



Tailoring Climate Information



Bart van den Hurk
Janette Bessembinder
Alexander Bakker
Henk van den Brink
and many others

www.klimaatvoorruijnte.nl

Set-up of presentation

- Background
- What is “Tailoring”?
- Objective of the project
- Activities and progress
- The “Tailoring” project within CcSP
- Final remarks

Background

Increasing awareness of potential effects of climate change and need for adaptation



Detail climate information needed for correct and timely action



Increasing number of requests for consults, presentations, general and detailed information from governmental organisations, companies and stakeholder groups

What is "Tailoring"?

- Dialog on user needs (which data, level of detail, for what will it be used, etc.)
- Deliver required data in desired format
- Guidance during use of data (e.g. processing for impact models)
- Assistance during use in policy processes (e.g. how to deal with uncertainties)



Interactive process

Transport



Animal production



Coastal defence



Objective of the project

Providing a solid interface between climate information produced by KNMI and a broad range of potential users of this information.

Nature



Recreation



Wind energy



 climate changes spatial planning

Activities

- Inventory of information needs of potential users/stakeholders
- Inventory of available techniques to provide desired information
- Pilot projects to demonstrate tailoring process and options
- Disseminate climate information through internet, publications, presentations, consults

Safety against flooding



Crop production









Tourism



 climate changes spatial planning

Pilot projects

-  Rijkswaterstaat Construction of “standard year” for national hydrological studies
stakeholder RIZA-Lelystad
-  Rijkswaterstaat Generation of large number of synthetic years with rainfall for adaptation to extreme river discharges
stakeholder RIZA Arnhem
-  Future Water Effects of climate change at the level of water boards
stakeholder FutureWater
-  ALTEERRA WAGENINGEN Assessment of European crop yield changes under climate change using crop growth modelling tools
stakeholder Alterra Wageningen
-  ECOFYS Projections for wind energy for the next 10 years for investments in wind energy parks
stakeholder ECOFYS
-  Rijkswaterstaat Projections for extreme winds for coastal defence
stakeholder RIKZ

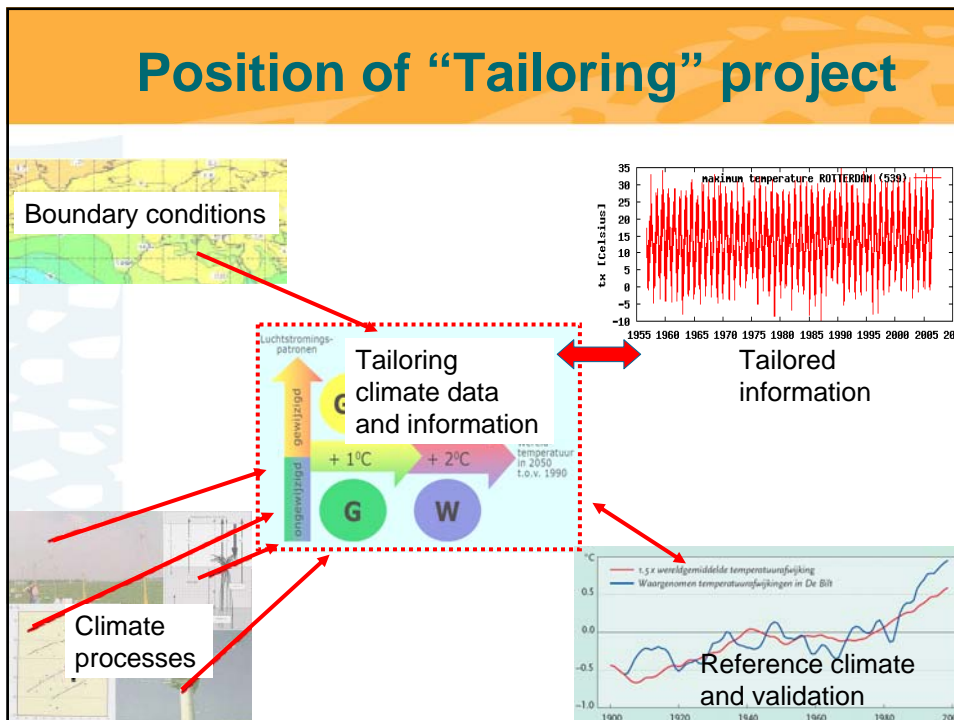
Other examples of tailoring

- Gas production:** Will the probability of extremely low effective temperatures significantly decrease up to 2030?
- Petroleum industries:** Inventory of potential effects of climate change on Dutch petroleum industries up to 2030 and 2050 (extreme rainfall and temperatures, wind)
- Road safety:** Data on weather conditions around 2020 that may affect safety (e.g. extreme precipitation, heat waves)
- Urban water management:** Does intensity of extreme rainfall during 5-60 min. change in the same way as daily extreme rainfall up to 2050-2100?
- Spatial planning provinces:** maps with spatial variability in climate variables and effects of climate change for current situation and around 2050

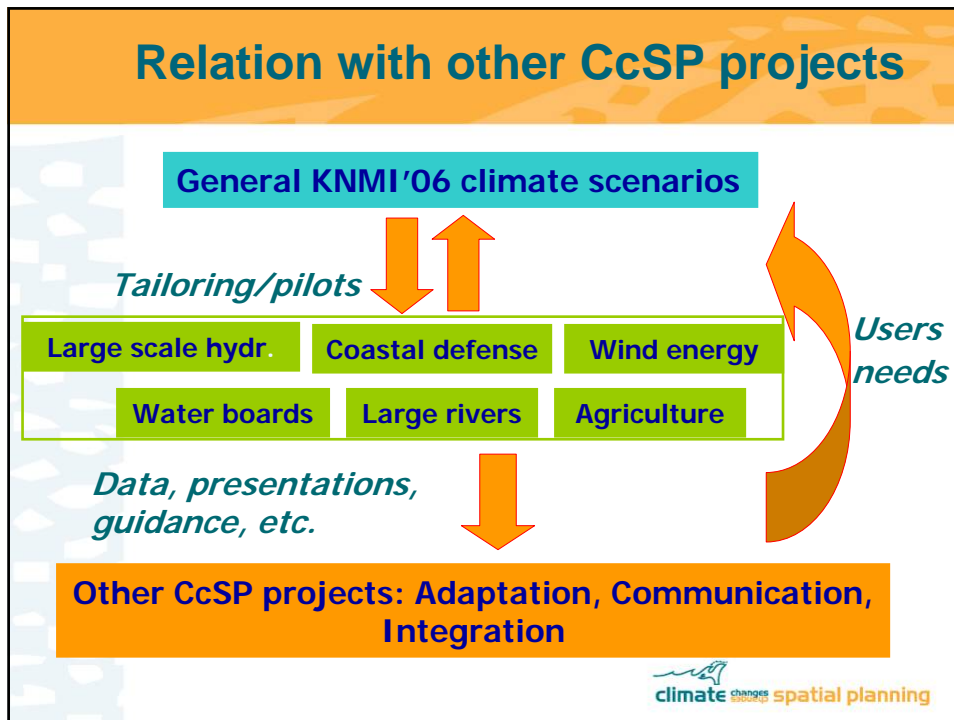
Progress

- KNMI'06 climate scenarios: internet site (www.knmi.nl/klimaatscenarios/) and brochure
- Draft inventory user needs
- Pilots: projects RIZA-Lelystad, ECOFYS and RIKZ almost finished (see posters), other pilots started up
- Transformation program for time series via internet (http://climexp.knmi.nl/Scenarios_monthly/)
- Symposium 8 June 2007 on "Experiences with climate scenarios in water management"
- Presentations (e.g. for provinces, water boards, stakeholder organisations) and publications
- Consults for users (CCSP-projects and others)

Position of "Tailoring" project



Relation with other CcSP projects



Final remarks

- Also much general information about climate change needed
- Many “bottom up” tailoring requests
- Tailoring is interactive process
 - Users do not always know what they need
 - Final use of data/information determines also what is delivered
 - Role of KNMI: objective and consistent information