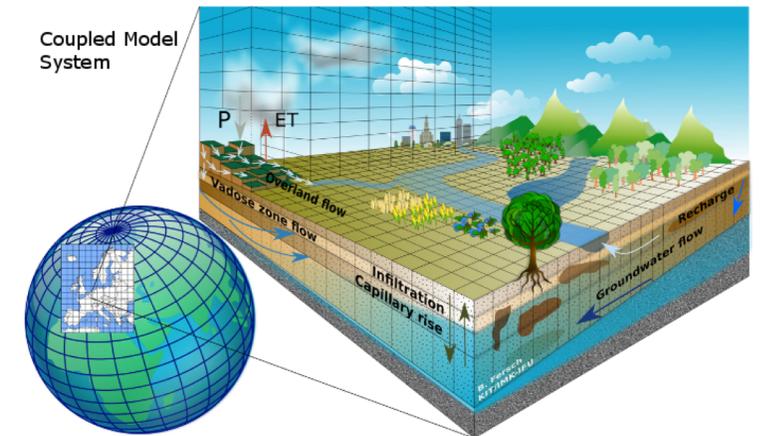


Klima- und hydrologische Erkenntnisse – was haben IPCC, ProClim und Hades gemeinsam?

Konrad Steffen, WSL, ETH-Z, EPFL

Der Klimawandel beeinflusst den gesamten Wasserkreislauf

- Veränderung der Abflussverhältnisse, Grundwasser
- Mehr Extremereignisse
- Rückzug der Gletscher
- Gewässertemperaturen und Ökologie
- Regionale und lokale Engpässe in der Wasserwirtschaft



IPCC 1988 - 2018



The Intergovernmental Panel on Climate Change was created in 1988.

Bert Rickard Johannes Bolin was a Swedish meteorologist who served as the first chairman of the IPCC, from 1988 to 1997.



The scientific evidence brought up by the first IPCC Assessment Report of 1990 underlined the importance of climate change.

At the end of 2007 the IPCC AR4 was awarded the Nobel Peace Prize.



The Fifth Assessment Report (AR5) was released in four parts between September 2013 and November 2014.

The Sixth Assessment Report is expected to be finalized in 2022

ProClim 1988 - 2018

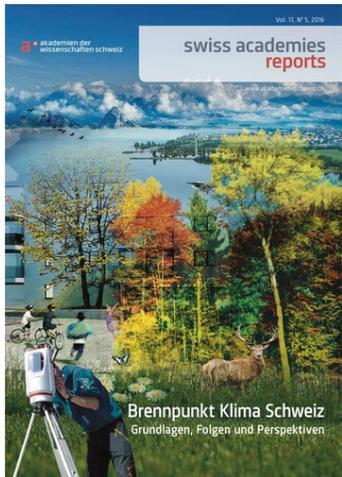


Kerry Kelts, first director of ProClim, Kerry first worked as a limnogeologist at the ETH and EAWAG, left 1991 to the University of Minnesota

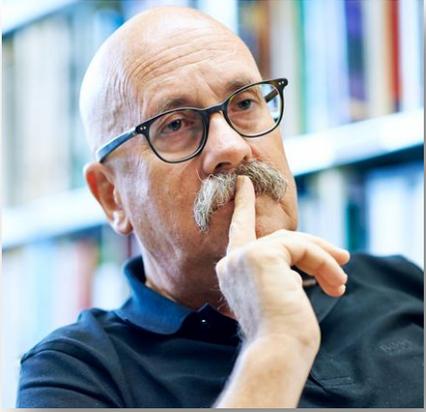
Proclim – a platform to communicate climate and global change

- to enhance knowledge exchange and networking within the scientific community
- to further integration of the Swiss research in international programmes
- to promote the dialogue with decision-makers in politics and business
- information of the public, the media and the economy
- consultation of politics and administration

20th Swiss Global Change Day, 7 Feb. 2019 – a success story



HADES 1988 - 2018



The Hydrological Atlas of Switzerland is a platform on the topic of water.

HADES was launched by the Swiss government in 1988 as a means of providing essential information for water conservation and management.

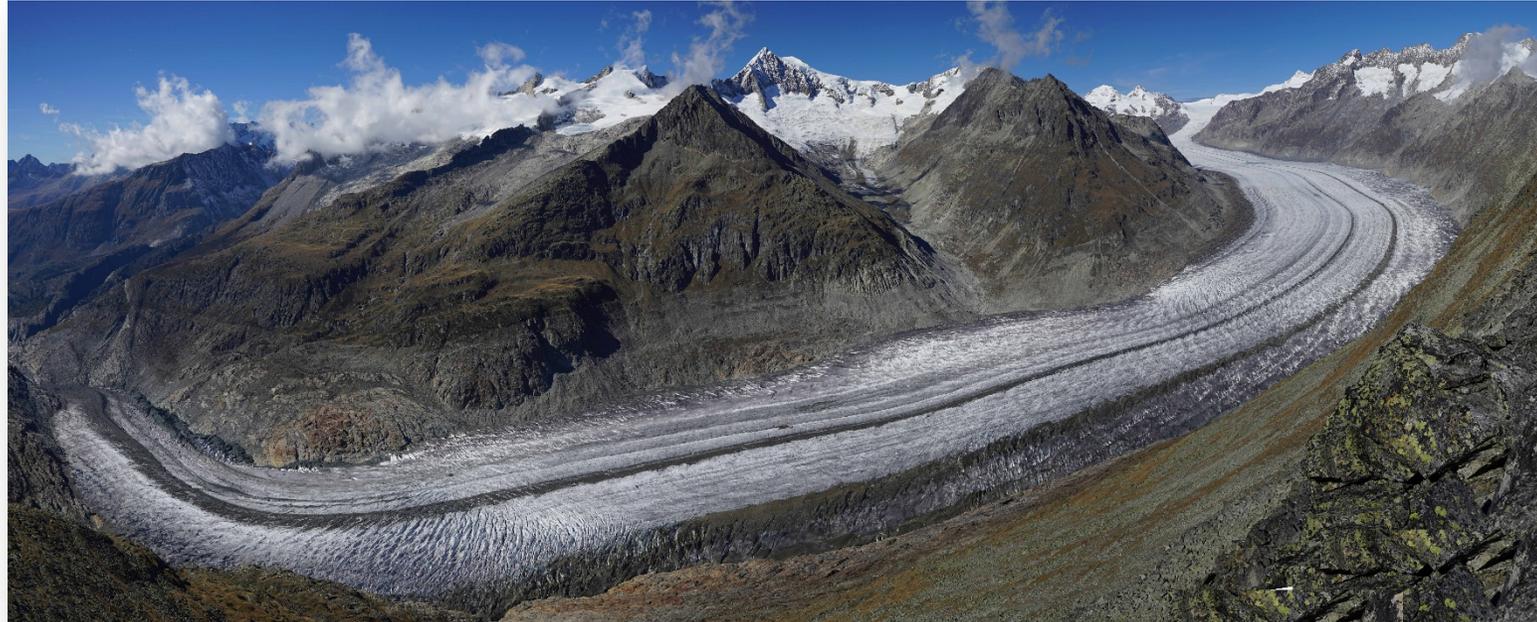
The original idea was first developed by MRI Chair Rolf Weingartner two years earlier as part of his PhD thesis – and he continues to lead the project three decades on.

First, classic cartographic techniques were used to develop hydrological maps, today digital maps and apps.

Due to Switzerland's mountainous topography – the Alps comprise roughly two thirds of the country's land mass, the atlas offers detailed insights into mountain hydrology

What do they have in common?

- Synthesizing climate science
- Communication with stake holders, governments, industries, ..
- Providing tools, maps, graphs, summaries, fact sheets, ..
- Coordinating science communities, workshops, white papers, ..
- Strategic planning, providing background information, ...
- Service to science communities,



Future expectations

- Continue good outreach
- Include more social and political science in the discussions
- Increase communication with non-specialists
- Encourage active participation of round-table discussions like today
- Continue to be an honest science broker for society





Thank you and HAPPY BIRTHDAY

