

CS7 Tailoring

Examples of Tailoring Climate Information

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Introduction

Beside the six CS7 pilot projects, many other tailoring projects are started up and executed with the help of CS7. Questions for "tailoring" to KNMI are often generated by media attention for climate change, presentations or personal contacts. Some examples are presented below.

Planning long term gas production

Stakeholder: Gasunie/GasTerra

Question: Will the probability of extremely low effective temperatures significantly decrease up to 2030?

Result: pilot study finished in 2005. New more extensive project started in 2007

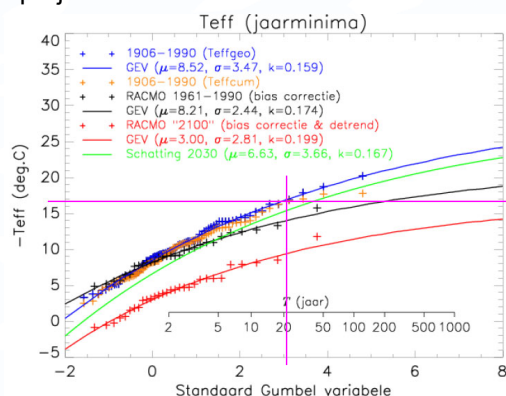


Figure. Return periods ($T(\text{jaar})$) for extremely low effective temperatures (T_{eff}) in De Bilt calculated in different ways for the past, and with the climate model RACMO for 1961-1990 and for the future (2070-2100; A2 scenario).

Petroleum industry and climate change

Stakeholder: VNPI (Netherlands Petroleum Industry Association)

Question: Inventory of potential effects of climate change on Dutch petroleum industries up to 2030 and 2050 (e.g. extreme rainfall, temperatures, wind)

Result: Report finished 2006

Road safety

Stakeholder: National Government (Ministry VenW)

Question: Data on future weather conditions that may affect safety on roads (e.g. extreme precipitation, heat waves)

Result: advice on the use of transformation programme to generate the required information

Design criteria for urban water management

Stakeholder: Technical University Delft

Question: Does the intensity of extreme rainfall during short periods (5-60 min.) change in the same way as daily extreme rainfall up to 2050-2100?

Result: MSc thesis to be finished sept-oct. 2007



Water in the streets: annoyance of damage?

Climate effect atlas

Stakeholder: provinces

Question: Provide maps for the current situation and for 2050 for various climate variables and effects of climate change as basis for discussions on spatial planning

Result: in progress in cooperation with Wageningen UR and DHV

Water management

Stakeholders: Ministry of Transport, Public Works and Water Management (VenW)

Question: Overview of the differences and resemblances between the KNMI climate scenarios from 2000 (WB21 scenarios) and the KNMI'06 climate scenarios

Result: finished 2006, see

<http://www.knmi.nl/klimaatsscenarios/knmi06/samenvatting/>



Should the policies concerning coastal defence and extreme river discharges be adapted?

Further information

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