



SWISS CLIMATE RESEARCH

16th International Swiss Climate Summer School
3 – 8 September 2017
Congresso Stefano Franscini, Monte Verità, Ticino, Switzerland

HIGH-RESOLUTION CLIMATE: OBSERVATIONS, MODELS AND PROJECTIONS

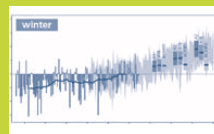
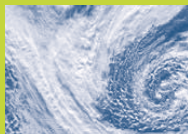
Swiss Climate Research, the network of leading Swiss institutions in climate research and education, invites young scientists to join high-profile climate researchers in Southern Switzerland for keynote lectures, workshops and poster sessions at the 16th Swiss Climate Summer School in 2017.

SCOPE OF THE SUMMER SCHOOL

The 16th International Swiss Climate Summer School focuses on 'High-resolution climate: observations, models and projections'. With the advent of satellites and high-performance computing, the resolution of climate information is dramatically increasing. This development is of critical importance from a societal point of view. It will improve the representation of key processes, weather systems and extreme events; reduce uncertainties in climate projections; and facilitate the use of climate information for mitigation and adaptation measures. Topics covered will include:

- What observational methodologies provide high-resolution data?
- How suitable are current global and regional climate models for high-resolution application?
- What is the role of high resolution in representing extreme events such as heat waves, droughts, wind storms and floods?
- How can we exploit the highly parallel and heterogeneous hardware architectures of emerging generations of high-performance supercomputers?
- How can high-resolution information be used to inform decision processes in the context of a changing climate?

The Summer School invites young researchers from all fields of climate research. The courses cover a broad spectrum of cutting-edge climate research and foster cross-disciplinary links. Each topic includes keynote plenary lectures and workshops with in-depth discussion in smaller groups. All Summer School participants are expected to present a poster of their research. There will be ample opportunity for discussion.



LECTURERS FOR KEYNOTES AND WORKSHOPS

C. Bretherton, U Washington, USA
S. Brönnimann, U Bern, OCCR, CH
V. Ducrocq, Meteo France, FR
A. Duguay-Tetzlaff, MeteoSwiss, CH
C. Frei, MeteoSwiss, CH
O. Fuhrer, MeteoSwiss, CH
U. Hamann, MeteoSwiss, CH
T. Hoefler, ETH Zurich, CH
S. Kotlarski, MeteoSwiss, CH
X. Lapillonne, MeteoSwiss, CH

M. Liniger, MeteoSwiss, CH
T. Palmer, U Oxford, UK
O. Romppainen-Martius, U Bern, OCCR, CH
C. Schär, ETH Zurich, CH
T. Schulthess, ETH Zurich, CSCS, CH
B. Stevens, MPI, DE
R. Stöckli, MeteoSwiss, CH
J. Trentmann, DWD, DE
P.L. Vidale, U Reading, UK
H. Wernli, ETH Zurich, CH

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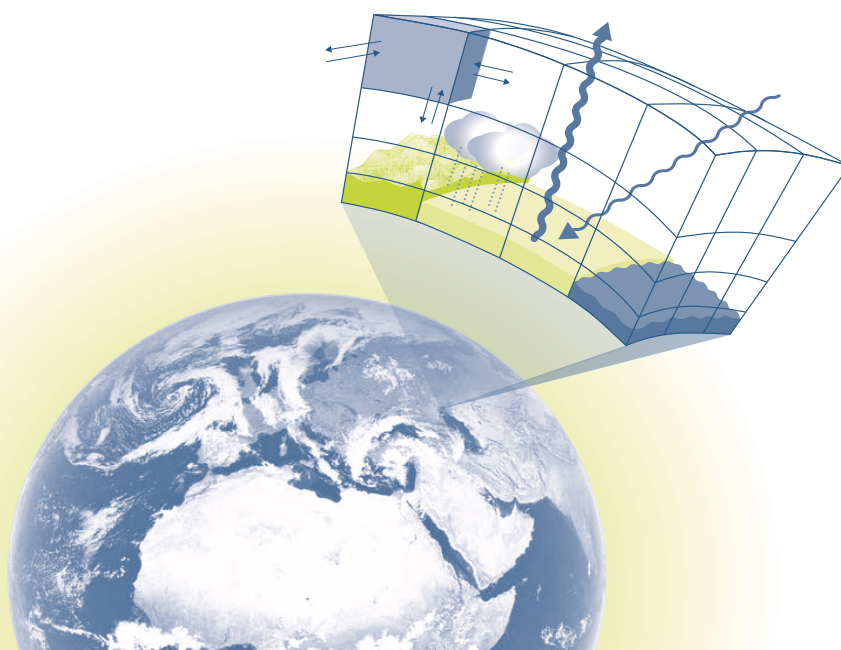
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The Summer School is open to young researchers (PhD students and Postdocs) worldwide. Participation is highly competitive and will be limited to a maximum of 70. The registration fee (1350 CHF) includes full (shared) board accommodation, excursion, and teaching material.

~~DEADLINE FOR APPLICATIONS: 31 DECEMBER 2016~~

>> DEADLINE EXTENDED TO 22 JANUARY 2017 <<

Successful applicants will be notified in February 2017.
Detailed information and application form are available at:
www.climate-research.ch



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The Swiss Climate Summer School is organized and sponsored by:



ETH zürich

