

Mini-workshop on the Southern Ocean

This mini-workshop aims at bringing together physical oceanographers and atmospheric scientists, from both the observational and modelling communities, to share their latest work and discuss their future projects in order to create new scientific synergies both at the Swedish and at the international level.

When: Thursday 21 April 2016, 10h-18h

Where: Department of Meteorology (MISU), Room C609

Organizer: Fabien Roquet (MISU)

Program:

10h00 Fabien Roquet (MISU). *Welcome and introduction to the workshop*

10h20 Anna Wåhlin (Göteborg Uni). *Circulation and water masses in the Amundsen Sea*

11h00 Pause

11h20 Liam Branningham (MISU). *The role of lateral instabilities in the export of meltwater outflow from beneath an ice shelf*

11h50 Etienne Pauthenet (MISU). *The Southern Ocean thermohaline structure*

12h20 Guy Williams (IMAS, Hobart), *Drones over the three Polar Sea Ice regions*

12h50 Lunch

14h00 Gurvan Madec (LOCEAN/CNRS, Paris). *Bottom boundary controls of the MOC*

14h30 Casimir de Lavergne (LOCEAN/CNRS, Paris). *Global water mass transformation by parameterized internal wave-driven mixing*

15h00 Friederike Pollmann (Uni. Hamburg). *How Does the Global Internal Wave Model "IDEMIX" Compare to Argo-Based Finestructure Estimates?*

15h30 Pause

15h50 Filippa Fransner (MISU). *The contribution of non-ionic salt variations to the global ocean circulation*

16h20 David Hutchinson (IGV). *Interhemispheric asymmetry of warming in an eddy permitting coupled sector model*

16h50 Jonas Nycander (MISU). *The nonlinear equation of state of sea water and the global water mass distribution*

17h20 Discussion, including a short presentation of SOOS by A. Wåhlin

19h00 Dinner at the Asian food restaurant Holiday (www.restaurangholiday.com), address: Mäster Samuelsgatan 60, near T-centralen station.

Lunch sandwiches and refreshments will be served. Note also that poster walls will be available for those who would like to present their work during lunchtime.

Feel free to join for dinner. If you are interested, please send me an email (roquet@misu.su.se) as soon as possible for the reservation.

We thank the Bolin Centre RA1 for sponsoring this event.

