

# Colloquium in Climatology, Climate Impact and Remote Sensing

## Spring Semester 2021

Wednesdays, 14:15, seminar room 116, Mittelstrasse 43, 3012 Bern (if Covid restrictions allow)

Zoom: <https://unibe-ch.zoom.us/j/92361406198>

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| Mar 3     | <b>Gabriel Chiodo (ETHZ)</b><br>On the role of stratospheric composition feedbacks in tropospheric and surface climate   |
| Mar 10    | <b>Sebastian Westermann (University of Oslo)</b><br>Remote sensing and modelling of permafrost in the ESA Permafrost CCI project   |
| Mar 17    | <b>TBA ()</b><br>TBA   |
| Mar 24    | <b>Patricia de Rosnay (ECMWF)</b><br>Satellite data for land surface analysis in NWP systems   |
| Mar 31    | <b>Hilla Gerstmann Afargan (ETHZ)</b><br>Stratospheric influence on the North Atlantic storm track and cold extremes   |
| Apr 14    | <b>Alessio Ciullo (University of Bern)</b><br>Systemic flood risk management planning: accounting for risk-distribution and uncertain hydraulic interactions in large-scale flood risk systems |
| Apr 21    | <b>Marlene Kretschmer (University of Reading)</b><br>Causal Inference and Causal Discovery to analyse teleconnection pathways  |
| Apr 28    | <b>Dominik Fleitmann (University of Basel)</b><br>Climate and Civilizations in Mesopotamia – New paleoclimate reconstructions from Iraq  |
| May 5     | <b>Kari Luojus (FMI)</b><br>Northern Hemisphere Snow Water Equivalent retrieved from Satellite Data  |
| May 12    | <b>Natalie Ceperley (University of Bern)</b><br>Hydrological Stories as told by Stable Isotopes of Water   |
| May 19/26 | <b>Martin Wegmann (University of Bern)</b><br>How snow in Mongolia causes snow in Madrid: What centennial seasonal prediction experiments can tell us  |
| June 2    | <b>Christopher Merchant (University of Reading)</b><br>Climate data records for sea and lake temperature from thermal remote sensing   |