

# Colloquium in Climatology, Climate Impact and Remote Sensing

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UNIVERSITÄT  
BERN

Institute of Geography  
Climatology  
Climate Impact  
Remote Sensing

## Autumn Semester 2022

Wednesdays, 14:15, seminar room 324, Mittelstrasse 43, 3012 Bern

Zoom Room: <https://unibe-ch.zoom.us/j/61575666725> (Password: 758481)

- Sept 28      **Christian Sigg (MeteoSwiss)**  
Photographic Visualization of Weather Forecasts with Generative Adversarial Networks
- Oct 5        **Eliza Harris (SDSC)**  
Warming and redistribution of nitrogen inputs drive an increase in terrestrial nitrous oxide emission factor
- Oct 12      **Helge Aasen (Agroscope)**  
Ecophysiological Remote Sensing to address agroecological challenges – Remote Sensing at Agroscope
- Oct 14      **Jianquan Dong (University of Bern)**  
Humid heat waves: Dataset, assessment and risk
- Oct 19      **Leonie Villiger (ETHZ)**  
Looking into the cloud-circulation coupling in the trade-wind region using stable water isotopes
- Oct 26      **Alexandre Tuel (University of Bern)**  
Persistent temperature and precipitation extremes in the Northern Hemisphere
- Nov 2       **Qing Sun (University of Bern)**  
The seasonal cycles of atmospheric N<sub>2</sub>O and land biosphere N<sub>2</sub>O fluxes
- Nov 9       **Angela-Maria Burgdorf (University of Bern)**  
A 175-year perspective on Indian summer monsoon onset variability and its drivers
- Nov 16      **Daniel Regenass (MeteoSwiss)**  
Testing and tuning a simple groundwater model for high resolution weather and climate modelling
- Nov 23      **Devis Tuia (EPFL)**  
Machine learning supporting ecology supporting machine learning
- Nov 30      **Koen Hufkens (BlueGreen Labs)**  
Near-surface remote sensing in Vegetation monitoring and modelling
- Dec 7       **Paul Froidevaux (Meteotest)**  
Miscellaneous activities of a climatologist in a private company: icing of helicopters, extreme storms on cable cars, heating wind turbines, wind map of Switzerland, and more
- Dec 14      **Daniel Fenner (University of Freiburg)**  
Urban boundary layer characteristics - First insights from the urbisphere-Berlin campaign
- Dec 21      **Elin Lundstad (University of Bern)**  
Past Climate Variations in Early Instrumental Data