



ILMATIETEEN LAITOS
METEOROLOGISKA INSTITUTET
FINNISH METEOROLOGICAL INSTITUTE

Climate Change Community Response Portal, CCCRP

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1. Introduction

1. Introduction

2. Background

3. Goals

4. Means

- CCCRP

- Climate Change E-xplained Wizard
- Climate Data and Scenarios Wizard
- Climate Impacts Wizard
- Community Response Wizard

- Training

- User and stakeholder participation

- Timetable

5. Co-operation and following phases

6. Summary

Climate Change Community Response Portal

Climate Change Explained

Data and Scenario Wizard

Impacts Wizard

Community Response Wizard





2. Background

- General awareness is high, willingness to respond is high
- Large and growing body of information available on the internet
- Quality and reliability of information is highly variable

- Each ministry, each research institution each public authority has or hasn't their own methods and tools

- No national climate change communication coordination

- Adaptation or mitigation vs. adaptation and mitigation





3. Goals

- Raise awareness about global climate change and its implications for Finland
- Communicate scientific information in an understandable way
- Offer guidance and support to local decision makers

- Create common platform for the key national institutions disseminating scientific climate information





4. Means

- Climate Change E-xplained

- Scientific background, impacts, adaptation, mitigation
- Text and figures, links, FAQs, Climate Digest
- What are the others doing?
- Interactive e-Learning modules:
 - Science: Radiative forcing illustrated, uncertainty of climate change information
 - Impacts: Floods and climate change described
 - Mitigation: Emission calculator
 - Adaptation to less snow



Miksi ilmasto muuttuu?

Ilmastonmuutos

Maaailmanlaajuinen ilmiö

Muutamme ilmasto

Ihmiskunnan toiminta muuttaa planeettamme ilmakehän koostumusta. Kasvihuonekaasujen, kuten hiilidioksidin, pitoisuus ilmakehässä on nousussa. Kasvihuonekaasujen lisääntyminen näkyy jo ilmastossa.

Muutos Suomessa

Vaikka perusasiat ilmastonmuutoksesta ovat helposti omaksuttavissa, ilmiön yksityiskohtainen ymmärtäminen ei ole helppoa, ja muutoksen vaikutukset ovat moninaisia. Näiltä sivuilta löydät vastauksia keskeisiin - ja muutamiin muuten vain kiinnostaviin - kysymyksiin, kuten esimerkiksi:

Vaikutuksia

- Millaisia muutoksia ilmastossa on tapahtunut?
- Mitä tarkoittaa kasvihuoneilmiö?
- Onko vesihöyry kasvihuonekaasu?
- Mikä on pienhiukkasten osuus ilmastonmuutoksessa?
- Miten ilmastonmuutosta voidaan ennustaa?
- Miten maapallon ilmasto muuttuu tulevaisuudessa? Miten muutos näkyy Suomessa?
- Mitä uhkia ilmastonmuutoksesta seuraa?
- Mikä yhteys on ilmakehän hiilidioksidipitoisuuden ja maapallon keskilämpötilan kohoamisella? Mitkä muut tekijät vaikuttavat maapallon ilmakehän lämpötilaan?

Tutkimuskohteita

IPCC

» [På svenska](#)

» [In English](#)


Zoek >>

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Nieuws

PAUSE ■ START >>



Op 08 september heeft PBL het rapport 'Vleesconsumptie en klimaatbeleid' gepubliceerd. Een mondiale afname van vleesconsumptie kan een behoorlijke bijdrage leveren aan vermindering van broeikasgas-emissies, waardoor de kosten van klimaatbeleid fors lager kunnen uitvallen.

[Meer...](#)

24 september 2008
Broeikaseffect en ozonlaag

10 september 2008
Vleesconsumptie en klimaatbeleid

03 september 2008
Advies Deltacommissie

29 augustus 2008
Subsidie klimaatonderzoek

Klimaatportaal en meer

Over het Klimaatportaal

Het Klimaatportaal is de website van het Platform, Communication on Climate Change (PCCC), een samenwerkingsverband tussen MNP, KNMI, NWO, WUR, UU, ECN en VU Amsterdam.

Het Klimaatportaal biedt actuele kennis over het klimaat en -verandering.

[Meer >>](#)

Vraag van de week

Waarom stijgt de CO2 concentratie?

[Antwoord >>](#)[Meer vragen >>](#)

Publicaties

Recent verschenen:

[De toestand van het klimaat in Nederland 2008](#)

(7,1 MB)

[Biobrandstoffen Road Map](#)

(1,7 MB)

[De Staat van het Klimaat 2007](#)

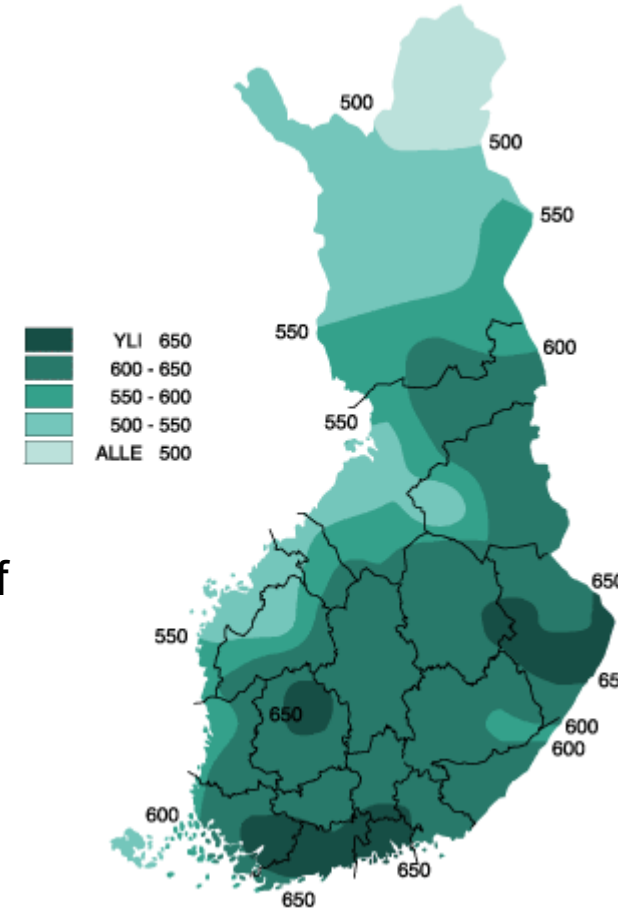
(1,2 MB)

[Meer boeken>>](#)



4. Means

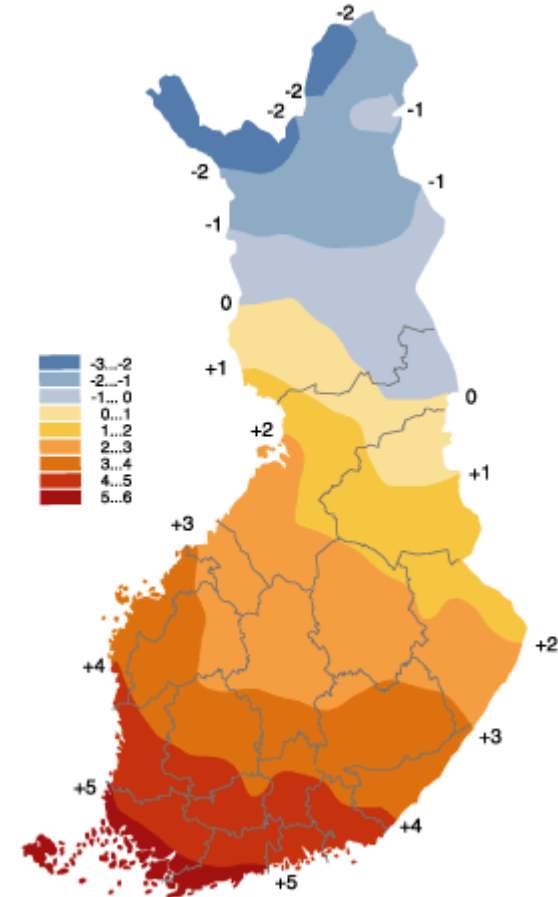
- **Climate Data and Scenarios Wizard** by FMI
- eKlima + scenario data / UK CIP Scenarios Gateway + climate observations
- Observational data:
 - more than 10 long-term stations covering whole country and time period of more than 40 years, plus application oriented indices (heating-degree days, growing season length, etc.) and estimates of return periods for extreme events like high and low temperatures, excess precipitation, length of dry spells, length of hot and cold spells
 - gridded climate products based on temperature, precipitation and solar radiation observations and they will at least have spatial resolution of 10 km. These gridded data sets cover at least the 30-year period 1971-2000.





4. Means

- **Climate Data and Scenarios Wizard** by FMI
- Scenarios data
- SRES: from the high A2 to the low B1 (four in total).
- Fifth IPCC Assessment Report: Representative Concentration Pathways will become available in 2011 and the Wizard will be designed to allow distribution of the most up-to-date material.
- The climate scenarios data will include:
 - a selection of climate model outputs
 - summary information of projected climate change in Finland
 - maps and graphs





eKlima

External access to climatedata from Norwegian Meteorological Institute.

Select
language:

-  English
-  Bokmål
-  Nynorsk

Logged in user JUHAA.KARHU@FMI.FI

Welcome

[Timeseries](#)

[Normals](#)

[Probability frequency](#)

[Extremes](#)

[Frequency distribution](#)

[Info](#)

My user

[Change password](#)
[Log out](#)

My reports

[Status Result](#)

Welcome to eKlima

Meteorological and climatological data from The Norwegian Meteorological Institute (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. A map of observation stations in 2007 is available ([pdf-file](#) , text in Norwegian only)

Changes in the net of stations:

List of stations established or closed in 2006 and 2007:
[2006](#) , [2007](#) and [2008](#)

[List of current weather stations](#) (with [WMO](#) numbers) Not all of them are accessible from eKlima.

Help to login and use eKlima:

If you do not have an account, please [register](#) as a new user.

- [How to register a new user](#)
- [How to log in](#)

News

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 Norway:

[Monthly overview for September](#)

[Annual overview for 2007](#)

Weather forecast - where you are: [yr.no](#)





4. Means

- Climate Impacts Wizard by SYKE

- further development of Finessi web tool by Finnish Environment Institute (SYKE)

FINESSI
Web Tool



-<http://www.finessi.info/finessi/>

- allows the user to explore the possible impacts of climate change in Finland on chosen impact areas and at different time periods up to the end of the 21st century.



4. Means

- Climate Impacts Wizard by SYKE

- impact areas of Finessi

- climate, agriculture, energy, hydrology, lakes, natural ecosystem

- impact areas to be added:

- forestry, biodiversity, tourism and recreation, urban planning, snow conditions, etc

- interface to be redesigned to increase user-friendliness

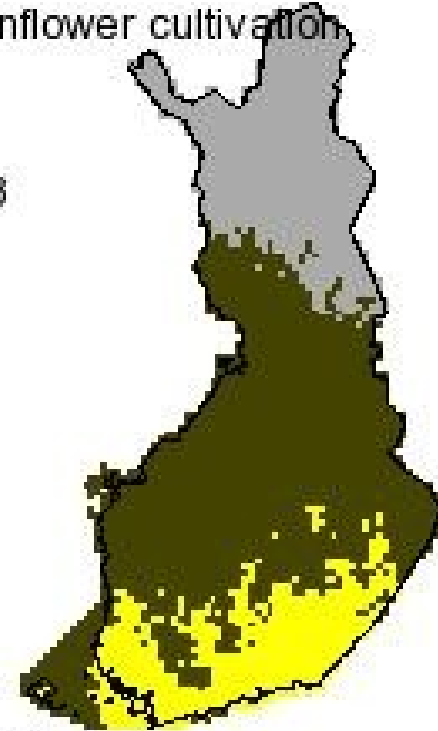
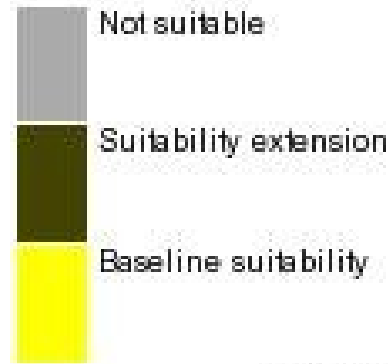
- impacts will be matched with climate observations and scenarios defined in Climate Data and Scenarios Wizard

Thermal suitability for sunflower cultivation

Future: 2040-2069

Emission scenario: A2

Climate model: HadCM3



Source: SYKE



4. Means

- **Community Response Wizard** by TKK/YTK and SYKE
- facilitates an individual learning process on the options for adaptation and mitigation, and to guide the user towards more in-depth information and relevant actor networks.
- guides the end-user through a series of questions and answers, which serve both an awareness raising and a practical purpose.
- uses linkages to the other Wizards in CCCRP and elsewhere
- International examples, without mitigation component, though:
 - UK CIP Adaptation Wizard
 - UK CIP - Base for Research, Adaptation, Impacts and News (the BRAIN)
 - KomPass - Kompetenzzentrum Klimafolgen und Anpassung
 - Klimatanpassningsportalen, Sweden



4. Means

User participation in design of the portal and the wizards

- Steering Committee
 - Association of Finnish Local and Regional Authorities
 - City of Tampere and the Municipality Coalition in the Tampere Region
- pilot test group; end-users

Training

- end-user training sessions in the municipalities

Timetable:

- 1.1.2009: start of the project
- year 2009: design phase
- May 2010: pilot versions of first two Wizards released
- Dec 2010: pilot versions of latter two Wizards released
- May 2011: CCCRP released (Finnish)
- December 2011: English and Swedish versions released



5. Co-operation and following phases

- Similar efforts internationally; a circle of portal developers and web based communicators
 - UK CIP
 - eKlima, Norway
 - PCCC, Netherlands
 - Klimatanpassningsportalen, Sweden
 - KomPass, Germany
- After the first phase
 - new Wizards by other Finnish institutions
 - Journalist training
 - Teacher training



6. Summary and contact information

- One portal for diverse climate change information
- Practical tools for planning and decision making at municipalities of Finland
- Climate change science, impacts, adaptation and mitigation addressed
- platform for research institutes and public authorities to disseminate climate change information
- EU Life+ funding during 2009-2011

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web site: fmi.fi/CCCRP

