

19th
SWISS CLIMATE SUMMER SCHOOL
23–28 August 2020
Grindelwald

EXTREME WEATHER AND CLIMATE: FROM ATMOSPHERIC PROCESSES TO IMPACTS ON ECOSYSTEMS AND SOCIETY

ETH zürich

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**UNIVERSITÄT
BERN**
**OESCHGER CENTRE
CLIMATE CHANGE RESEARCH**



THE ATMOSPHERIC PERSPECTIVE AND THE IMPACTS PERSPECTIVE



ATMOSPHERIC PROCESSES AND STATISTICAL CONCEPTS



IMPACTS OF EXTREME EVENTS ON HUMANS, ECOSYSTEMS, AND SOCIETY



WHY SHOULD WE CARE?



SWISS CLIMATE RESEARCH

The network of leading Swiss institutions in climate research and education invites young scientists to join high-profile climate researchers in a scenic Swiss Alpine setting for keynote lectures, workshops, and poster sessions on the occasion of the 19th Swiss Climate Summer School 2020.

SCOPE OF THE SUMMER SCHOOL

The 19th Swiss Climate Summer School is focusing on the theme "Extreme weather and climate: from atmospheric processes to impacts on ecosystems and society". This theme has been chosen due to its paramount importance in terms of both scientific challenges and pressing societal concerns. Always with a focus on extreme weather and climate, the specific topics include:

- The atmospheric perspective and the impacts perspective
- Atmospheric processes and statistical concepts
- Impacts of extreme events on humans, ecosystems, and society
- Why should we care?

This summer school addresses Early Stage Researchers from the climate, engineering, social and economic sciences. In addition to keynote lectures from internationally renowned experts and extensive time for discussions and poster sessions, two half days will be spent in smaller groups working jointly on concrete case studies, involving practitioners. The theme of the summer school is very timely, as the role and of extreme weather and climate is a rapidly emerging topic for science, technology, and policymaking alike, and has also led to several initiatives around the world. All Summer School participants are expected to present a poster of their research.

LECTURERS (confirmed)

GABRIELA AZNAR-SIGUAN (ETH Zurich, CH)
CLAUS BEISBART (U Bern, CH)
DAVID BRESCH (ETH Zurich, CH)
STEFAN BRÖNNIMANN (U Bern, CH)
ERICH FISCHER (ETH Zurich, CH)
JÖRG FRANKE (U Bern, CH)
THOMAS FRÖLICHER (U Bern, CH)
MARKUS HOHL (BABS, CH)

REBECCA MORSS (UCAR/NCAR Boulder, USA)
NAOMI ORESKES (Harvard University, USA)
CHRISTIAN OTTO (PIK Potsdam, D)
CHRISTOPH C. RAIBLE (U Bern, CH)
OLIVIA MARTIUS (U Bern, CH)
ALEXANDER RUANE (NASA GISS, USA)
SONIA I. SENEVIRATNE (ETH Zurich, CH)
THOMAS F. STOCKER (U Bern, CH)

DEADLINE FOR APPLICATIONS: 11 JANUARY 2020

The Summer School is open to young researchers (PhD students and Post-Docs) worldwide. Participation is highly competitive and will be limited to a maximum of 70. The registration fee (1250 CHF) includes half board accommodation, excursion, and teaching material. Successful applicants will be notified in February 2020. Detailed information and the application form are available at:

www.oeschger.unibe.ch/summerschool

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The Swiss Climate Summer School is organized and supported by:

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