

# Comparing the setup of web based instruments within European union: an overview of the CCCRP June 200 workshop

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## 1. Basic facts about CCCRP project

- CCCRP produces a continuously improving climate change information service that assists the society to mitigate and adapt to climate change – boundary service
- Joint effort of
  - Finnish Meteorological Institute (FMI),
  - Finnish Environment Institute (SYKE), and
  - Centre for Urban and Regional Studies at the Helsinki University of Technology (TKK/YTK)
- one million euro support from EU Life+ funds for three years 2009-2011 (LIFE07 INF/FIN/000152 CCCRP)

## 2. Progress so far

- user need survey
- networking with stakeholders: end users and other data and service providers
- benchmarking
  - Workshop on web tools for climate change communication, June 2009, Helsinki
- concept planning

### 3. Concept/scope of the portal

- CCCRP collects research based climate change information and organises it within one portal to a user friendly service. It covers all aspects of climate change: climate, impacts, adaptation and mitigation.
- A pool of ca. 300 web articles introduces these aspects.
- Various other information types complement the text articles
  - definitions, animations, interactive learning tools, case studies, emission calculators, videos, webinars, database of rules and regulations, research reports, summaries of scientific articles.
- Success in the knowledge market?

### 3. Concept/scope of the portal

- Four different types of climate change related data will be visualized and made downloadable via one user interface.
  1. climate observations,
  2. climate projections,
  3. observations of climate change impacts as well as
  4. modelled impacts
  
- Data exchange interfaces are being designed to comply with INSPIRE standards in order to facilitate incorporation and usage of different data sources from different data providers



### 3. Concept/scope of the portal

- The portal makes use of risk framework and integrated environmental management system approaches
- databases for best practices as well as climate strategies and action plans, check-lists and wiki will be utilized
- The portal does not replace live dialogue between experts and stakeholders, but facilitates it.

## 4. Comparing the set up of web based instruments

- Canada, The Canadian Climate Change Scenarios Network (CCCSN), <http://www.cccsn.ca/>
- Norway, adaptation: Climate Adaptation Norway, <http://www.klimatilpasning.no/> and climate data; <http://www.met.no>, <http://www.yr.no>, <http://www.eklima.no>, <http://senorge.no>
- Denmark, Danish web portal for climate change adaptation, <http://www.klimatilpasning.dk>
- United Kingdom, UK Climate Impacts Programme, <http://www.ukcip.org.uk>
- the Netherlands, KNMI Climate Scenarios, <http://www.knmi.nl/climatescenarios>
- All slides of the presentations of the workshop are available as pdfs and most presentations as audio/video recordings through the CCCRP project web page: <http://www.fmi.fi/cccrp>





# Environment Canada

www.ec.gc.ca

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## Canadian Climate Change Scenarios Network - National Node



EC - GC

### CANADIAN CLIMATE CHANGE SCENARIOS NETWORK (CCCSN)

[Network/Regional Sites](#)
[Download Data](#)
[Scenarios](#)
[Downscaling Tools](#)
[Publications](#)
[Links](#)

Welcome to the Canadian Climate Change Scenarios Network (CCCSN). The CCCSN is Environment Canada's updated interface for distributing climate change scenarios and adaptation research.

The goals of CCCSN are:

- Support climate change impact and adaptation research in Canada and other countries;
- Support stakeholders requiring scenario information for decision making and policy development;
- Provide access to the work of AIRD, an Environment Canada research group under the auspices of the Atmospheric Science and Technology Directorate; and
- Provide access to Canadian research on the development of scenarios and adaptation research.

Climate change scenarios are provided from numerous international research centres, in support of the Intergovernmental Panel for Climate Change (IPCC) assessments. Results from the second (SAR), third (TAR), and fourth (AR4) assessments are available. The CCCSN also offers limited output from the Canadian Regional Climate Model (CRCM), with access to different tools



TEKNILLINEN KORKEAKOULU



S Y K E



met.no

http://met.no/

Meteorologisk institutt met.no

METEOROLOGI HAV KLIMA LUFTFORURENSNING FORSKNING NYHETER

09.06.2009  
Kan mai være varmere enn juni?  
At mai er varmere enn juni forekommer, men er naturligvis ikke en årviss hendelse. Sannsdalsøra ligger foreløpig bedre an i mai enn i juni.  
**Les mer**

09.06.2009  
Kan april være varmere enn mai?

VÆRVARSEL NESTE DØGN

Vis på kartet:

- Temperatur
- Værsymboler
- Stedsnavn

Vis i tillegg:

- Ingen informasjon
- Nærher

yr.no - Været for Norge og...

http://www.yr.no/

Søk blant 7 millioner værvarsel i Norge og heile verda:

VÆRSØK

Skriv stadnamn, f.eks. Stavanger, Røst eller Beijing. Avansert søk.

Mine steder

Mine steder	Onsdag	Torsdag	Fredag
<b>Norge</b>			
Østlandet			
Sørlandet			
Vestlandet			
Trøndelag			
Nord-Norge			
Hav og olje			
Polarområdene			
Tekstvarsel			
Podkast			
Observasjoner			
Klima			
<b>Hessdalskjolen</b>	☀️ 11°	☁️ 10°	☁️ 8°
<b>Rasta skole</b>	☁️ 13°	☀️ 10°	☁️ 13°

Sist besøkt	Onsdag	Torsdag	Fredag
<b>Oslo</b>	☁️ 15°	☀️ 12°	☁️ 15°
<b>Stend</b>	☁️ 12°	☀️ 12°	☀️ 12°
<b>Bergen</b>	☁️ 12°	☀️ 12°	☀️ 12°

Andre steder

Andre steder	Onsdag	Torsdag	Fredag

eKlima - met.no

http://sharki.oslo.dnmi.no/portal/page?\_pageid=33,6979,33\_1493E

Norwegian Meteorological Institute met.no

**eKlima**

External access to climatedata from Norwegian Meteorological Institute.

Select language:

- English
- Bokmål
- Nynorsk

Welcome

**Welcome to eKlima**

Meteorological and climatological data from The Norwegian Meteorological Institute ([met.no](http://met.no)) can be accessed via the eKlima portal. Read more about [meteorological observations](#) and about the [data and their quality](#) (Norwegian only)

All users have full access to all digital data owned by the NMI, as well as data from several other station owners.

News

**NEW PRODUCT under Info tab: Observing stations in operation.** List of stations who observe certain weather elements. 10.02.09 Due to much traffic on eKlima, number of data in request have been limited.

**eKlima was upgraded 2 april** with more products and the possibility to select more languages. **Remember to change bookmarks to <http://eklima.met.no/>** The server 'shimmer' will not exist any longer. [Read more about the weather in](#)

See Norway's snow, weath...

http://senorge.no/mapPage.aspx

seNorge.no

Start page: Map page

Snow Weather Water Climate

Theme list

Select theme:

- Precipitation
  - Normal 1961-1990
  - Normal 1971-2000
  - % change to 2071-2100**
- Temperature
- Evaporation
- Snow amounts
- Snow depths
- Snow wetness
- Snow duration

Percent change in normal annual precipitation from 2071-2100





## MILJØVERNDEPARTEMENTET



Søk i Klimatilpasning Norge

Søk

Søk på hele regjeringen.no

Utskrift a a a Lytt til teksten

## Klimatilpasning Norge

Klimaet er i endring, og klimatilpasning er derfor nødvendig. Arbeidet med klimatilpasning involverer alle forvaltningsnivåer og de fleste samfunnssektorer. En utfordring i klimatilpasningsarbeid vil være å få bedre kunnskap gjennom forskning, kartlegging og praktisk erfaring. Klimatilpasning.no er en nettportal som samler denne kunnskapen.

[Les mer om Klimatilpasning Norge](#)

## Aktuelle saker

### [Veileder for klimatilpasning skal være klar sommeren 2010](#)

Klimatilpasning Norge arbeider nå med å utarbeide en veileder for klimatilpasning som skal være klar innen sommeren 2010.

Direktoratet for samfunnssikkerhet og beredskap (DSB),  
14.09.2009



### [Krevende framtid for mange sektorer](#)

Norsk landbruk kan forvente lengre vekstsesong og norsk skogbruk kan felle flere trær. Men et varmere klima kommer



### [Fagområder klimatilpasning](#)

- [Bygg og anlegg](#)
- [Næringsutvikling](#)
  - [Energi- og kraftforsyning](#)
  - [Fiskeri- og kystnæring](#)
  - [Jord- og skogbruk](#)
  - [Reindrift](#)
  - [Turisme](#)
- [Helse](#)
- [Natur, miljø og landskap](#)
- [Naturskade](#)
- [Transport og samferdsel](#)
- [Vann og sjø](#)

### [Fylker](#)

Velg ditt fylke 

Klikk på kartet for å velge ditt fylke:



Klimaændringerne har betydning for vores liv på mange områder. Denne portal indeholder viden om ændringerne og angiver hvordan vi kan handle for at tilpasse os ændringerne

## Borger

Er du klar til klimaændringerne?



## Kommune

Kommuner og klimaændringer



## Erhverv

Virksomheder og klimaændringer



Hvordan påvirker klimaændringerne dig som borger? Hvordan kan du tilpasse dig?



## Temperatur

Se kort over fremtidens temperaturer.



### Nyt om klimatilpasning

- > [Danmark år 2050: De tusinde søers land](#)
- > [Klimaændringer gør veje livsfarlige](#)
- > [Ny rapport om klima og natur](#)
- > [VUPTI, Strategisk partnerskab - Vand i byer](#)

> [Se alle](#)

### Klimaændringer

Klimaet bliver vådere, varmere og mere ekstremt. FN's klimapanel har lavet scenarier for klimaet.



- > [Læs om fremtidens klima](#)

### Seminar om klimatilpasning

Videncenter for Klimatilpasning afholdte d. 30. marts seminaret: "Tilpasning til fremtidens klima" med fokus på:

- Hvad er udfordringerne?
- Hvad skal vi vide?
- Hvordan skal vi kommunikere?

- > [Læs mere om seminaret](#)

### Eksempler på klimatilpasning

- > [Villakvarter klimatilpasset med flotte søer](#)
- > [Augustenborg: Et ta' selv bord af tilpasningsløsninger](#)
- > [Lommeparker og mere grønt i København](#)
- > [Landmand høster to gange på et år](#)

# The **climate** is changing – what's the **outlook** for you?



The UK Climate Impacts Programme (UKCIP) helps organisations to adapt to inevitable climate change. While it's essential to reduce future greenhouse gas emissions, the effects of past emissions will continue to be felt for decades.

Since 1997 UKCIP has been working with the public, private and voluntary sectors to assess how a changing climate will affect:

- construction
- working practices
- demand for goods and services
- biodiversity
- service delivery

## News headlines:

**Climate Digest**  
climate biodiversity  
gardens human activity

fish LCLIP enews chelsea

temperature rainfall

monarch UK Climate

Projecti the BRAIN  
ukcip02 West Midlands

temp UK Climate  
Projections UKCP09

trends wizard



[Home](#) > [climatescenarios](#)

## KNMI Climate Scenarios

### Climate scenarios for The Netherlands

01-07-2009

KNMI issues climate scenarios for the Netherlands as input for impactstudies and adaptation to climate change. This webpage gives access to all relevant KNMI scenario information.

- > [Scenario publication 2009](#)
- > [What are climate scenarios?](#)
- > [Current KNMI'06 scenarios](#)
- > [Previous and future generation scenarios](#)
- > [Additional and foreign scenarios](#)
- > [Suggestions for usage](#)
- > [Monitoring observed changes](#)
- > [Tailoring for application sectors](#)

#### Scenario publication 2009

On the 29th of July, KNMI has issued a new scenario publication entitled: "[Climate change in the Netherlands; supplements to the KNMI'06 scenarios](#)". In this publication we assess the implications of recent research results for the scenarios of 2006. Additional data are presented and the roadmap towards the next generation of climate scenarios for the Netherlands is outlined.

#### What are climate scenarios?

Climate scenarios are consistent and plausible pictures of possible future climates. They are intended for use in studies exploring the impacts of climate change, and to formulate possible adaptation strategies. Climate scenarios are not long-term weather forecasts: they are not concerned with predicting the weather on a certain day. Rather, they provide information on the characteristics of the average weather and the chance of weather extremes. (FAQs on scenarios)

#### KNMI Climate Scenarios

- > [Homepage](#)
- > [Current KNMI'06 scenarios...](#)
- > [Previous generation scenarios...](#)
- > [Future generation scenarios...](#)
- > [Additional and foreign scenarios...](#)
- > [Suggestions for usage](#)
- > [FAQs on scenarios...](#)

#### More climate data and services

- > [Monitoring observed changes...](#)
- > [Tailoring for application sectors](#)

#### Further reading / download

- > [Scenario publication 2009](#)
- > [Brochure KNMI'06 scenarios](#)
- > [Scientific report KNMI'06 scenarios](#)
- > [All scenario publications](#)

#### Contact us

- > [Climate services desk](#)



# Ilmastonmuutosportaali

Luotettavaa ja luettavaa ilmastonmuutostietoa sekä työkaluja kuntatason hiilintä- ja sopeutumistoimien suunnitteluun.

[På svenska >>](#)  
[In English >>](#)

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[Tutkimusportit](#) | [Tiedotteet](#) | [Oppimateriaalit](#)

Ilmastohaku

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- Blogit
- Keskustelu
- Tietoa portaalista

- Oikopolut
- ▶ Hillitse & sopeudu/  
Kunta-apuri
- ▶ Karttatyökalu
- ▶ Muut työkalut
- ▶ Kuntien sivut
- ▶ Vinkkejä portaalien käyttöön
- ▶ Sisältöjanne portaalien?

Mitä teillä näyttää vuonna 2090?



Tutustu ilmastonmuutoksen vaikutuksiin kuntatasolla.

Joko kunnallanne on ilmastostrategia?



[Etusivu >](#)

Ilmastonmuutosportaalien avulla

Ymmärrät ilmastonmuutosta ilmiönä, jolla on vaikutuksia, mutta johon voi myös vaikuttaa



[Ymmärrä](#) | [Perheydy](#) | [Suunnittele](#) | [Toimi](#) | [Verkostoidu](#)

## Ilmastonmuutostietoa joka kantiilta

- Tässä on lyhyt hiilintään liittyvä nostoteksti
- Tässä on lyhyt vaikutuksiin liittyvä nostoteksti
- Tässä on lyhyt ilmiöaiheen nostoteksti
- Tässä on lyhyt karttatyökalujen nostoteksti

## Hillinnän parhaat käytännöt



Energiatodellisuus

Nämä ja muut parhaat käytännöt löydät myös kätevästi [käytännönpankkimme](#) kautta.

## Me toimimme hillinnän ja sopeutumisen saralla

- Espoo 250 000 asukasta
- Lautamies Nina Ketola, Rovaniemi
- Kouvolaa 90 000 asukasta
- Kaavoittaja Teppo Tulo, Mäntsälä

## Ilmastonmuutos kartalla, kuvaajina ja kuvissa

- Tässä on lyhyt kuvaajien promo
- Tässä on karttadatan promo
- Tässä on lyhyt
- Tässä on lyhyt

## Ajankohtaisia aiheita

- Hiilinielut
- Auringon aktiivisuus
- Kööpenhaminan kokous

## Tiedotteita

- 12.6.2009  
VVM: Kunnille lisää rahaa sopeutumishankkeisiin. [Lue lisää](#)
- 12.6.2009  
SYKE: Vaikutuksista uusi kansallinen tutkimusohjelma. [Lue lisää](#)
- [Lisää tiedotteita](#)

## Luetuimmat aiheet

climate energy saving  
nuclear energy  
carbon dioxide GHG  
impacts future climate  
models CO2  
scenarios  
Helsinki floods

## Lessons learned from UK mitigation tools

Local authorities and decision makers need tools which:

- Are FREE, on-line and accessible
  - Require limited new data collection
  - Can be used by the layman
  - Are accompanied by additional support, advice and guidance if necessary
  - Are compatible with existing mechanisms and tools
  - Are combined with wider support
  - Are used by others and are the 'tool of choice'
  - Can lead to progress
  - ... also provide users with a choice (are not prescriptive)
  - People will always 'reinvent the wheel' and new tools
  - A one-stop shop is ideal
  - Tools' purpose, use and scale of use need to be clearly defined
- 
- More tools and support are needed for adaptation
  - 'Handholding' resources will always be needed
  - Continual feedback from users, sharing of experience, and evaluation is essential
  - A partnership approach is necessary but challenging



## 5. Some messages from the **Climate Change Information Services Workshop, 10 -11 Sep, De Bilt, the Netherlands**

### Communication:

- Scientists see communication issues as very important part of climate services delivery
- Many are still troubling with the difficulties in communication.
- Social sciences involvement would help, but it is not easy to incorporate due to for example limited time resources.
- More information from the policy makers, what they need.

### Delivery of data:

- Perhaps more overview and interpretation of the data than the data itself, consistency, integration and crossboundary.
- Does not still mean that everything have to be harmoinized.
- Accessibility of information and data should be improved.
- Data without proper guidance is a bad idea.

