

# Colloquium in Climatology, Climate Impact, Remote Sensing, and Geocomputation

## Spring Semester 2024

Wednesdays, 2:15, seminar room F -123, Lerchenweg 36, 3012 Bern  
Zoom Room: <https://unibe-ch.zoom.us/j/62818249605> (Password: 742196)

- |        |  |
|--------|--|
| Feb 28 | <b>Prof. Dr. Robert Jeffrey Trapp (University of Illinois)</b><br>PERiLS: A field campaign devoted to study of hazardous mesoscale convective systems          |
| Mar 06 | <b>Dr. Paolo Benettin (University of Lausanne)</b><br>Timescales of watershed responses to storm events  |
| Mar 13 | <b>Dr. Alexandre Tuel (Geolabe)</b><br>Measuring soil moisture from satellite data: science and challenges   |
| Mar 20 | <b>Wei Wang (University of Bern)</b><br>Near-surface air temperature estimation for areas with sparse observations based on transfer learning                  |
| Mar 27 | <b>Prof. Dr. Robert Jnglin Wills (ETHZ)</b><br>Multi-Decadal Climate Projections: Are Climate Models Fit for Purpose?  |
| Apr 24 | <b>Prof. Dr. Michael Raissig (University of Bern)</b><br>Making better "breathing pores" - how stomatal form improves plant-atmosphere gas exchange in grasses |
| May 1  | <b>Vitus Benson (Max Planck Institute for Biogeochemistry)</b><br>Multi-modal deep learning for geospatial vegetation forecasting                              |
| May 8  | <b>Dr. Maja Zuvella-Aloise (GeoSphere Austria)</b><br>Urban heat and adaptation to climate change on example of Austrian cities                                |
| May 15 | <b>Dr. Jonathan Mittaz (University of Reading)</b><br>TBA  |
| May 22 | <b>Dr. Dr. Lluís Pérez-Planells (Karlsruhe Institute of Technology)</b><br>Land surface temperature retrieval and its annual-diurnal modelling                 |
| May 29 | <b>Prof. Dr. Gabriele Manoli (EPFL)</b><br>Drivers and health impacts of urban heat islands  |