



Schweizerische Eidgenossenschaft
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Swiss Confederation

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

European approach on climate change scenarios

ECA meeting, 19.6.2008

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Head Climate Services

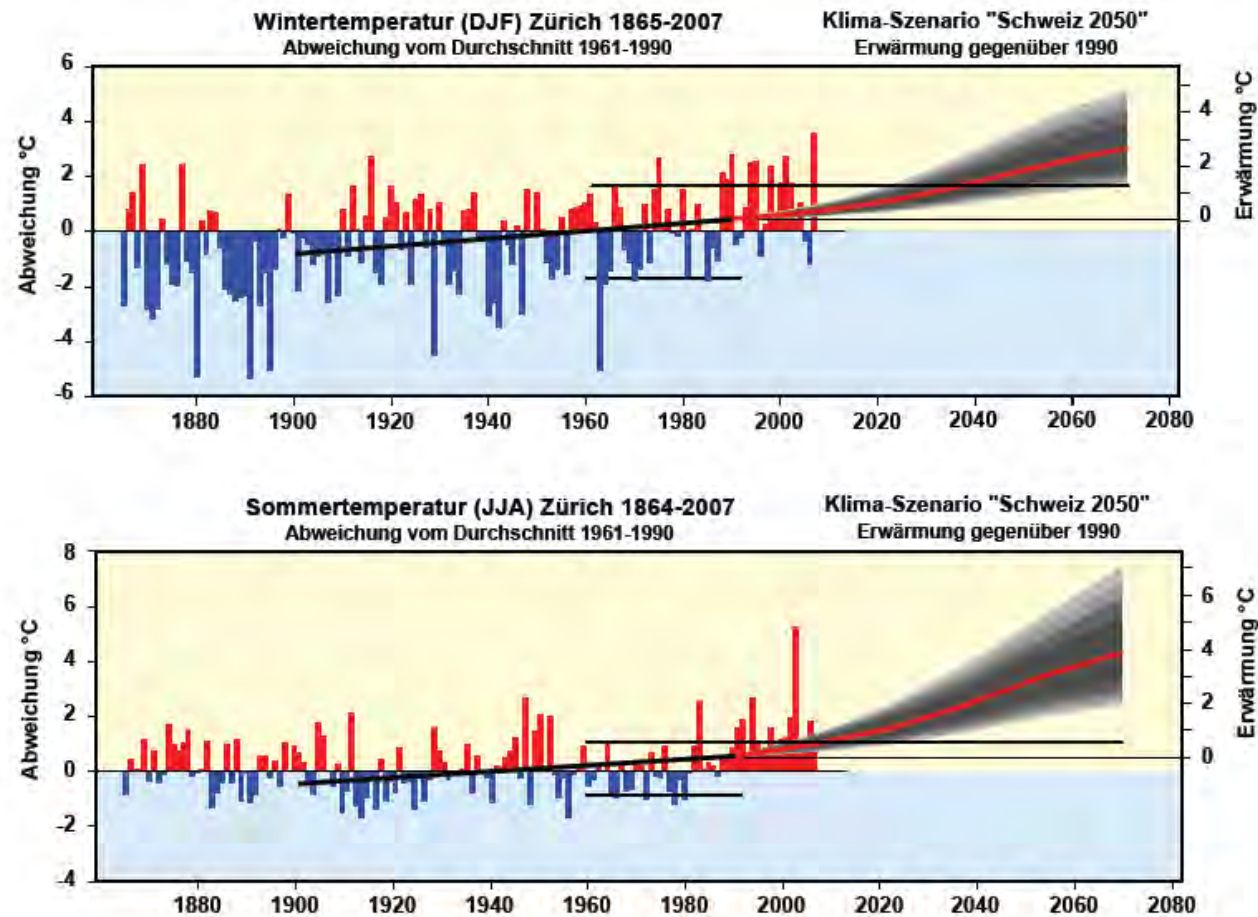
Swiss Federal Office of Climatology and Meteorology

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National climate change scenario

an example Switzerland



Quelle: MeteoSchweiz



First results survey on Met-Services & national CC scenarios

- Results form the ECSN questionnaire on the role of Met-Services & national climate change scenarios:
 - 9 members provided links to their activity
 - Involvement varies form Met-Service to Met-Service and includes other governmental organisations
 - 3 European projects ENSEMBLES, STARDEX and PRUDENCE have been and still are (ENSMEBLES) involved in developing European Scenarios.
- You are welcome to brows the page http://www.eumetnet.eu.org/ECSN_home.htm
- http://www.meteoschweiz.admin.ch/web/de/klima/klimaaenderung/klimaszenario_schweiz_2050.Par.0007.DownloadFile.tmp/ecsregionalclimatescenarios.pdf

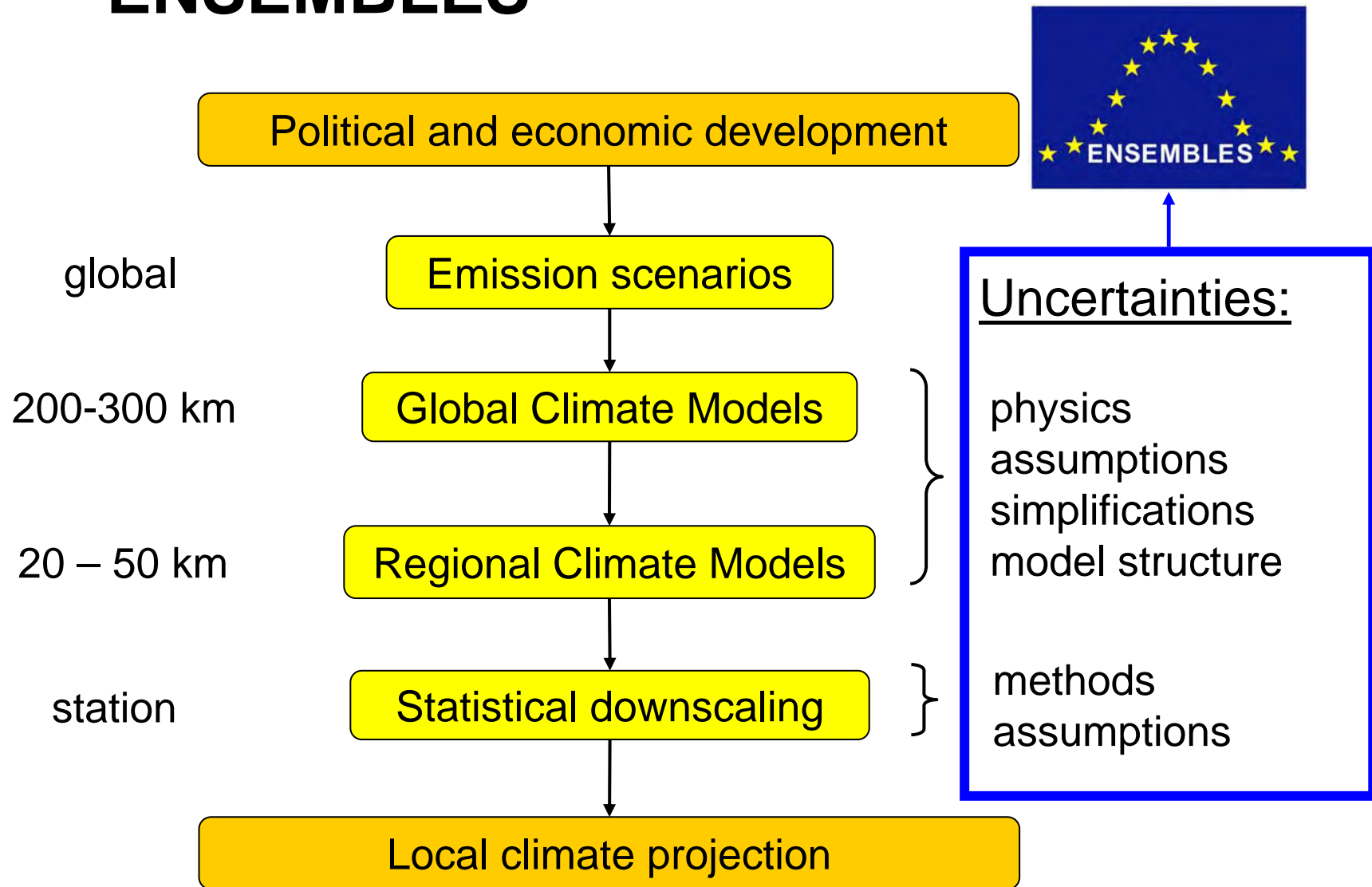


ENSEMBLES

- Currently key activities in developing European climate change scenarios are coordinated in the EU F6 Project ENSEMBLES
- Information and a Newsletter can be found on the home page <http://ensembles-eu.metoffice.com/index.html>
- Data from the ENSEMBLES multi-model simulations are expected to be available at the end of the year and will provide a base for many national activities
- Results from ENSEMBLES activities will be presented at the up-coming EMS/ECAC conference.



ENSEMBLES





ENSEMBLES multi-model approach

6 Global Climate Models (GCMs)
12 Regional Climate Models (RCMs) }

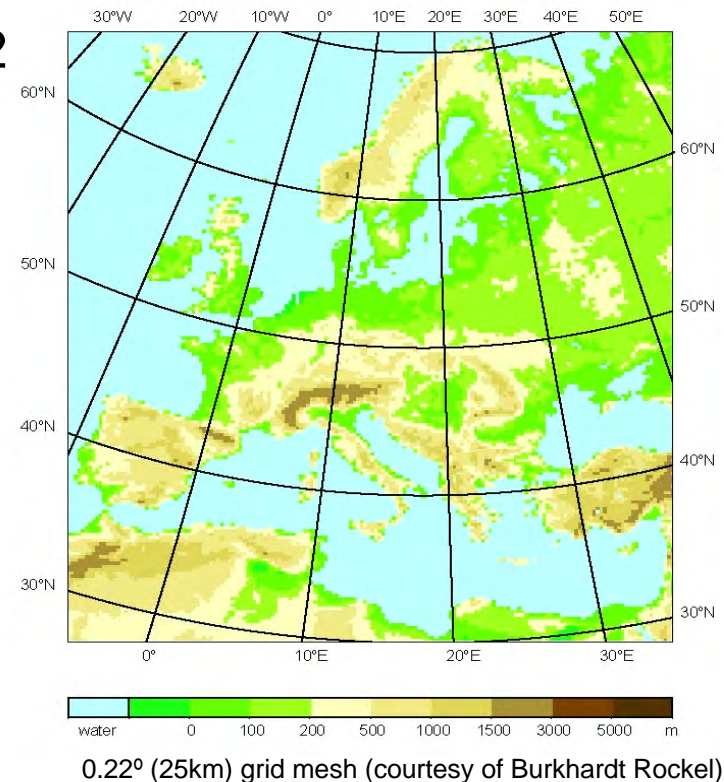
17 model chains

GCMs: 3 IPCC scenarios B1, A1B, A2
RCMs: 1 IPCC scenario (A1B)

Same domain/grid for all model runs
Resolution 50 and 25 km

Simulations 1950-2001
→ now available

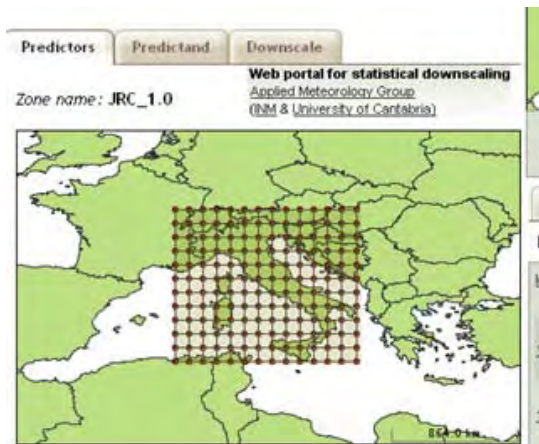
Simulations until 2050
→ available by end of the year





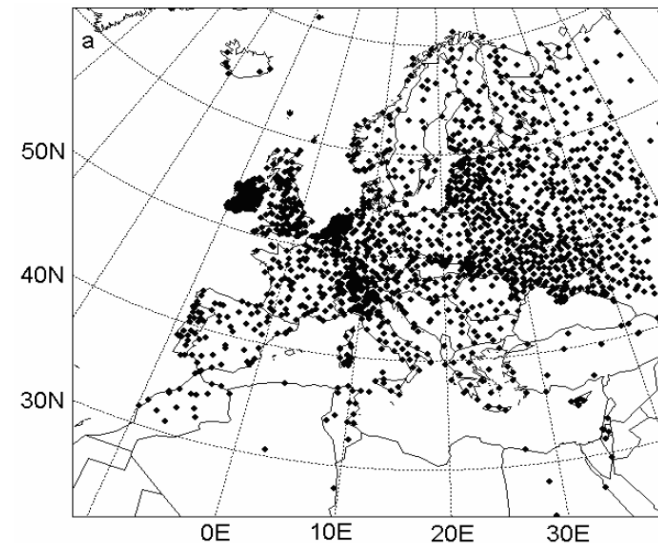
Further ENSEMBLES products

Online-portal for
statistical downscaling
with different methods



<http://grupos.unican.es/ai/meteo/ensembles/index.html>

High resolution gridded data-set
of daily observations for Europe
**available for non-commercial
use for free**



<http://eca.knmi.nl/>
<http://eca.knmi.nl/download/ensembles/ensembles.php>