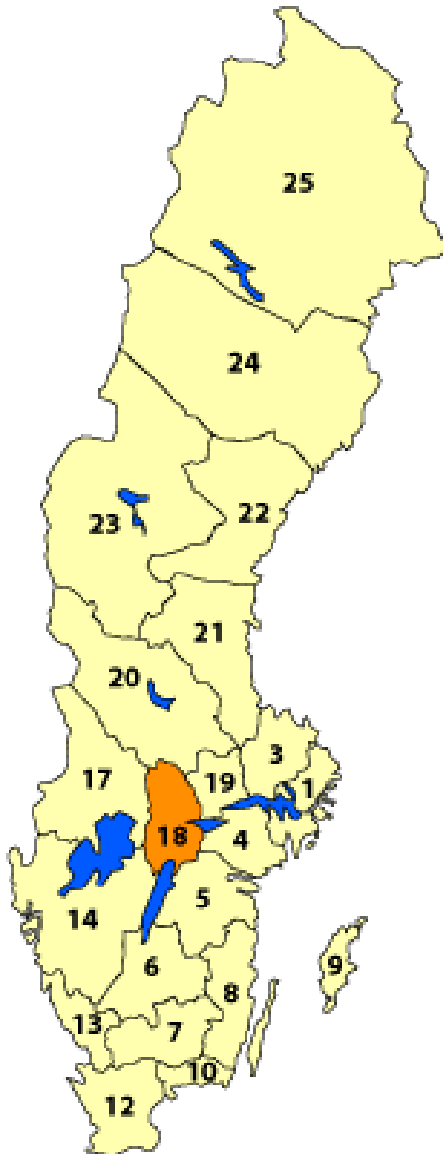


Carin Nilsson and Erik Engström 2011-05-31
Hamburg, Germany

Creating and maintaining dialogue on climate information

Reflections on the adaptation process in Sweden



A coordinated climate and energy policy

En sammanhållen klimat- och energipolitik
2008/09:162



- The county administrative boards were appointed to coordinate the adaptation to climate change in Sweden, 25 million Skr per year, 2009-2011
- SMHI 2 million Skr per year, 2010-2012



The County Administrative Boards

What are their needs?

What do they know about climate change and adaptation?

What role do we want to have?

How can we assist in a constructive way?

What do we need to know about our endusers?



Autumn 2008

Tour around in Sweden with visits at each County Administrative Board

Talks on climate change and adaptation

Seminars 2009, 2010 and 2011

Invited the County Administrative Boards and the National Authorities

Formed the seminars in dialogue with the regional coordinator of adaptation

Informal meetings with each new coordinator



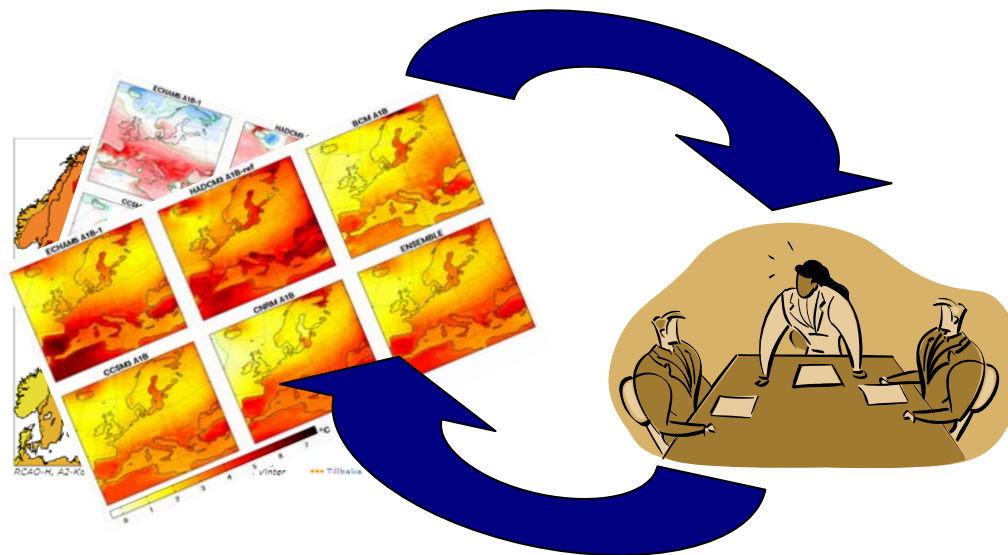
Change in need of support and information

- 2008 Education on climate change
High quality data, extreme weather warnings,
Support in mapping vulnerable areas, analysing risks, sea level

- 2010 Shift to more specific topics – How does climate models work?
Coordinated efforts for adaptation, water quality, planning, health

- 2011 Education in climate change, impact, vulnerability and adaptation
SMHI reference group on climate information products

From science to decisions



Creating and maintaining dialogue

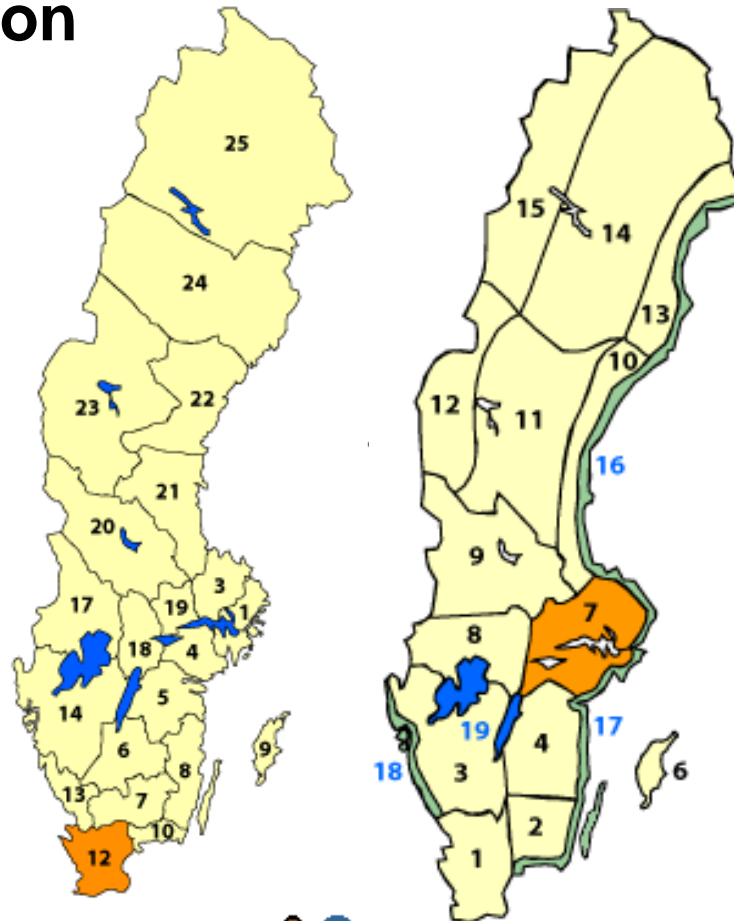
- Talks and seminars
- Proof reading of texts
- Reference group

- Cooperation with other national authorities
- Daily/weekly/monthly personal interaction

Climate Information smhi.se

Graphs per county

Graphs per larger regions



Klicka på ett län i kartan för att se klimatdata från detta.



Mer information

- ▶ Allmänt om klimatet
- ▶ Om analysen - A2 och B2
- ▶ Om utsläppsscenarierna A2, B2 och A1B

enskilda år (beräknat från scenarierna).

[Den normala årsmedeltemperaturen för Sverige](#)

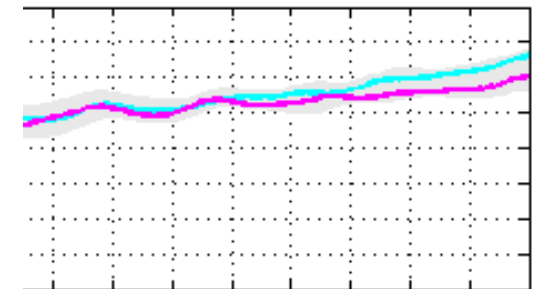
Hämta sammanställning av observationsdata och klimatindex för Skåne län.

[Länk till pdf-dokument](#)

Hämta historiska data

[Hela året](#) [vinter](#) [vår](#) [sommar](#) [höst](#)

[mar, höst]



2020 2030 2040 2050 2060 2070 2080 2090 2100

år

avvikelse från den normala, 1961-1990

(Årsmedeltemperaturen för åren 1961-2100

nedvärdet för 1961-1990). Staplarna visar

tagna från observationer, röda staplar visar

normala och blå staplar temperaturer lägre

är löpande 10-årsmedelvärden från scenarierna

ändringen i årsmedeltemperaturen för

den turkosa kurvan motsvarande för

ett fältet beskriver variationen i temperatur m

Climate Information smhi.se

Graphs per county

Graphs per larger regions

Scenarios: A2, B2, A1B

Historical values

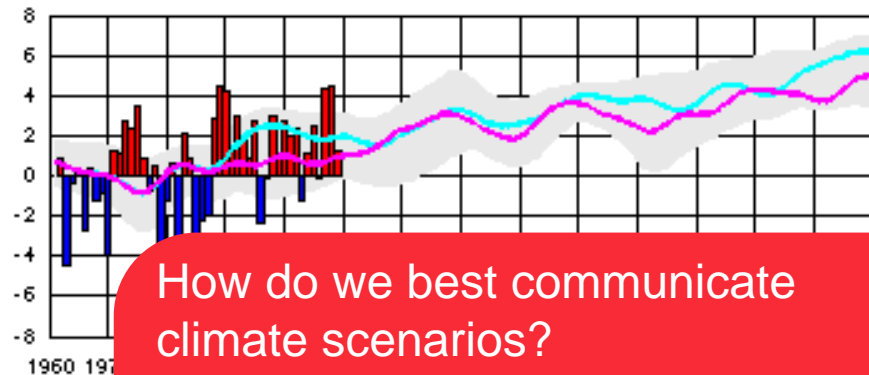
Singel model run

Ensemble of 9 model runs

Yearly, seasonally

Indices – growing season,
snowcover etc

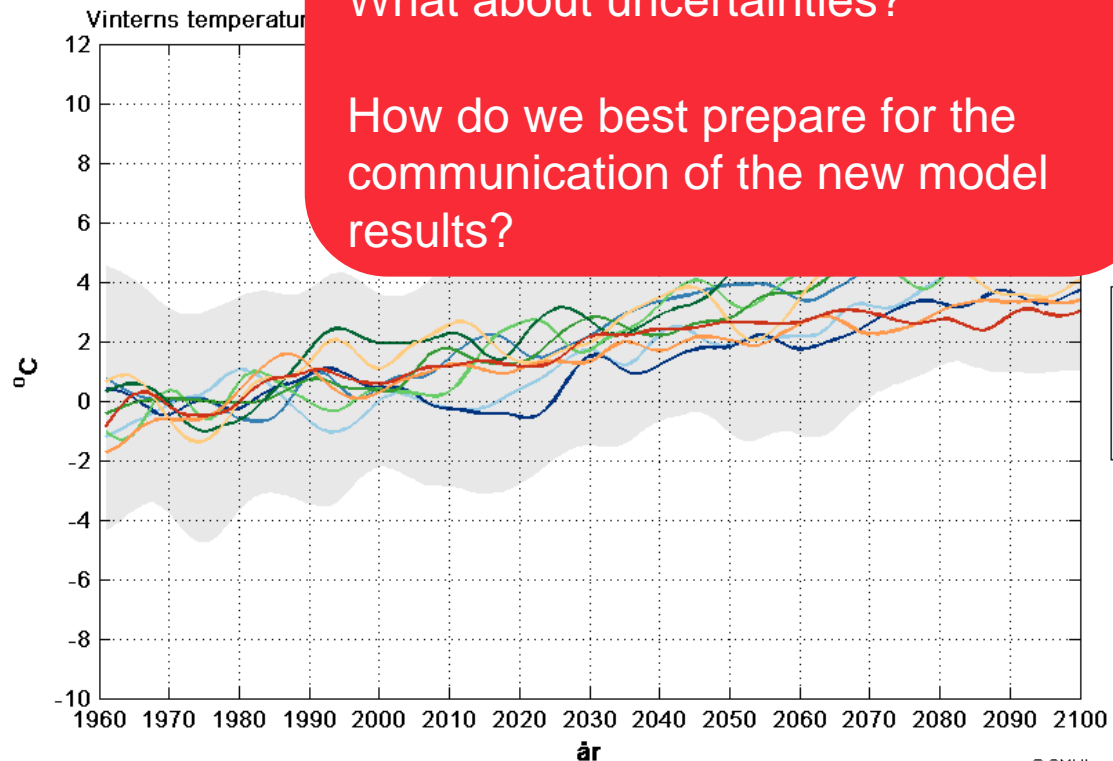
Data to download



How do we best communicate
climate scenarios?

What about uncertainties?

How do we best prepare for the
communication of the new model
results?



Other actors/networks

Klimatanpassningsportalen

[Start](#) [Klimatet förändras](#) [Så påverkas samhället](#) [Roller och ansvar](#) [Verktyg](#) [Om portalen](#) [Kontakt](#)

Klimatanpassningsportalen ska vara ett stöd för dig som arbetar med att anpassa samhället till klimatförändringarna i en kommun eller på en länsstyrelse.

AKTUELLT

27 maj 2011

Mälarkonferens arrangeras i höst

Den 23 augusti arrangerar länsstyrelserna runt Mälaren en konferens för att informera om och diskutera viktiga frågor rörande Sveriges tredje största sjö.

[Mälarkonferens arrangeras i höst](#)

26 maj 2011

Seminarium om klimatförändringar och människors hälsa

Den 10 juni kommer direkta och indirekta hälsoeffekter till följd av klimatförändringar att analyseras och diskuteras i Ulmeå. Möjligheter till klimatanpassning inom området



Energimyndigheten



Myndigheten för samhällsskydd och beredskap

LANTMÄTERIET



Verktyg för klimatanpassning

Verktyg för dig som arbetar med klimatanpassning i kommun eller

www.klimatanpassning.se

Coordination of adaptation in Sweden

Inventory:

- 31 st National authorities
- 74 activities were found
- 8 networks

Conclusions:

- Definitions of words are important
- adaptation
 - vulnerability
 - mitigation
 - sustainable development
 - disaster risk reduction
 - sensitivity
 - exposure
 - risk
 - uncertainty
 - climate scenario ...



**NATIONELL
PLATTFORM**
för arbete med naturolyckor



Communicating Uncertainties

workshop in Stockholm November 2011



CIRCLE 2

CLIMATE IMPACT RESEARCH
& RESPONSE COORDINATION
FOR A LARGER EUROPE
EUFP7 ERA-NET



CIRCLE 2 Policy Brief

- COMMUNICATE UNCERTAINTIES

Design climate adaptation measures
to be flexible and robust

Summary

This policy brief is directed towards funders and managers of climate change impacts and

CIRCLE 2 Climate Adaptation INFOBASE

Last update: 2011-01-27

This site is optimized for the latest versions of the major browsers (Chrome 9.x, Internet Explorer 8.0 - Firefox 3.6.x, Safari 5.x).

Search tip:

- Free text will search words in ALL fields of the project.

CIRCLE-2 ERA Net maintains an on-line searchable InfoBase on Climate Adaptation projects in Europe.

It includes projects funded by CIRCLE-2 and at National or local level since 2005.

If you are aware of any Climate Adaptation project in your country or in Europe that is not yet included in this InfoBase, please insert yourself the new record. Updates to an already included project are possible in the project detail page.

In case you have any difficulty in inserting yourself a project, please contact the CIRCLE-2 Coordination team.

Search projects by:

Sweden | Start year | End year | Free text search

Search on:

National projects
 CIRCLE-2 projects

Members

FCT
Funding from a Climate & Technology

This project is supported by the European Commission under the Environment (including climate change) Theme of the 7th Framework Programme for Research and Technological Development

W3: WAI-AAA MCAG 1.0

Reflections on the dialogue

The county administrative boards have their own informal network
Working together with the other networks on adaptation

Prerequisites

- Small country
- Easy to make quick decisions
- Support from head of each county
- Cooperation with industry
to some extent



Reflections on the dialogue

Improvements concern...

- Internal dialogue
- Vulnerable network - depends on key persons
- Hard to keep up with external demands
- Good cooperation between SGI and SMHI – could include more authorities

Reflections on the dialogue

Challenges – Adaptation

Does Sweden have a national strategy for adaptation or not?

Challenges – Dialogue

- Financial support of coordinators until end of 2011, maybe 2012 – change of contact persons?
- Development of www.klimatanpassning.se
- Communicating new climate scenarios
- New large target group – the local planners

Thank you!

Carin.Nilsson@smhi.se
Erik.Engström@smhi.se

