Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Home Affairs FDHA
Federal Office of Meteorology and Climatology MeteoSwiss

MeteoSwiss

The new CH2018 Climate Scenarios for Switzerland

Value, limitations, future developments

Sven Kotlarski Andreas Fischer

Third generation of **Swiss reference climate scenarios (**released in November 2018)

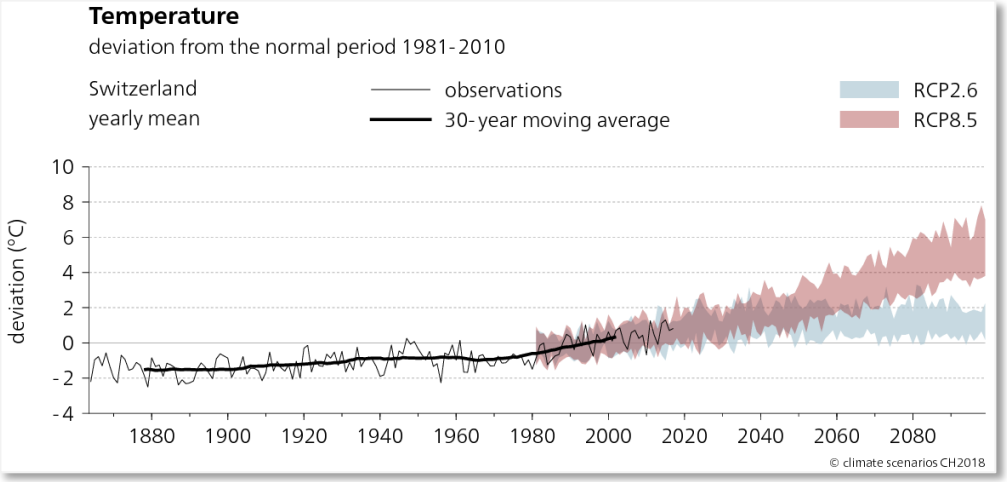
Joint effort under the umbrella of the National Centre for Climate Services (NCCS)

Based on **EURO-CORDEX RCM ensemble**

Downscaling and bias correction (Quantile Mapping)

Large range of **graphical and data products**

www.climate-scenarios.ch



Continued warming over Switzerland.

Mitigation could avoid ~2/3 of additional warming by end of the century.

Successful uptake by large range of user communities.

Several user needs so far **not explicitly covered!**

Dry summers

Heavy precipitation

Heat stress

Snow-scarce winters

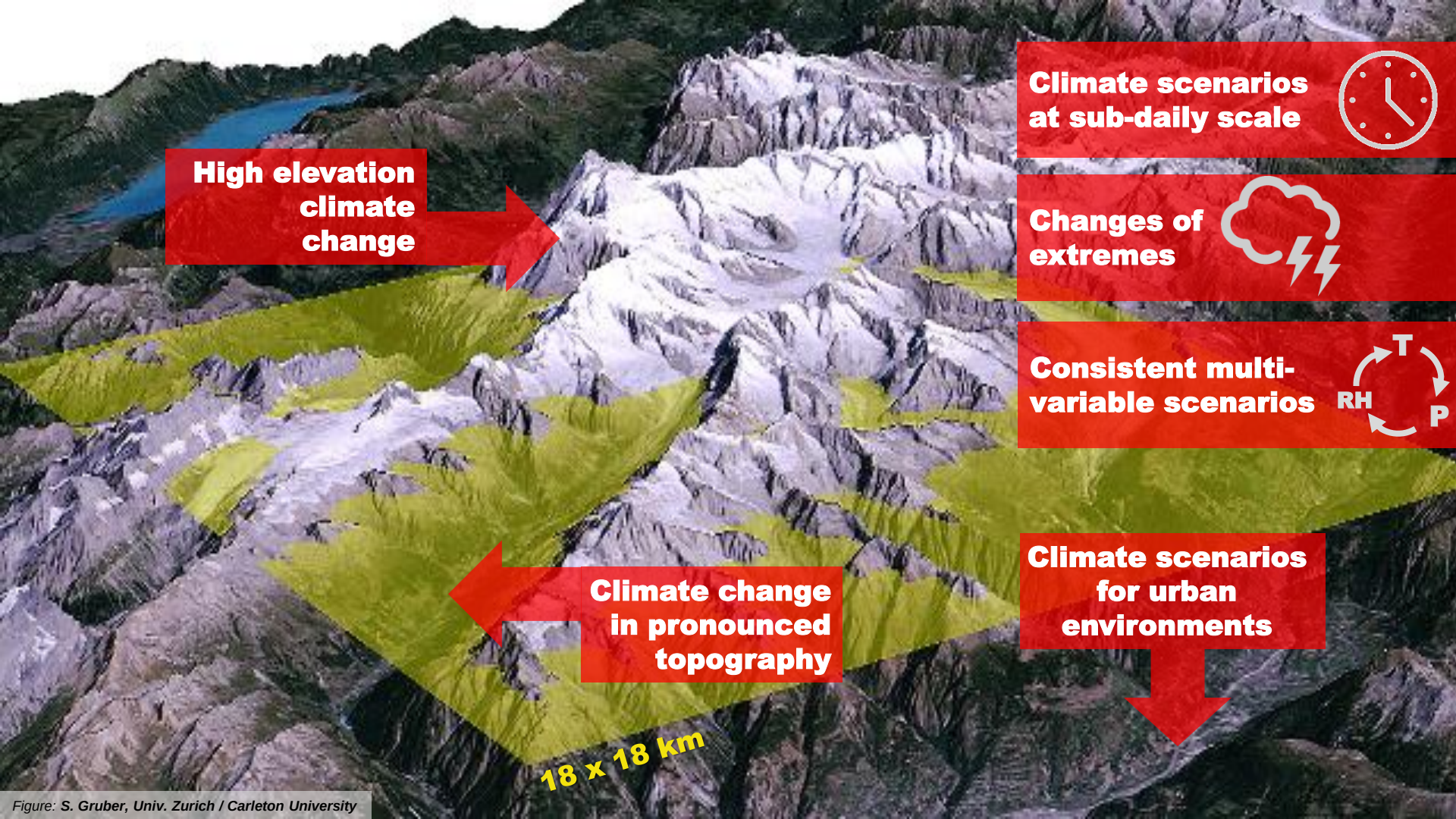
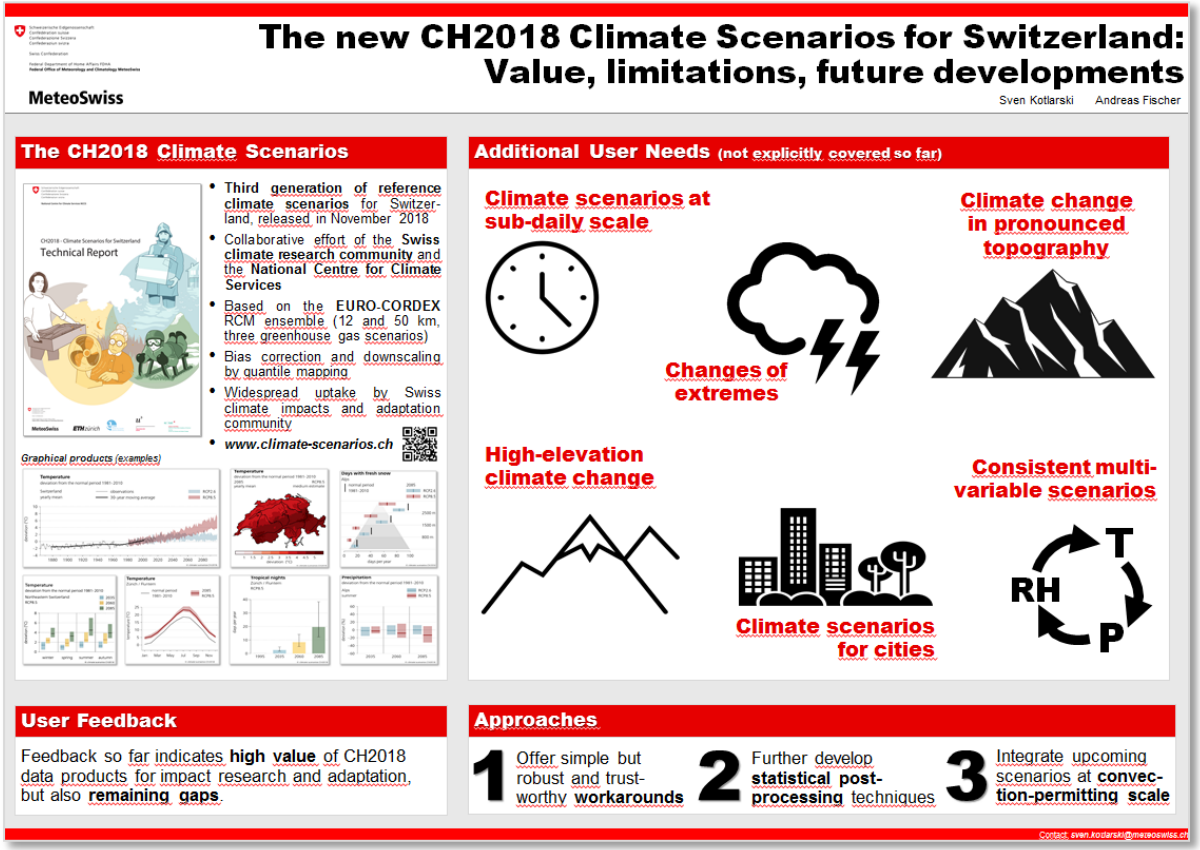


Figure: ***S. Gruber, Univ. Zurich / Carleton University***

Approaches and possible solutions

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