Norwegian Centre for Climate Services (NCCS)

Products for Climate Adaptation in Norway

Hanne Heiberg, MET Norway
Inger Hanssen-Bauer, MET Norway









Norwegian Centre for Climate Services (NCCS)

- MET Norway
- Norwegian Water Resources and Energy Directorate
- Bjerknes Centre for Climate Research
- Uni Research (Uni Climate)
- Norwegian Environment Agency
 - funding and in steering committee



















Mandate of Centre for Climate Services:

Provide scientific basis for climate change adaptation in Norway







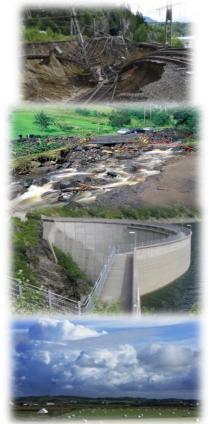


Important users

- State, county, municipalities
- Sectoral authorities responsible for important infrastructure
- Important sectors
- Climate impact research

















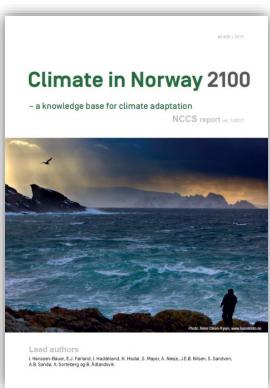
First Main Deliverable:

Climate report (2015)
 based on CMIP5

English summary

https://klimaservicesenter.no/faces/desktop/article.x html?uri=klimaservicesenteret/rapporter-ogpublikasjoner

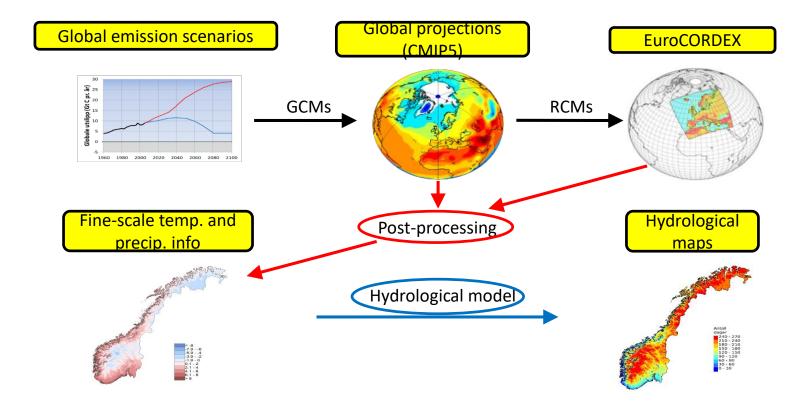
















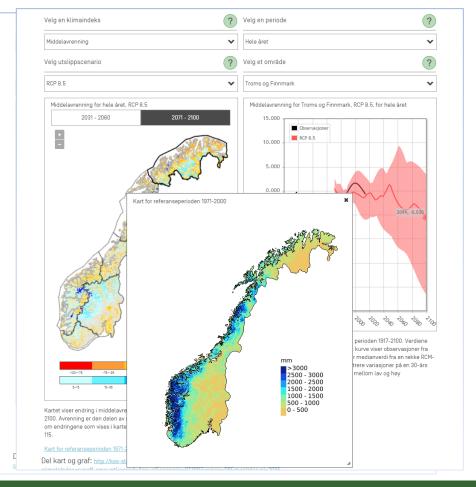


Web





https://klimaservicesenter.no - In English 2019



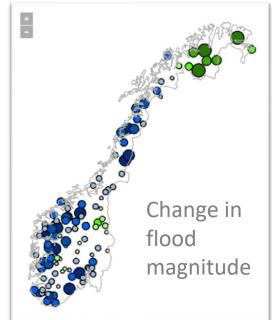






Climate Change Indices

- Temperature
- Runoff
- Flood magnitude
- Precipitation
- Snow amount
- Days with snow
- Growing season
- Evaporation
- Soil moisture deficit





Days with zero degree crossings









Download 1 x 1 km daily grid 1971-2100 Impact Research











Climate fact sheet for each county



- For local work long term planning
- Make it
 - Simple
 - To the point
 - Easily accessible
- 8 p. summary
- Climate changes main challenges
- Close collaboration with local users in counties (19)
- Oral presentations and media focus



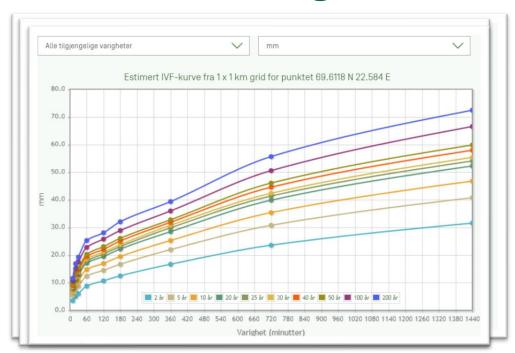






Precipitation intensity - duration - frequency Stations and 1 x 1 km grid





To come: Climate change factors

https://klimaservicesenter.no/faces/desktop/idf.xhtml

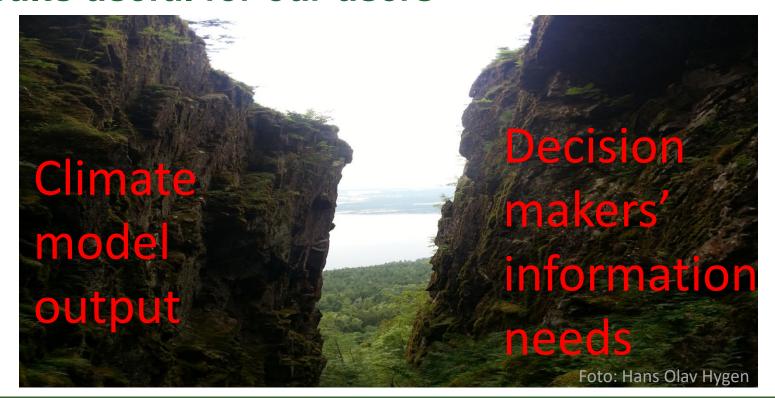








Summary: NCCS is trying to make the research results useful for our users



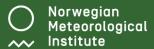








NORWEGIAN **CENTRE** FOR **CLIMATE** SERVICES









Hanne Heiberg, hanneh@met.no klimaservicesenter.no