

# Workshop on the Role of Sea Ice and its Variability in the Climate System

## Description:

The sea ice plays a key role in the climate system, through its impact on radiative fluxes and the modulation of freshwater, energy and gas transfers between the atmosphere and the ocean. Sea ice is also key to polar ecosystems and plays a central role in the lives of human communities in the Arctic. Sea ice has been undergoing drastic changes over the past few decades in the Arctic, and more recently in the Antarctic, with important regional and global implications that we have yet to unravel and quantify.

## MORE DETAILS:

The objective of this workshop is to review the recent advances on understanding the variability of the sea ice in both hemispheres and its linkage with the climate system, and to discuss the important research avenues and opportunities to refine this understanding. To do so, the workshop will feature keynotes, group and panel discussions, as well as poster presentations with a focus on the following topics, each covering both polar regions:

- Sea ice prediction and projections
- Drivers of the recent sea ice decline
- MIZ and coastal processes
- From Mosaic to Antarctica InSync: perspective and prospective

## KEYNOTE SPEAKERS INCLUDE:

T. BRACEGIRDLE, BAS, UK  
M. GUPTA, Delft Institute of Technology, Netherlands  
A. HAUMANN, AWI/LMU, Germany  
C. LIQUE, IFREMER, France  
F. MASSONNET, UC Louvain Belgium  
M. NICOLAUS, Alfred-Wegener-Institut, Germany  
S. STAMMERJOHN, University of Colorado Boulder, USA  
M. VICHI, University of Cape Town, South Africa

Participants seeking to attend the whole period (22 - 31 July), can apply to the "School and Workshop on Polar Climates: Theoretical, Observational and Modelling Advances".



29 - 31 July 2024



Trieste, Italy



Deadline:  
1 May 2024

## DIRECTORS:

C. DUFOUR, McGill University, Canada  
A. HAUMANN, AWI, Germany  
D. IOVINO, CMCC, Italy  
T. MARTIN, GEOMAR, Germany  
B. RABE, AWI, Germany  
A. SCARDILLI, SHN, Argentina  
A. SOLOMON, NOAA, USA

## LOCAL ORGANISER:

R. FARNETI, ICTP, Italy

## GRANTS:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

## FURTHER INFORMATION:



E-mail: [smr3960@ictp.it](mailto:smr3960@ictp.it)

Web: <https://indico.ictp.it/event/10611/>

Female scientists are encouraged to apply

