hanyang Univ. (P-DBO)  
Clare Gaffey, Clark Univ. (S-DBO)  
Julia Muchowski, SU (A-DBO)
- 14:00 Jinyoung Jung, KOPRI  
An update on KOPRI's biogeochemical research: Insights from observations in the Pacific and Siberian DBOs
- 14:15 Karen Frey, ClarkU  
Satellite and Optical Data Across the Pacific Arctic Distributed Biological Observatory
- 14:30 Håkon Sandven, UiB  
Light availability in the Barents Sea and Arctic Ocean: Modelling and observations
- 14:40 Polona Itkin, UiT  
In-situ observations in the Copernicus Polar Roadmap, with example of sea ice and snow field work on the Arctic Ocean cruise (NPI) in July 2024
- 14:50 Artur Palacz, IOPAN  
Towards a Marine Organic Carbon Atlas - case study for the Arctic Ocean
- 15:00 Hanne Sagen, NERSC  
The High Arctic Ocean Observation System (HiAOOS)
- 15:10 Craig Lee, UW/APL  
Updates from the process towards an Arctic GOOS Regional Alliance
- 15:20 Buffer/Q&A

Afternoon tea

## Thu 21 March 2024 16:00 – 18:00 GMT (UTC)

J/KST: 01:00 – 03:00 (UTC+9h) | EDT: 12:00 – 12:00 (UTC-4h) | PDT: 09:00 – 11:00 (UTC-7h) | AKDT: 08:00 – 10:00 (UTC-8h)

### Part III Discussions (hybrid)

*We discuss the value/utility/need of unified approaches in the pan-Arctic DBO program with emphasis on the aspects of Data management and Science communication, starting each topic with introductory talks.*

#### 16:00 Data Management and Synthesis preparedness

Jackie Grebmeier, UMCES  
Connectivity of distributed data archives and web based DBO tools

16:10 Thomas Kelly, UAF  
Data Management and Synthesis preparedness in the Siberian DBO and pan-Arctic program

16:20 Øystein Godøy, METno  
The data management perspectives of ArcticPASSION

16:30 *Discussion Data Management*

#### 17:00 Science Communication and Outreach

Jackie Grebmeier, UMCES  
The Pacific DBO Key Products

17:10 Amy Lauren, UAF  
Broader Impacts Communications Landscape

17:20 *Discussion Science Communication*

#### 17:45 Closing Remarks

The next steps forward for our pan-Arctic network: Milestones until ASSW2025

18:00 **End of Meeting**