



Joint Distributed Biological Observatory (DBO) Community Meeting

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 region (DS-DBO), the Atlantic Arctic sector (A-DBO) and in the East Siberian Sea (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.

We invite to a full-day joint workshop for all the Distributed Biological Observatory sectors to outline our common priorities and opportunities for future in situ sampling activities and data assessments: **How do we integrate our regional efforts and knowledge most efficiently into a pan-Arctic system framework?**

The workshop is part of the annual DBO meeting cycle and connected to the ASSW2023 Science session ID11 “Integrating knowledge from regional marine observatories to pan-Arctic perspectives” (Tue 21 Feb). There will also be time for regular organizational matters for each DBO.

Organizers: Jackie Grebmeier (UMCES; DBO), Craig Lee (APL-UW; DS-DBO), and Anna Nikolopoulos (NPI; A-DBO)

Agenda

10:30 - 12:30 Joint, all-DBO session: Presentations (Hörsaal 1)

- *Opening; The aims for today*
- *Status reports from all DBOs:*
 - Pacific Arctic DBO (Jackie Grebmeier/UMCES)
 - East Siberian Sea DBO (Igor Polyakov/UAF)
 - Davis Strait/Baffin Bay DBO (Craig Lee/APL-UW)
 - Atlantic Arctic DBO (Anna Nikolopoulos/NPI)
- *Reports on related processes and programs:*
 - IASC MWG and the Ocean Decade Arctic Action Plan (Lee Cooper/UMCES)
 - GOOS Regional Alliance (GRA) for the Arctic (Craig Lee/APL-UW)
 - SAON ROADS (Sandy Starkweather/NOAA)
 - The Synoptic Arctic Survey (Maria Teresa Bezem/UiB)
 - GO-SHIP (Lennart Gerke/GEOMAR)

Lunch break

14:00 - 15:30 Regional break-out discussions (Hörsaal 1, Seminarraum 1, Seminarraum 2)

- *Organizational items in individual DBO groups*
 - Updates about the 2023 field programs
 - Current action points and future plans (differ between DBOs)

Coffee break

16:00 - 18:00 Joint, all-DBO session: Discussions (Hörsaal 1)

- *Summaries from our regional breakouts*
- *From regional to pan-Arctic: What mechanisms can we develop to build a coordinated, pan-Arctic DBO network?*
 - a. Means to stimulate joint scientific assessments of existing timeseries, e.g.:
 - Joint publication of a special issue, starting 2024.
 - Joint DBO international science symposium in 2024/25.
 - b. Means to facilitate collaborations for future sampling, e.g.:
 - A feasible level of overarching coordination.
 - Harmonization of practices (planning, sampling, sharing).
 - Joint aims in the short-term (2023/24?) and long-term perspectives.

(Note that we put special emphasis on organizational items today, while the discussion on scientific aspects will continue in the Science session ID11, Tuesday 21 Feb 14:00-18:00 CET)