

C2SM NEWS

TEXT: CHRISTINA SCHNADT POBERAJ, NICOLAS GRUBER, CHRISTOPH SCHÄR, SONIA SENEVIRATNE AND KUNO STRASSMANN

The IPCC Special Report on Global Warming of 1.5 °C and the new climate change scenarios for Switzerland CH2018 have been released. We announce the Latsis Symposium 2019 and the 18th Swiss Climate Summer School.

IPCC SPECIAL REPORT GLOBAL WARMING OF 1.5°C RELEASED

The report was released and presented at the Proclim media information event on October 8 in Bern. C2SM members Sonia Seneviratne and Andreas Fischlin were the main Swiss representatives involved in this report. ■

 MORE INFORMATION
IPCC (2018) Global Warming of 1.5°C. Summary for Policymakers (SPM). www.ipcc.ch/report/sr15

NEW CLIMATE CHANGE SCENARIOS FOR SWITZERLAND PUBLISHED

The new climate change scenarios CH2018 were published on 13 November 2018 at ETH Zurich. For more details and links to further information, see the article by NCCS. The CH2018 project is a focus area of NCCS. ■

 MORE INFORMATION
www.climate-scenarios.ch

ANNOUNCEMENTS

LATSIS SYMPOSIUM 2019: HIGH-RESOLUTION CLIMATE MODELING: PERSPECTIVES AND CHALLENGES

The SNF Sinergia crCLIM project has been awarded the 2019 Latsis Symposium at ETH. The conference will be organized together with the 3rd GEWEX Workshop on Convection-Permitting Climate Modeling and will take place on 21-23 August 2019 at ETH Zurich. It will focus on scientific and technical challenges related to km-scale global and regional climate modeling and will bring together scientists from climate modeling, computer sciences and numerical methods – to address climate and weather time scales, the water cycle and extreme events, and emerging supercomputing platforms and software strategies. ■

 MORE INFORMATION
www.latsis2019.ethz.ch

SWISS CLIMATE SUMMER SCHOOL 2019: «CARBON AND CLIMATE IN THE PARIS WORLD: GETTING OUT OF THE FOSSIL FUEL CARBON BUDGET CRUNCH»

The 18th Swiss Climate Summer School will take place on 8-13 September 2019 on Monte Verità in Ascona, Switzerland and is organized by C2SM. Its topic will unfold around the global carbon budget in a world constrained by the Paris Agreement, which limits the global warming to stay well below 2°C and possibly as low as 1.5°C. The registration for the school has been opened since the beginning of November 2018. ■

 MORE INFORMATION
www.climate-research.ch

SCIENCE HIGHLIGHTS

PAPER: THE MANY POSSIBLE CLIMATES FROM THE PARIS AGREEMENT'S AIM OF 1.5°C WARMING

The United Nations' Paris Agreement pursues efforts to limit global warming to 1.5°C above pre-industrial levels. In this paper, the authors show that trajectories towards a '1.5°C warmer world' may result in vastly different outcomes at regional scales. Pursuing policies consistent with the 1.5°C aim will not completely remove the risk of global temperatures being much higher or of some regional extremes reaching dangerous levels for ecosystems and societies over the coming decades. ■

REFERENCES

Seneviratne SI, Rogelj J, Séférian R, Wartenburger R, Allen MR, Cain M, Millar RJ, Ebi KL, Ellis N, Hoegh-Guldberg O, Payne AJ, Schleussner C-F, Tschakert P, Warren F (2018) The many possible climates from the Paris Agreement's aim of 1.5°C warming. *Nature* 558: 41-49.
<https://doi.org/10.1038/s41586-018-0181-4>

 CONTACT
info.c2sm@env.ethz.ch