

Pacific Arctic Group (PAG) 2022 Fall Meeting



**PAG Meeting Agenda
December 5-6, 2022
Victoria, British Columbia**
<http://pag.arcticportal.org/>

The PAG Fall Meeting is hosted at various locations in alternating PAG countries after the field season and is focused on review of accomplishments during the previous summer and outlooks for the future. The PAG 2022 Fall Meeting will be held on December 5 and 6 in-person at the Parkside Hotel in Victoria, British Columbia and online via a Zoom meeting.

Business Meeting: We report on and discuss: 2022 field activities and future plans, PAG endorsed projects (DBO, PACEO, CAO), joint research activities, interaction with other organizations/projects, PAG organizational issues and other business issues.

Science Workshop: In addition to the Business Meeting, we invite presentations reporting results, summaries and plans for the PAG endorsed projects and PAG related activities.

Virtual Zoom meeting:

<https://us02web.zoom.us/j/81996838458?pwd=WWZ4a25VUUUyYanBISnNvbHYzeXQ4dz09>

Please download the .ics file for your calendar:

https://us02web.zoom.us/meeting/tZUkfu-grTMuH9zBxvDzKUJZtCm4_wPvpRq5/ics?icsToken=98tyKuGppzIsEtedtByPRpwcHYr4M_zztlxbgvpHvgfzJz p4VynMIsFPZo1oIM7A

Dates and times:

Monday December 5th:

Arrive: 0830-0845
Start: 0900
Coffee: 1030-1045
Lunch: 1200-1330
Coffee: 1500-1515
Finish: 1700

Tuesday December 6th:

Arrive: 0830-0845
Start: 0900
Coffee: 1030-1045
Lunch: 1200-1330
Finish: 1500 to 1700 as needed

*Times are Pacific Time (PST)

AGENDA

Monday Dec 5th

[0900] **1. Welcome and Introduction** (*Bill Williams*)-[ppt1](#)

Welcome

Internet connection: Wireless: Parkside Password: marshmallow

Online Zoom meeting instructions

DFO covid protocol

Overview of PAG

Agenda Review

Introduction of participants

[0915] **2. Country reports: Activities during the 2022 field season and plans for 2023 (15 mins each):**

- Canada: *Bill Williams*, [ppt2](#)
- United States: *Jackie Grebmeier*, [ppt3](#)
- Japan: *Motoyo Itoh*, [ppt4](#)
- Korea: ☹moved to afternoon virtual presentation session.
- China: ☹moved to afternoon virtual presentation session.

[1000] **3. PAG-related joint research activities: reports, summaries, results, plans (15mins each + 5mins questions):**

To the North Pole:

- *Anna Nikolopoulos*: The NPI Arctic Ocean 2022 Cruise, [ppt5](#)
- *Carin Ashjian*: The 2022 US Synoptic Arctic Survey North Pole Cruise on *USCGC Healy*, [ppt6](#)

[1040 - 1100] Coffee break

Chukchi Sea, Beaufort Sea and the Canada Basin:

- *Seth Danielson*: Update on status, activities and results of the Chukchi Ecosystem Observatory (CEO) installation on the NE Chukchi shelf. [ppt7](#)
- *Bob Pickart*: [ppt8](#)
 - Phytoplankton blooms in the warming Chukchi Sea: two cruises on *R/V Norseman II*
 - Monitoring the Western Arctic Boundary Current in a changing climate: A late-season cruise on *R/V Sikuliaq*

[1200:1330] Lunch

4. Virtual presentations from China, Korea and Japan including Country Reports and PAG endorsed projects (15mins + 5min questions):

- **Virtual country reports:**
 - Korea: *Eun-Jin Yang* [virtual], [ppt9](#)
 - China: *Jianfeng He* [virtual], none
- **Pacific Arctic Climate Ecosystem Observatory (PACEO):**
 - *Jee-Hoon Kim* [virtual]: Interannual Patterns of Summer Mesozooplankton Community Structures in the Pacific Arctic Ocean, [ppt10](#)
 - *Kyoung-Ho Cho* [virtual]: Pacific Arctic Climate Ecosystem Observatory (PACEO) : Korean Physical Oceanography activity in 2022, [ppt11](#)
 - *Hyoung Sul La* [virtual]: Pacific Arctic Climate Ecosystem Observatory (PACEO) : Korean Biological Oceanography activity in 2022, [ppt12](#)
 - *Eun-Ho Ko* [virtual]: Inaugural meeting of the Conference Of the Parties(COP) to the agreement to prevent unregulated High Seas Fisheries in the Central Arctic Ocean, [ppt13](#)
- **Distributed Biological Observatory (DBO):**
 - *Jackie Grebmeier*: Summary of DBO activities, [ppt14](#)
 - *Amane Fujiwara* [virtual]: DBO results from Japan, [ppt15](#)
 - *Kohei Matsuno* [virtual]: Oshoro-Marui July 2023 cruise plan (5 mins), [ppt16](#)
- **Central Arctic Ocean (CAO):**
 - *Haiyan Jin* [virtual]: Biomarkers as indicators in the study of the biological pump in the Western Arctic Ocean. [ppt17](#)
 - *Shige Nishino* [virtual]: Report on a session of the CAO fisheries agreement in the Arctic Circle Assembly. [ppt18](#)
 - *Jihoon Jeong* [virtual]: Inaugural meeting of the conference of the parties (COP) to the agreement to prevent unregulated High Seas Fisheries in the Central Arctic Ocean. [ppt19](#)

[1700] Finish

Tuesday

[0900] **Continued: 3. PAG-related joint research activities: reports, summaries, results, plans (15mins each + 5mins questions):**

- *Craig Lee*: Results from the MIZ and SODA programs and Arctic technological developments. [ppt20](#)
- *Mike Steele*: Buoys and SST/SSS Remote Sensing for Pacific Arctic Waters. [ppt21](#)

Eurasian Arctic Ocean:

- Sarah B. Hall, Bulusu Subrahmanyam, and *Mike Steele*: The Role of the Russian Shelf in Seasonal and Interannual Variability of Arctic Sea Surface Salinity and Freshwater Content, [ppt22](#)
- *Igor Polyakov* [virtual]: Update on status, activities and results of NABOS. [ppt23](#)

[1030 - 1045] Coffee break

- *Ignatius Rigor*: Gaps in the International Arctic Buoy Program (IABP) Arctic Observing Network (AON) on the Eurasian side of the Arctic Ocean, [ppt24](#)

Modelling:

- *Nadia Steiner*: Biogeochemical Projections in the Pacific Arctic Region, [ppt25](#)
- *Yuanxin Zhang*: Arctic marine biogeochemical modeling in the Japanese ArCSII Project, [ppt26](#)
- *Jia Wang* [virtual]: Recent update of research and products, [ppt27a](#), [ppt27b](#), [ppt27c](#)

[1200 - 1330] Lunch

[1330] **5. Proposals for new research activities:**

- *Takashi Kikuchi* [virtual]: Report on Early Career Scientist Opportunities, Japan's new icebreaker and related symposium. [ppt28](#)
- *Anna Nikolopoulos*: Arctic PASSION - an EU project to support coordination and enhancement of an Arctic Observing System of Systems. [ppt29](#)

[1400] **6. Synthesis Activities:**

- *Danielle Dickson*: Update on AEIRP. [ppt30](#)
- *Jackie Grebmeier*: Special issue report. **included in [ppt14](#) DBO update**
- *Motoyo Itoh*: JGR special issue report. [ppt32](#)

[1430] **7. Updates/Other discussions:**

- ASSW2023 (17-24 Feb, Vienna, Austria. Hybrid): [ppt33](#)

- 1-day DBO Workshop (Business Meetings)
- DBO science session (Science Symposium)
- SAS science session (Science Symposium)
- ISAR-7 (6-10 March; Seventh International Symposium on Arctic Research, Tokyo, Japan. Hybrid)
 - SAS Session, *Shige Nishino* [virtual]- [ppt34](#)
 - Marine Ecosystem Session, *Jackie Grebmeier*, **included in [ppt33](#)**

[1445] **8. Chair and Secretariat rotates every 2 years at the end of the Fall Meeting:**

- 2012-2014 – USA (*Jackie Grebmeier, UMCES*)
- 2014-2016 - Korea (*Sung-Ho Kang, KOPRI*)
- 2016-2018 - Japan (*Takashi Kikuchi, JAMSTEC*)
- 2018-2020 - China (*Jianfeng He, PRIC*)
- 2020-2022 - Canada (*Bill Williams, DFO*)
- **2022-2024 - USA (*Jessica Cross, NOAA*)**
- **2024-2026 - ?**
- **2026-2028 - ?**

9. Past and Future PAG meetings:

Spring meetings at ASSW:

- 2012: IPY, Montreal, Canada
- 2013: Krakow, Poland
- 2014: Helsinki, Finland
- 2015: Toyama, Japan
- 2016: Fairbanks, Alaska, Japan
- 2017: Prague, Czech Republic
- 2018: Davos, Switzerland
- 2019: Arkhangelsk, Russia
- 2020: Akureyri, Iceland (online)
- 2021: Lisbon, Portugal (online)
- 2022: Tromsø, Norway (hybrid)
- **2023: Vienna, Austria (hybrid)**
- **2024: Edinburgh, UK**
- **2025: Boulder, Colorado, USA**

Fall meetings:

- 2010: Japan, Tokyo
- 2011: Canada, Victoria
- 2012: China, Suzhou
- 2013: Korea, Incheon
- 2014: USA, Seattle
- 2015: Korea, Incheon

- 2016: China, Qingdao
- 2017: USA, Seattle
- 2018: Japan, Hakodate
- 2019: China, Hangzhou
- 2020: Online
- 2021: Online
- 2022: Canada, Victoria, Canada (hybrid)
- **2023: ??**
- **2024: ??**
- **2025: ??**

10. Executive committee composed of:

- **PAG Chair: *Jessica Cross (USA)***
- Vice-Chairs (one representative from each PAG member nation):
 - *Bill Williams (Canada)*
 - *Shigeto Nishino (Japan)*
 - *Eun-Jin Yang (Korea)*
 - *Jianfeng He (China)*
- Leads from each of PAG activities:
 - DBO: *Jackie Grebmeier*
 - PACEO: *Kyoung-Ho Cho*
 - CAO: *Shigeto Nishino*

[1500 – 1700] **11. End of PAG Meeting.**