



## **Towards the new CH2018 climate scenarios for Switzerland**

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There is a growing demand for regional assessments of future climate change and its impacts on society and ecosystems to inform and facilitate appropriate adaptation strategies. The basis for such assessments are consistent and up-to-date climate change scenarios on the local to regional scale. In Switzerland, an important step has been accomplished by the release of the climate scenarios in 2011 (“CH2011”). Since then, new climate model simulations have become available and the scientific understanding has improved. It is hence desirable to update these national scenarios. The new CH2018 scenarios are developed in the framework of the recently founded National Center for Climate Services (NCCS), a network consisting of several federal offices and academic partners.

The CH2018 scenarios will build primarily upon the latest Euro-CORDEX regional climate model simulations assuming different pathways of future greenhouse gas concentrations. Compared to CH2011, more emphasis will be put on changes in extremes and in putting the projected changes in the context of observed variability. Results of a recently conducted survey on end-user needs in Switzerland will guide the development process toward the CH2018 scenarios. It ensures that the scenarios are presented and communicated in a user-oriented format and find a wide applicability across different sectors in Switzerland.

In the presentation we will show the full methodological setup to generate the CH2018 scenarios and how consistency across the methods and products is maximized. First results on mean changes and selected indices will be presented.

In terms of dissemination, the results of the user survey show the necessity to address all different user types of climate scenarios, especially the non-experts. Compared to CH2011, this implies a stronger focus on consulting, condensing complex information and providing tutorials. In the presentation, we will outline our plans on dissemination in order to adequately address all relevant user groups of CH2018.