

PRESS BRIEFING

Monday June 24, 12-12:30PM CET

Nairobi Room 04

PRESS BRIEFING LIVESTREAMED AND CACHED AT UNFCCC/INT

SIDE EVENT

Monday June 24, 15:00-16:30

Room Berlin

**Looking Beyond 2100: Cryosphere and Inter-generational Justice:
New Urgency for COP-25 and 2020 NDCs
Long-term Global Feedbacks from Ice Sheets and Permafrost**

As we approach September's release of the IPCC Special Report on Oceans and Cryosphere (SROCC), two leading scientists will outline some of the most key recent cryosphere research and implications for whether even a 1.5 degree goal can be considered sufficient in the long term. In particular, a focus only on impacts by 2100 (let alone the recently reported decision by one government to halt model simulations at 2040) grossly under-estimates the science-based actual impacts of global feedbacks from both ice sheets and permafrost. To protect future generations, irreversible long-term impacts set in motion by delay and overshoot must be included in policy considerations, especially for 2020 NDCs.

The side event will also outline the Chilean COP Presidency's plans for a dedicated Cryosphere Pavilion at COP-25 in Santiago, and a discussion of the recent Nordic Declaration on Carbon Neutrality: both of which represent new commitments by these Arctic, Antarctic and mountain nations to slow and hopefully, deter these global impacts from cryosphere in time.

Scientists will also comment on the currently-ongoing rapid melt events on Greenland, with Arctic sea ice and escalating impacts on coastal permafrost thaw around the Beaufort Sea.

**What the Past Tells Us About the Future:
Ice Sheets and Irreversible Sea-level Rise**

**Dr. Julie Brigham-Grette, Chair, U.S. Polar Research Board and Chair, Department of
Geosciences, University of Massachusetts-Amherst**

**Doubling of Long-term Climate Forcing Estimates from Permafrost?:
Recent Comment to *Nature* and Implications for Carbon Budgets**

**Dr. Gustaf Hugelius, Chair, Permafrost and Carbon Budgets Interest Group, International
Permafrost Association and Senior Lecturer, Stockholm University**

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