

Marine Working Group Meeting

Agenda

March 22, 2024 (hybrid format)



Open Session 1 (08:30 – 10:00 GMT)

1. Opening

1.1. Welcome and introduction (Heidi Kassens) [20 min]

This agenda item will include introductions of working group members, fellows, new secretary and guests. Short presentation outlining initiatives and activities since the last MWG virtual meeting in November 2023.

2. Main issues

2.1. Marine Working Group Strategy Meeting - Marine Life (Petra Heinz) [50 min]

Overview on the two-days workshop held in Vienna in December 2023 to shape the research priorities on the high-level theme "marine life" of the Strategic Plan. A brief discussion will follow to finalize the draft document cooperatively written during the meeting and shared with the rest of the MWG in early January 2024 for review and comments.

→ ANNEX 2.1 IASC MWG Strategy on Marine Life

2.3 Presentation of the new IASC MWG Fellow (Daniela Marianne Regina Walch) [20 min]

The MWG Fellow 2024 will provide a short summary of her research interests and visions for involvement in the MWG activities.

Open Session 2 (10:30 – 12:30 GMT)

2.4 Reports on MWG activities supported in 2023 [30 min]

2.4.1 Arctic and Subarctic Ocean Fluxes (ASOF) workshop 2023 (M.D. Perez-Hernandez – video) [5 min]

Arctic and Subarctic Ocean Fluxes (ASOF) is an international program on the oceanography of the Arctic and Subarctic seas and their role in climate. The key objectives of ASOF are to perform an Arctic/Subarctic synthesis of mass, heat & freshwater fluxes, create a forum where scientists and programs studying Arctic/Subarctic Ocean ecosystems and biology can interact, assist testing of ocean circulation and biophysical models of the Arctic and Subarctic. ASOF organizes yearly workshops for 30-50 participants. In 2023, ASOF workshop took place on 10-12 May at the IOGAG - Instituto de Oceanografía y Cambio Global - Universidad de las Palmas de Gran Canaria. The main topics of the ASOF 2023 workshop were: recent progress in research related to Arctic/Subarctic Oceans; and Arctic/Subarctic syntheses of mass, heat & freshwater fluxes, and their dynamics. The workshop also allowed to coordinate and plan future studies of the coupled dynamics of the Arctic and Subarctic oceans, including the physical system and its connection with the marine biogeochemical system and the ecosystem, contribute to the engagement phase of the Fourth International Conference on Arctic Research Planning (ICARP IV) process and to coordinate the

connection of the three Arctic DBOs (the well-established Pacific DBO, the establishment of a Davis Strait/Baffin Bay DBO and the Atlantic-Arctic DBO in development as part of the Arctic PASSION project).

2.4.2 Enabling Early Career Scientist and/or Indigenous Participation in Internationally Cross-Platformed Research Cruises (Lee Cooper, Takashi Kikuchi) [15 min]

The IASC Marine Working Group (MWG) provided funding to facilitate and support the participation of an early career scientist on a research cruise operated by an international partner in 2022, and again in 2023. The project's primary goal is to increase the participation of early career scientists and/or Indigenous knowledge holders on ships conducting oceanographic research in the Arctic on a cross-platform, international basis (platforms that would allow the participation of one country's scientist(s) on another's country's vessel). The object of this program in general is to improve international cooperation and coordination, data sharing, complement observations, and collaboration across international boundaries. This project supported travel to join the ship; shipboard costs are expected to be borne by the host country. With funding received by the IASC Marine Working Group and the support of the Japan Agency for Marine Science and Technology (JAMSTEC), and especially Dr. Takashi Kikuchi of JAMSTEC, Eva Silva Lopes of the Universidade do Porto (Portugal) was selected to join the expedition.

2.4.3 Enabling Early career scientists to contribute to development of long-term observational efforts in the Arctic Ocean (Arild Sundfjord) [10 min]

The IASC Marine Working Group (MWG) provided funding to support the participation of early career scientists and indigenous knowledge holders in the active planning stages of the large Distributed Biological Observatory (DBO) network.

2.5 ICARP IV (Henrieka Detlef) [60 min]

Updates of the status on the Fourth International Conference on Arctic Research Planning (ICARP IV).

Open Session 3 (13:30 – 15:30 GMT)

2.6. Initiatives and activities since the last meeting [50 min]

2.6.1 Decadal Collaborative Center (DCC) (Lee Cooper) [10 min]

Updates on the development of a Decadal Collaborative Center (DCC) for the Arctic Ocean to support the implementation of the UNODOS Arctic Action Plan.

2.6.2 Pan-Arctic DBO network (Arild Sundfjord, Jackie Grebmeier) [10 min]

Overview on the EU Arctic PASSION project and development of the pan-Arctic DBO network (including update from full day DBO meeting to be held the day before the MWG meeting).

2.6.3 The EU High Arctic Ocean Observation System (HiAOOS) project (Arild Sundfjord) [10 min]

Ongoing efforts towards a sustained Central Arctic multipurpose mooring network for ocean observations, acoustic tomography and geo-positioning will be presented.

2.6.4 UN Ocean Decade Conference (Arild Sundfjord, Heidi Kassens) [20 min]

Information will be provided on Arctic Ocean satellite events that will be held in Barcelona in April during the UN Ocean Decade Conference 2024 (<https://oceandecade.org/events/2024-ocean-decade-conference/>).

2.6.5 Connecting small scale fisheries, indigenous groups, and scientists in support of sustainable fishing and equitable blue carbon outcomes in the changing Arctic (Julia Mason) [10 min]

Information will be provided on a workshop on equitable and climate-informed governance approaches for emerging Arctic marine resources scheduled on Monday March 25th from 8:30-12:30.

2.7 Other marine activities [10 min]

2.7.1 The International Synoptic Arctic Survey (SAS) Program (Jackie Grebmeier) [10 min]

Updates on the activities performed and planned in the frame of the SAS.

3. MWG Budget

3.1 Update on the MWG budget (Laura Ghigliotti) [5 min]

State of the MWG funded activities (both cross-cutting and individual WG allocations).

4. Next MWG Meetings [5 min]

Planning for the fall online meeting and the ASSW2025 (Boulder Colorado, USA).