

# The CH2011 initiative

## Updating, developing and disseminating new Swiss Climate Scenarios

C. Appenzeller (MeteoSwiss), C. Schär (ETH), R. Knutti (ETH), I. Bey (C2SM),  
J. Fuhrer (ART), C. Kull (OcCC), M. Croci-Maspoli (MeteoSwiss)

T. Bosshard, T. Corti, A. Fischer, E. Fischer, S. Kotlarski, A. Kress,  
M. Liniger, A. Lustenberger, S. Scherrer, A. Weigel

OcCC Symposium “Die Anpassungsstrategie der Schweiz” 26 November 2010



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



Organe consultatif sur les changements climatiques  
Beratendes Organ für Fragen der Klimaänderung



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement des Innern EDI  
Bundesamt für Meteorologie und Klimatologie  
MeteoSchweiz



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Volkswirtschafts-  
departement EVD  
Forschungsanstalt  
Agroscope Reckenholz-Tänikon ART



NCCR CLIMATE  
Swiss Climate Research

# Goal of CH2011 initiative

## Goal

- To provide end-users with a comprehensive overview about the current status of Swiss Climate scenarios

## Background

- initiated by discussions within C2SM
- should include new scientific developments (AR4, ENSEMBLES)
- input of impact community collected at C2SM scenario workshop (March 2010)

## Funding

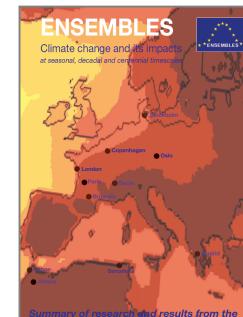
- mostly funded by in-kind contributions, and some C2SM and NCCR-Climate funding
- underlying research funded by NCCR-Climate, EU FP6, and other contributions

## Deliverables

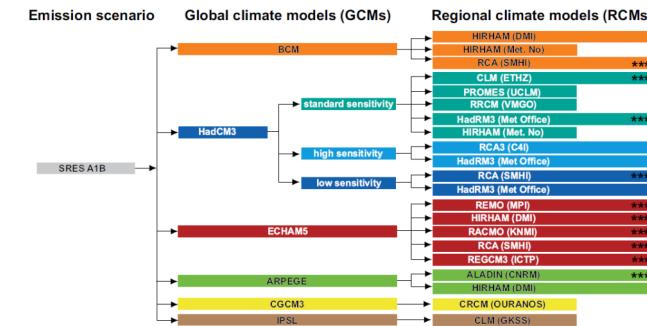
- Report
- Data dissemination via C2SM webpage

# Update of Climate Change Scenarios CH2011

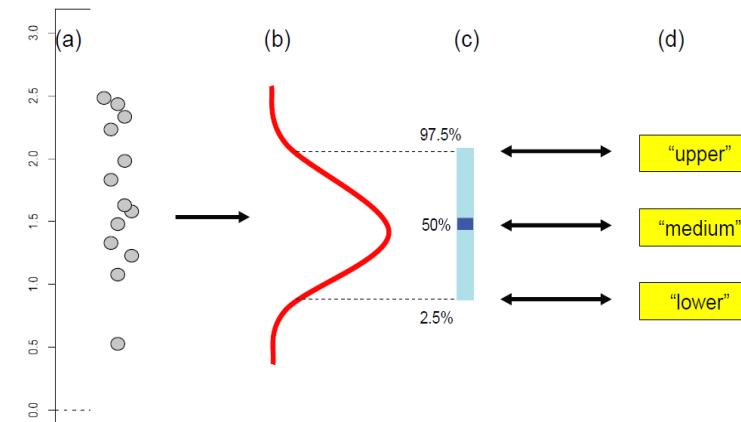
- 1.) Includes a **new** set of more than 20 model simulations over Europe



Final Report (2009)

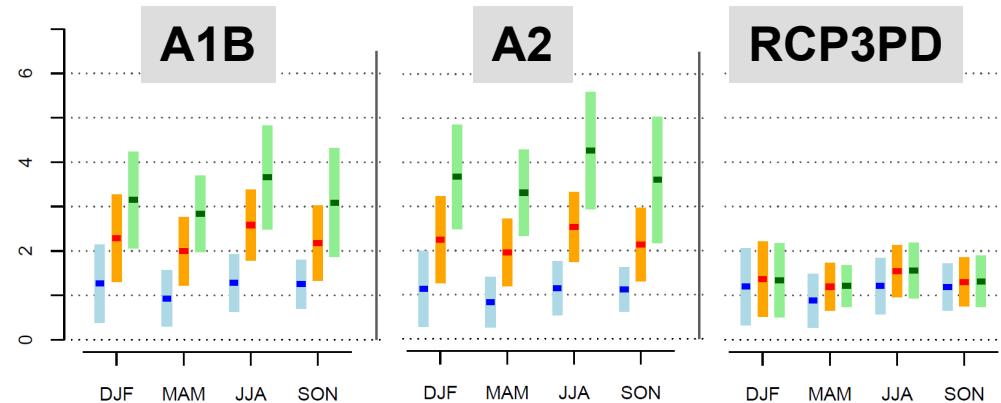


- 2.) Includes a **novel approach** (Buser et al.) for probabilistic information of changes in **seasonal mean**  
(Weigel, Fischer)

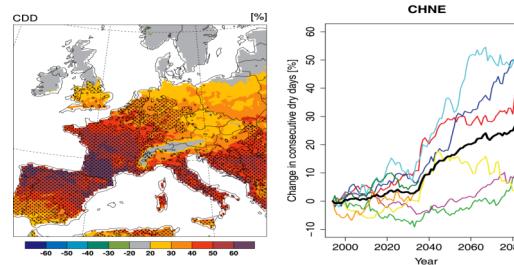


# Update of Climate Change Scenarios CH2011

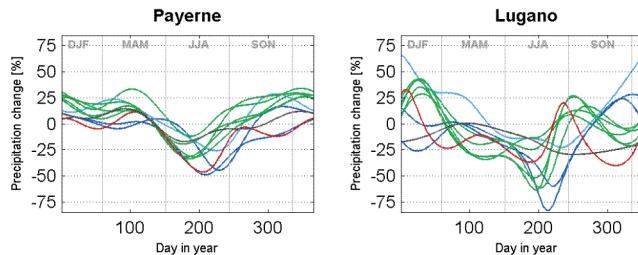
- 3.) Includes different emission scenarios  
(Knutti, Lustenberger, Fischer, Weigel)  
and inter-comparisons  
(Scherrer, Kress, Croci-Maspoli)



- 4.) Includes information on extremes  
(Fischer & Knutti)



- 5.) Includes daily climate scenario data  
(Schär, Kotlarski, Bosshard, Corti, Weigel)



# The CH2011 webpages & data access

The screenshot shows the homepage of the Swiss Federal Institute of Technology Zurich (ETH) and the Swiss Federal Office for Meteorology and Climatology MeteoSwitzerland. The top navigation bar includes links for French, Italian, English, and German versions, along with links for 'Über uns' (About us), 'Shop', and search functions. The main menu features categories like 'Wetter' (Weather), 'Aktuelles' (Current), 'Klima' (Climate), 'Services', 'Forschung' (Research), and 'Gefahren' (Hazards). A prominent banner for 'Schweizer Klimaszenarien CH2011' is displayed, featuring a green background and white text. Below the banner, a sidebar provides links to climate-related information such as 'Übersicht: Klima', 'Klima Schweiz', 'Klima heute', 'Klima morgen', and 'Wochenklimaausblick'. To the right, there is a section titled 'Workshop' with text about the Center for Climate Systems Modeling (C2SM) and a thumbnail image of a weather map.

The screenshot shows the homepage of the Center for Climate Systems Modeling (C2SM). The header includes the ETH logo and the text 'Eidgenössische Technische Hochschule Zürich' and 'Swiss Federal Institute of Technology Zurich'. The main navigation bar offers links to 'News & Events', 'About us', 'People', 'Research', 'Model development', 'Data services', 'Open positions', and 'Intranet'. Below the header, a sub-navigation bar lists 'ETH Zurich - D-UWIS - Center for Climate Systems Modeling (C2SM) - Services - Swiss Climate Scenarios CH2011'. The main content area features a section titled 'Swiss Climate Scenarios CH2011' with a welcome message and a list of project members. On the left, a 'Services' sidebar mentions the 'First milestone - Climate Change Scenario Workshop'. On the right, a 'Newsletter' sidebar provides a form for subscribing to the C2SM newsletter, including fields for 'c2sm.newsletter' and 'First name'.



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

MeteoSwiss



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Agroscope



C2SM  
Center for Climate  
Systems Modeling



Organe consultatif sur les changements climatiques  
Beratendes Organ für Fragen der Klimaänderung



NCCR CLIMATE  
Swiss Climate Research