

Bringing the Arctic sea ice observational and modelling communities together to assess sea ice loss and its impacts

A Climate and Cryosphere (CliC) Arctic Sea Ice Working Group (ASIWG) Meeting

9:00am-9:15am - ASIWG Introduction (15 min)

- 1) Welcome, introductions, summary of previous meeting, & goals of meeting.

9:15am-10:00am - The International Polar Year (30 min of presentations, 15 min of discussion)

- 2) 09:15-09:30 Sebastian Gerland: *Previously on IPY -Selected Arctic sea ice physics studies during and since IPY IV (2007-08): Review and perspectives for IPY V (2032-33)*
- 3) 09:30-09:45 Craig Lee: *US planning activities towards the 5th IPY, Arctic GRA*

Discussion (15-min discussion)

10:00am-10:30am - Coffee & snacks (30 min)

10:30am-12:00am - New Applications & Approaches for Advancing Sea Ice Science (75 min of presentations, 15 min of discussion)

- 4) 10:30-10:45 David Clemens-Sewall: *Field Observations for Sea Ice Model Development*
- 5) 10:45-11:00 Alice DuVivier: *Modeling approaches for bridging the divide between modeling and observations*
- 6) 11:00-11:15 Andy Barrett: *Cool Open Science*
- 7) 11:15-11:30 Ioanna Merkouriadi: *Modeling Snow on Sea Ice using Physics Guided Machine Learning*
- 8) 11:30-11:45 Daehyeon Han: *Improved sea ice surface classification for ICESat-2 data using machine learning approach for segmentation*

Discussion (15-min discussion)

12:00pm-1:30pm - Lunch (1.5 hour)

13:30pm-15:30pm - Upcoming Products & Observational Opportunities (90 min of presentations, 30 min of discussion)

- 9) 13:30-13:45 Walt Meier: *New(ish) and Upcoming Sea Ice Products at NSIDC*
- 10) 13:45-14:00 Ignatius Rigor: *International Arctic Buoy Programme (IABP)*
- 11) 14:00-14:15 Sebastian Gerland: *Research collaboration in the Barents Sea and the adjacent Arctic Basin*
- 12) 14:15-14:30 Arild Sundfjord: *The Pan-Arctic DBO network*
- 13) 14:30-14:45 Marcel Nicolaus: *CONTRASTS (ArcWatch3, PS149) Contrasts of sea ice regimes in the Arctic Ocean during melt season*
- 14) 14:45-15:00 Gunnar Spreen: *International Science & Infrastructure for Synchronous Observation (Antarctica InSync)*

15) 15:00-15:15 Ruibao Lei: *Sea ice observational activities from Polar Research Institute of China*

Discussion (15-min discussion)

15:30pm-16:00pm - Coffee & snacks (30 min)

4:00pm-5:00pm - Wrap up (<60 min of discussion)
