



Climate Change Explained

Maps, graphs and data

Community Response Wizard

Observed and projected climate | **Impacts of climate change** | Precipitation return levels | Selection of design storms | Adaptive capacity and vulnerability

Climate and impacts

- Water resources i
- Snow cover duration (days) i
- Maximum Snow Water Equivalent (kg/m<sup>2</sup>) i
- Soil moisture deficit (mm) i
- Evaporation sum (mm) i
- Maximum runoff (mm) i
- Total runoff (mm)
- Flood timing (percent of years)
- Potential energy demand i
- Natural ecosystems i
- Terrestrial ecosystems i

Time period

- Baseline
- 2010 - 2039
- 2040 - 2069
- 2070 - 2099

Map option

- value
- change

Climate scenario i

view scenarios

RCP-based scenarios

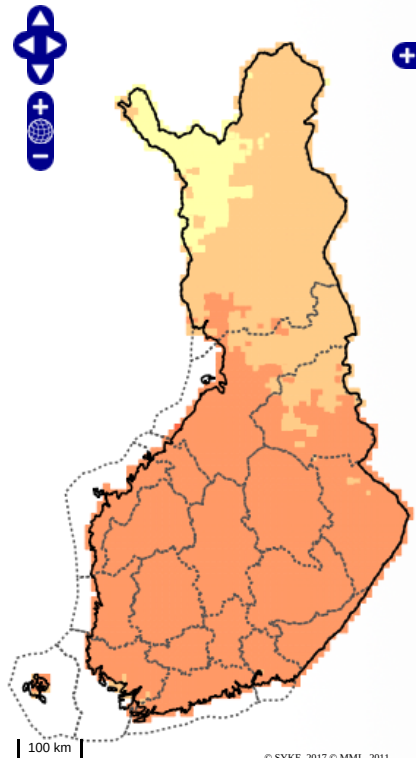
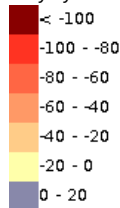
Mean Scenario	RCP 2.6	RCP 4.5	RCP6.0	RCP 8.5
Warm + Dry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warm + Wet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cold + Dry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cold + Wet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

archive

Snow cover duration (days)

relative to baseline

RCP-based scenario:  
RCP 2.6  
Climate model:  
CCSM4  
Time period:  
2010 - 2039  
Unit:  
days/yr



Descriptive statistics for

Finland i

N: 3560 min: -60.7 AVG: -41.4 max: -10.5 SD: +11.9  
percentiles:  
P5: -54.2 P25: -51.1 P50: -46.7 P75: -30.3 P95: -19.2

Explanation

Map

Maps show estimates of the impacts of climate change in different parts of Finland in a regular grid of 10 x 10 km. Descriptive statistics can be chosen to be shown either for all squares in Finland or for the squares of a selected region.

Types of impacts

Different types of impacts can be selected. In this prototype version, maps can be produced showing impacts of climate change on hydrology (water-related factors), energy demand for heating and cooling of buildings and the natural decomposition rate of dead plant material. Maps can also be shown of the estimated changes in climate (temperature and precipitation) themselves. For more information about the models used to generate some of these maps, see [here](#).

Present and future climate

The maps show impacts under present-day as well as future climate. Present-day climate is represented using data observed in recent years at weather

