

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>

- 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 N₂O and land biosphere N₂O 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