



Program for interactive EGU2020 session OS1.13

Under cover: ice-ocean interactions from the boundary layer to the Southern Ocean

Date/Time: Thu, 07 May 2020, 16:15 to 18:00 CET (followed by an online open bar)

Place: <https://meetingorganizer.copernicus.org/EGU2020/displays/36180>

Registration for online **coffee break** and **open bar**: <https://forms.gle/mzgyByeJoYP3oYdRA>

Please look at the displays prior to the interactive text chat, since there will be no live presentations but an opportunity to ask questions to the presenters.

[Schedule overview](#)

14:00-15:45 [Session OS1.12](#)

15:45-16:15 Joined online **coffee/tea break** (registration required)

16:15-18:00 **Session OS1.13:**

16:15-16:50 **Characteristics of Polar Seas and connection with ice shelves and the open ocean**

16:50-17:20 **Sea ice and its interaction with ice shelves and the Southern Ocean**

17:20-18:00 **Turbulent Ice Shelf-Ocean Boundary Layers**

18:00- Joined online **open bar** (registration required)

Detailed program of interactive chat (text only)

OS1.12/13 joined online coffee/tea break (15:45-16:15)

Bring your own drink and display your favorite coffee place in the background. We will break-out into smaller groups.

OS1.13 Session OS1.13 (16:15-18:00)

Characteristics of Polar Seas and connection with ice shelves and the open ocean (16:15-16:50; Chairs: Leo, Louis)

Raquel Flynn ([D2761 | EGU2020-21107](#)):

Productivity and carbon export potential in the Weddell Sea, with a focus on the waters near Larsen C Ice Shelf

Katherine Hutchinson ([D2768 | EGU2020-112](#)):

Water Mass Characteristics and Distribution Adjacent to Larsen C Ice Shelf, Antarctica

Roberto Grilli ([D2772 | EGU2020-2984](#)):

Subsea Water Isotope Sensors: A novel tool for continuous and in-situ analysis

Chengyan Liu ([D2770 | EGU2020-2319](#)):

On the modified Circumpolar Deep Water upwelling over the Four Ladies Bank in Prydz Bay, East Antarctica

Ria Oelerich ([D2763 | EGU2020-463](#)):

Cross-Slope Observations in the Bellingshausen Sea, Southern Ocean

Ute Hausmann ([D2767 | EGU2020-22464](#)):

The role of tides in ocean-ice-shelf interactions in the southwestern Weddell Sea

Sea ice and its interaction with ice shelves and the Southern Ocean (16:50-17:20; Chairs: Nadine, Xylar)

Lucile Ricard ([D2765 | EGU2020-17820](#)):

Impact of the Mertz Glacier Tongue calving on the emergence of polynyas in the d'Urville Trough, East Antarctica

Pierre-Vincent Huot ([D2780 | EGU2020-19677](#)):

Investigating the dynamics of an Antarctic coastal polynya using a regional climate model

Isabelle Giddy ([D2777 | EGU2020-9934](#)):

The Seasonality of submesoscale variability in the Antarctic Seasonal Ice Zone

F. Alexander Haumann ([D2782 | EGU2020-22008](#)):
Sea-ice Induced Southern Ocean Subsurface Warming and Surface Cooling in a Warming Climate

Sönke Maus (D2762 | EGU2020-6039):
Microstructure and solutal boundary layer at the sea ice - ocean interface

Turbulent Ice Shelf-Ocean Boundary Layers (17:20-18:00; Chairs: Irena, Xylar)

Ryan Patmore ([D2769 | EGU2020-10388](#)):
Assessing z-level modelling of the ice shelf - ocean boundary layer

Leo Middleton ([D2781 | EGU2020-9112](#)):
Onset of Double-Diffusive Convection in the Ice Shelf/Ocean Boundary Layer

Louis-Alexandre Couston ([D2776 | EGU2020-19054](#)):
Ice melting in a turbulent stratified shear flow

Carolyn Branecky Begeman ([D2774 | EGU2020-10848](#)):
Toward a new ice-shelf melt rate parameterization with large-eddy simulations

Peter Davis ([D2771 | EGU2020-50](#)):
Turbulence Observations in the Grounding Zone Region of Thwaites Glacier

OS1.12/13 joined online open bar (18:00-)

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