

School and Workshop on Polar Climates: Theoretical, Observational and Modelling Advances

Description:

Polar climates are key components of the global climate and have been undergoing rapid and dramatic changes over the past decades.

This activity will emphasize the interactions between the cryosphere, ocean and atmosphere within the polar regions and the impacts of the ongoing changes in the polar regions on the regional and global climate.

For each topic covered, both Arctic and Antarctic regions will be discussed by leading experts who will highlight similarities and differences between these regions.

The School will be followed by a Workshop (29 - 31 July) on *"The role of sea ice and its variability in the climate system"*. Applications are accepted for the School and Workshop or the Workshop only.

TOPICS:

- Polar hydrography;
- Atmospheric processes and interactions with ocean and cryosphere;
- Ocean-ice sheet interactions;
- Role of sea ice and its changes under global warming;
- Biogeochemical processes and their physical drivers;
- Observational techniques and numerical modelling.

LECTURERS:

C. BITZ, University of Washington, USA
T. BRACEGIRDLE, BAS, UK
M. P. CHIDICHIMO, CONICET, Argentina
F. COLLEONI, OGS, Italy
I. FRENGER, GEOMAR, Germany
M. V. GUARINO, ICTP, Italy
M. GUPTA, Delft Institute of Technology, Netherlands
P. KUSHNER, University of Toronto, Canada
P. MYERS, University of Alberta, Canada
I. PEREZ, Finnish Environment Institute, Finland
I. SMITH, University of Otago, New Zealand
L. TEDESCO, Finnish Environment Institute, Finland
S. WATERMAN, University of British Columbia, Canada
L. ZAMPIERI, CMCC, Italy



22 - 31 July 2024



Trieste, Italy



**Application and Deadlines:
1 April 2024**

DIRECTORS:

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A. SOLOMON, University of Colorado/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:



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Female scientists are encouraged to apply

