



Agenda

United States Arctic Research Commission's 113th Meeting

University of Maine. Orono, Maine

March 24, 2020

McIntire Room, Buchanan Alumni House, 4 Munson Road, Orono, ME 04473

8:30 – 9:50 A.M. **Meeting convenes:** Welcome by the **Honorable Fran Ulmer** (USARC Chair) and **Dr. Joan Ferrini-Mundy** (President, UMaine). Greetings and introductions. Chair's opening remarks. Approval of the agenda. Approval of Minutes. Commissioner roundtable (including Commissioner Richter-Menge's report on US Navy's 2020 Ice Exercise, staff reports.

Arctic research at University of Maine

9:50 – 10:30 A.M. **Terrestrial and ecological research**

- *How the past can inform terrestrial ecology, conservation, and management in the Arctic (Dr. Jacquelyn Gill, Assoc. Prof.)*
- *Greenland's freshwater lakes and climate change impacts, and Arctic elements of UMaine's Integrative Graduate Education and Research Traineeship (IGERT) – Adaptation to Abrupt Climate Change (Dr. Jasmine Saros, Prof.)*

10:30 – 10:45 A.M. **Break**

10:45 – 11:05 A.M. **Indigenous peoples, economics, health, and social policy**

- *Economic Well-Being in Northern Canada: Challenges and Opportunities (Dr. Angela Daley, Asst. Prof.)*

11:05 – 11:45 A.M. **Marine research**

- *Climate-induced changes in northern shrimp and marine mammal distributions, and management implications for Greenlandic and Arctic fisheries (PhD students of Dr. Yong Chen, Prof.: Nathaniel Willse (speaker) and Hsiao-Yun Chang*
- *The health and population dynamics of arctic and sub-arctic cold water corals: Importance of species, anthropogenic impacts and forecasting the future. (Dr. Rhian Waller, Assoc. Prof. or PhD graduate student Julia Johnstone)*

11:45 – 1:15 P.M. **Lunch**

- 1:15 – 1:55 P.M.** **Cryosphere and climate research**
- *Controls on ice sheet stability, and what may happen to the Greenland Ice Sheet by 2100. (Dr. Kristin Schild, Res. Assist. Prof.)*
 - *The Arctic ice core record: climate insights and pathways forward. (Dr. Karl Kreutz, Prof.)*
- 1:55 – 2:15 P.M.** **Engineering research relevant to the Arctic region**
- *New construction materials and energy sources. (Dr. Habib Dagher, Prof.)*
- 2:15– 2:30 P.M.** **Break**
- 2:30 – 3:15 P.M.** **Thoughts from the Director of UMaine’s Climate Change Institute**
- *Recommendations to the US federal government with respect to supporting Arctic research (Dr. Paul Mayewski, Prof.)*
- 3:15 – 4:00 P.M.** **Discussion and public comment/questions**
- 4:00 – 4:30 P.M.** **Commission Business**
- Review of USARC’s working groups and results from recent workshops*
 - Preview of other activities and plans for 114th and 115th meetings*
 - Any other business*
- 4:30 – 5:20 P.M.** **Executive Session (closed to public)**
- Pre-decisional discussion on USARC’s 2021-2022 Goals Report*
- 5:20 P.M.** **Meeting adjourns**