

IGP workshop May 2021

Meeting hours: 15-18 CEST, 13-16 UTC, 09-12 EDT (all talks scheduled in CEST)

Format: 12 min presentation + 3 min discussion

15 min break out room discussions led by the presenters after each session

Wednesday 5 May

Zoom link: <https://uib.zoom.us/j/68542291945?pwd=K3pwbHNXVDIVaTN2US9POG8vTIZYQT09>

Session chair: Kjetil Våge

15:00-15:05 Jochen Reuder – Welcome

15:05-15:15 Bob Pickart – Update on the IGP website

15:15-15:30 Jie Huang – Wintertime water mass transformation in the western Iceland and Greenland Seas

15:30-15:45 Ian Renfrew – An evaluation of surface meteorology and fluxes over the Iceland and Greenland Seas in ERA5 reanalysis: the impact of sea ice distribution

15:45-16:00 Andy Elvidge – Surface heat and moisture exchange in the marginal ice zone: Observations and a new parameterization scheme for weather and climate models

16:00-16:15 Thomas Spengler – Sensitivity of Air-Sea Heat Exchange in Cold-Air Outbreaks to Model Resolution and Sea-Ice Distribution

16:15-16:30 Break out room discussions

Session chair: Stefanie Semper

16:30-16:45 Kent Moore – A new view of Greenland barrier winds provided by the ECMWF's high-resolution Arctic regional reanalysis

16:45-17:00 Harald Sodemann – An overview of water isotope measurements during IGP

17:00-17:15 Ian Renfrew – Observations of a cold air outbreak and its impacts on the Iceland Sea

17:15-17:30 Christiane Duschka – Characterization of coherent boundary-layer structures over the lifecycle of marine cold air outbreaks during IGP

17:30-17:45 Jie Huang – The ocean response to cold air outbreaks: a case study

17:45-18:00 Break out room discussions

Thursday 6 May

Zoom link: <https://uib.zoom.us/j/62235035359?pwd=bmtBWnBWb2JUL3NDS29ybWNzUHNDZz09>

Session chair: Ailin Brakstad

15:00-15:15 Kent Moore - Evolving air-sea interaction due to sea-ice retreat points to a re-organisation of water mass transformation in the Nordic and Barents Seas

15:15-15:30 Virryna (Yue) Wu – The Response of the Nordic Seas to Wintertime Sea-ice Retreat

15:30-15:45 Chris Barrell – Investigating short-term sea ice forecasts from coupled models in the Iceland and Greenland Seas

15:45-16:00 Stefanie Semper – Formation and circulation of dense water from two-year moored records in the Eggvin Offset, northwestern Iceland Sea

16:00-16:15 Emil Jeansson – Upstream sources to the densest component of the Denmark Strait Overflow seen from the hydro-chemical property envelope during the IGP campaign

16:15-16:30 Break out room discussions

Session chair: Chris Barrell

16:30-16:45 Ailin Brakstad – Tracing overflow water from the origin in the Nordic Seas to the Greenland Scotland Ridge

16:45-17:00 Mike Spall – Lateral redistribution of heat and salt in the Nordic Seas

17:00-17:15 Anna-Marie Strehl – Water mass transformation in the warming Greenland Sea between 1950 and 2019

17:15-17:30 Kjetil Våge – Four decades of dense water formation in the Iceland Sea

17:30-17:45 Stefanie Semper – The Iceland-Faroe Slope Jet: a conduit for dense water toward the Faroe Bank Channel overflow

17:45-17:55 Ian Renfrew – Summary\outlook for the IGP

17:55-18:10 Break out room discussions

Full Zoom invitations

Wednesday 5 May

Meeting URL: <https://uib.zoom.us/j/68542291945?pwd=K3pwbHNXVDIVaTN2US9POG8vTIZYQT09>
Meeting ID: 685 4229 1945
Password: p7YV8BTZ

Thursday 6 May

Meeting URL: <https://uib.zoom.us/j/62235035359?pwd=bmtBWnBWb2JUL3NDS29ybWNzUHNDZz09>
Meeting ID: 622 3503 5359
Password: 6NPKNG4R