

THE COLD IS GETTING HOT!

SCIENTIFIC SYMPOSIUM ON POLAR REGIONS
MONACO, 24-25 FEBRUARY 2022
OCEANOGRAPHIC MUSEUM OF MONACO



Environmental changes in the Arctic and Antarctic are accelerating, mostly induced by human activities causing climate change. Not only do these changes affect local biophysical and living things in both poles - fauna and flora, [Arctic] local communities, and ecosystem functioning-, they also affect the broader climate, human and ecological systems far beyond the polar regions. Issues such as permafrost thawing, Greenland ice sheet loss, or West Antarctic ice sheet disintegration may impact countries and stakeholders way beyond the riparian areas.

The symposium will convene leading scientists to discuss **how, how fast and in what ways changes in our planet's polar regions are affecting Earth climate, living and social systems** and how this concerns us all.

The event will inform management, policies and collective action in the poles and feed into processes at international and regional levels. It will serve as a landmark dialogue reaffirming the role of science in decision making and revisiting

the critical role of the cryosphere in a changing climate.

The Symposium is being organised by the Prince Albert II of Monaco Foundation with the Scientific Committee on Antarctic Research (SCAR) and the International Arctic Science Committee (IASC) as co-conveners, in collaboration with the Oceanographic Institute of Monaco and labelled under the UN Decade for Ocean Science for Sustainable development. Recognizing their expertise and work on the subject, a number of key partners and experts will feed the talks, including the participation of early career scientists.

The Symposium is privileged as an in-person event and hosted at the Oceanographic Museum of Monaco and available on streaming.

Convened under the presidency of HSH Prince Albert II of Monaco, it will reassert the priority of the Foundation for polar regions and amplify the call for dialogue across sciences and policies.

SESSION 1: UNDERSTANDING CHANGES IN THE POLES
SESSION 2: CONTRIBUTION OF POLAR CHANGES TO THE GLOBAL CLIMATE
SESSION 3: EFFECTS OF POLAR CHANGES UPON GLOBAL HUMAN SOCIETIES & ECONOMIES
SESSION 4: MANAGEMENT RESPONSES IN THE FACE OF UNCERTAINTIES