



## **Second Seabed 2030 Arctic – Antarctic – North Pacific Mapping Meeting 2019**

**November 9-10, 2019**

**Hosted by the Center for Coastal and Ocean Mapping, University of New Hampshire, USA**

**To the Arctic-Antarctic and North Pacific Mapping Community,**

We invite you to participate in the second Seabed 2030 **Arctic-Antarctic and North Pacific Mapping Meeting** at University of New Hampshire November 9-10. The meeting goals are to:

- Gather the Regional Mapping Committee (RMC) for each of the regions: Arctic Ocean, North Pacific Ocean and Southern Ocean
- Review the progress made since the first Seabed 2030 **Arctic-Antarctic and North Pacific Mapping Meeting** held at Stockholm University October 8-10, 2018.
- Identify new bathymetric data sources
- Discuss approaches to data processing and distribution
- Coordinate upcoming mapping expeditions

The meeting will immediately follow the annual meeting of the General Bathymetric Chart of the Oceans (GEBCO), 4-8 November, hosted by the University of New Hampshire. This provides the opportunity for the Arctic-Antarctic-North Pacific mapping community to also participate in the GEBCO meeting. Particularly relevant are the two first days of the GEBCO meeting, which will be focused on regional and technical aspects of ocean mapping, and the third day consisting of the “Map the Gaps” event dedicated to general presentations on ocean mapping from participants and invited speakers. The final two days are the GEBCO Guiding Committee’s Annual Meeting. If you intend to attend both meetings you can register for both at the GEBCO meeting site: <https://www.mapthegaps.org/>

If you only want to attend the Arctic-Antarctic-North Pacific Mapping Workshop, registration is made using a link from the Seabed 2030 website, where additional information also is available: [https://seabed2030.gebco.net/arctic\\_pacific/arctic\\_so\\_npac\\_2019mtg.html](https://seabed2030.gebco.net/arctic_pacific/arctic_so_npac_2019mtg.html)

**Deadline is Sept 1**

For logistical questions, please contact Renee Blinn ([rblinn@ccom.unh.edu](mailto:rblinn@ccom.unh.edu))

For questions concerning the program, please contact

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North Pacific: Paul Johnson ([pjohnson@ccom.unh.edu](mailto:pjohnson@ccom.unh.edu))

### **IBCAO/IBCSO/Seabed 2030 Background**

Seabed 2030 started in 2018 as a collaborative project between GEBCO and the Nippon Foundation with the aim of facilitating the complete mapping of the ocean floor by the year 2030. The project builds on the concept of regional mapping projects such as the International Bathymetric Chart of the Arctic Ocean (IBCAO) and the International Bathymetric Chart of the Southern Ocean (IBCSO). Within Seabed 2030, four Regional Centers have been established with the task of identifying existing data from their assigned regions and compiling these into regional gridded bathymetric compilations. The regional centers will also work for improved coordination between mapping expeditions in their regions and the development of protocols for data collection and common software and other tools needed to assemble and attribute appropriate metadata as they assimilate regional grids using standardized techniques.

The North Pacific and Arctic Ocean regions fall under a Regional Center established as shared center between Stockholm University and the University of New Hampshire. The Southern Ocean Regional Center within Seabed 2030 is the responsibility of Alfred Wegener Institute (AWI). These two Regional Centers will continue to support the work that has been carried out by IBCAO and IBCSO.

### **Preliminary Agenda**

Day 1 (Full day):

Introduction: ***Status on IBCAO, IBCSO, and the North Pacific***

Presentations from participants:

- 1. New bathymetric data from the North Pacific/Arctic/Antarctic***
- 2. Expedition coordination and opportunities: Planned North Pacific/Arctic/Antarctic mapping campaigns***
- 3. New Approaches of acquiring and processing bathymetry that may benefit the Seabed 2030 project***

We invite all to contribute with presentations on the topics above. At the registration link there will be a submission form for proposed presentations. Both oral presentations and posters will be welcomed. We envision short (10-15 min, depending on how many) presentations. We encourage all to be very specific on points such as: data distribution, quality, potential data restrictions, data status.

Day 2 (Finish early afternoon):

This day will be focused on developing an action plan. The work will be organized around break-out groups given the following task:

2. **Identify resources** (who are able to contribute, distribution of workload)
3. **Develop a specific list of data sets from day 1**
4. **Develop a specific list of planned mapping expeditions**
5. **Initialize data transfers**
6. **Synchronize approaches and workflows**
7. **Plan the next releases of IBCAO/IBCSO compilations**

**Summary and conclusions**

