

GRUNDVATTENRÅDET FÖR  
KRISTIANSTADSSLÄTTEN

# Forsee Skåne

CLIMAAX

– HORIZON

Johan Bogaert



Länsstyrelsen  
Skåne

20 maj 2026



Funded by  
the European Union



**CLIMAAX**  
climate ready regions

Preparing the ground for adaptation

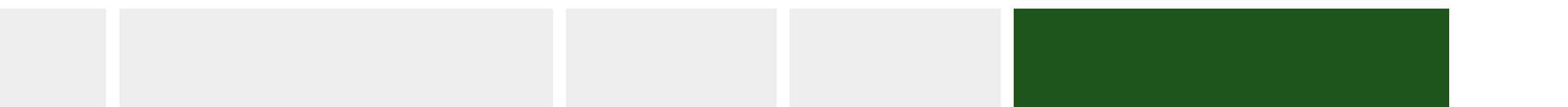
Assessing risks and vulnerability to climate change

Identifying adaptation options

Assessing adaptation options

Implementation

Monitoring & Evaluation (M&E)





**CLIMAAX**  
climate ready regions

## To do what?

Proposals should aim to generate a regional Climate Risk Assessment by:

- Adhering to methodological coherence (addressing hazard, exposure, and vulnerability);
- Using quantitative methods with relevant data (observational or model-based);
- Addressing various climate risks (multiple hazards);
- Ensuring comparability across regions and time frames for a comprehensive climate risk synthesis;
- The proposal must cover the three phases approach (see picture beside).

### PHASE 1: COMMON METHODOLOGY applicable at regional/local scale in Europe

- Multi-risk
- Applicable at any interested region/municipality/community
- Able to establish a common Risk Assessment benchmark across Europe
- Using as much as possible the common information already available

### PHASE 2: REFINED REGIONAL/LOCAL HR ANALYSIS AND RISK ASSESSMENT

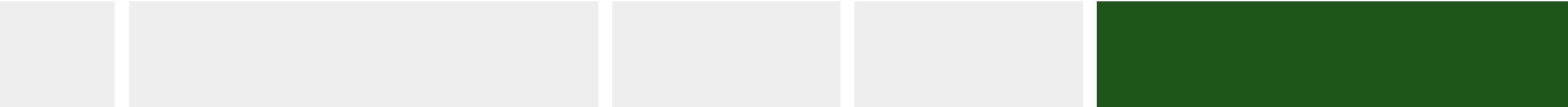
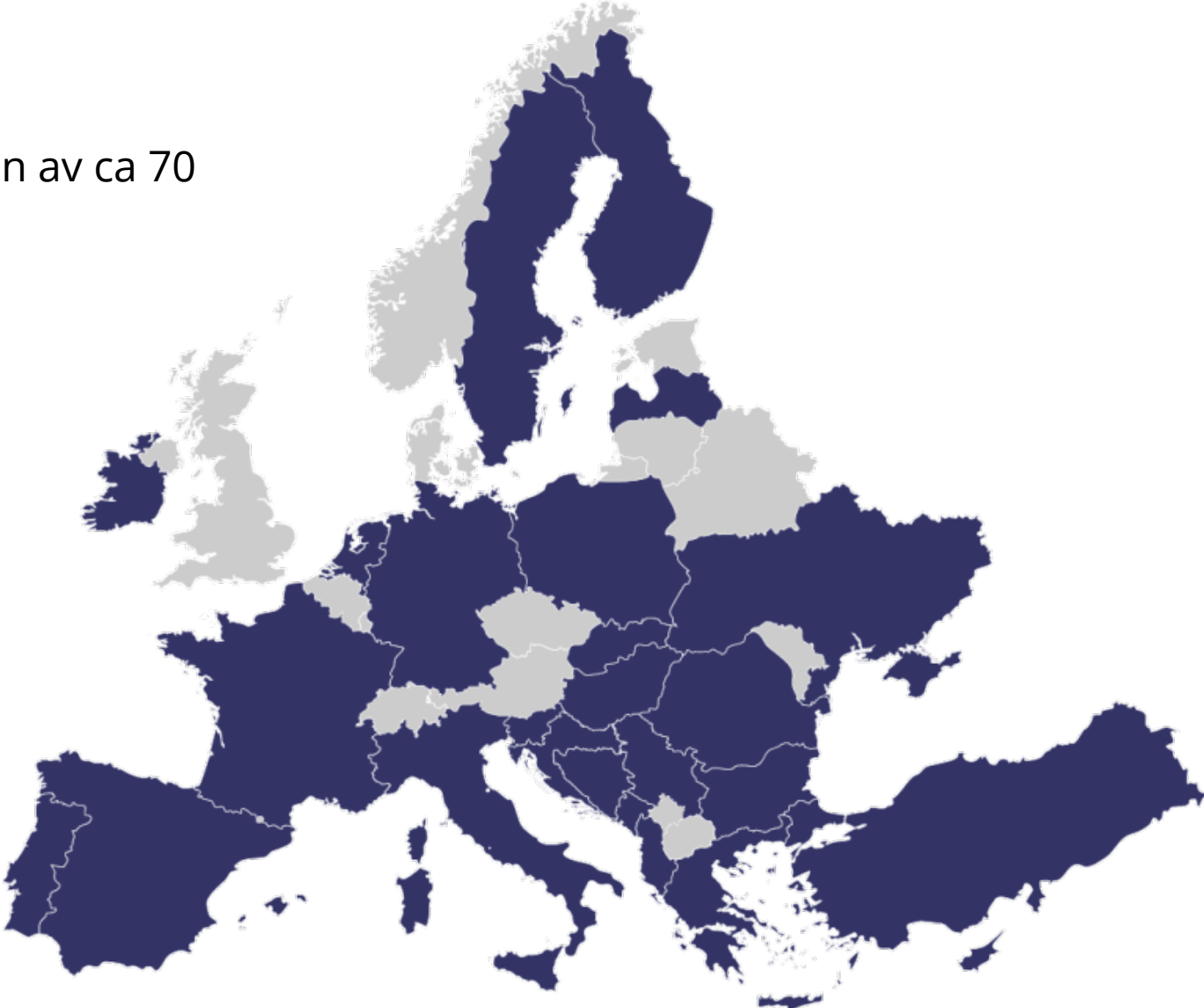
- Using local data /downscaling of the projected climate indicators
- Capable to integrate local high-resolution data and approaches
- Able to enhance regional/local risk assessments
- Applicable by third parties to any location in EU

### PHASE 3: BETTER REGIONAL/LOCAL ADAPTATION STRATEGIES AND RISK MANAGEMENT PLANS

- Definition of feasible and successful adaptation strategies and RMPs in the region/community
- Produce technical documents to support the look for funding to implement the adaptation strategies
- Guidance support through examples of best practices

**Forsee Skåne CLIMAAX inom Horizon** – en av ca 70 områden/regioner

Projekttid:  
1 mars 2025 –31 december 2026









# Forsee

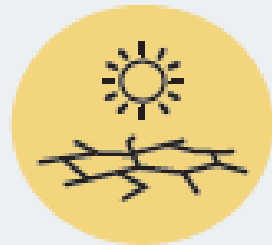
Projektet syftar till att öka medvetenheten om klimatrisker och möjliga lösningar hos kommuner, markägare och andra målgrupper

Per Persson  
Max Van mening  
Johan Bogaert

# Fas 1 – CLIMAAX-metodiken

## Risk Workflows

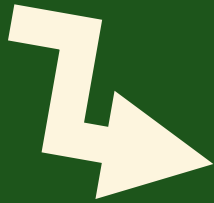
-  RIVER & COASTAL  
FLOODS 
-  HEAVY RAINFALL 
-  DROUGHTS 



## **Fas 2 – Förfinad regional eller lokal HR-analys och riskbedömning**

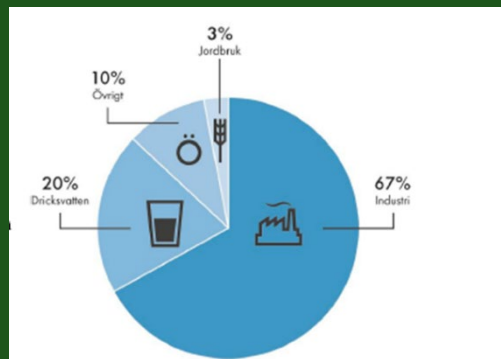
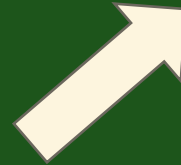


## Nederbörd



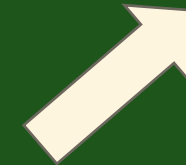
<https://www.smhi.se/klimat>

## Användning



Figur 2. Enligt statistik från SCB använder industrin två tredjedelar av total vattenanvändning. Cirka en femtedel används för dricksvattenproduktion och tre procent används inom jordbruket.

## Avrinning

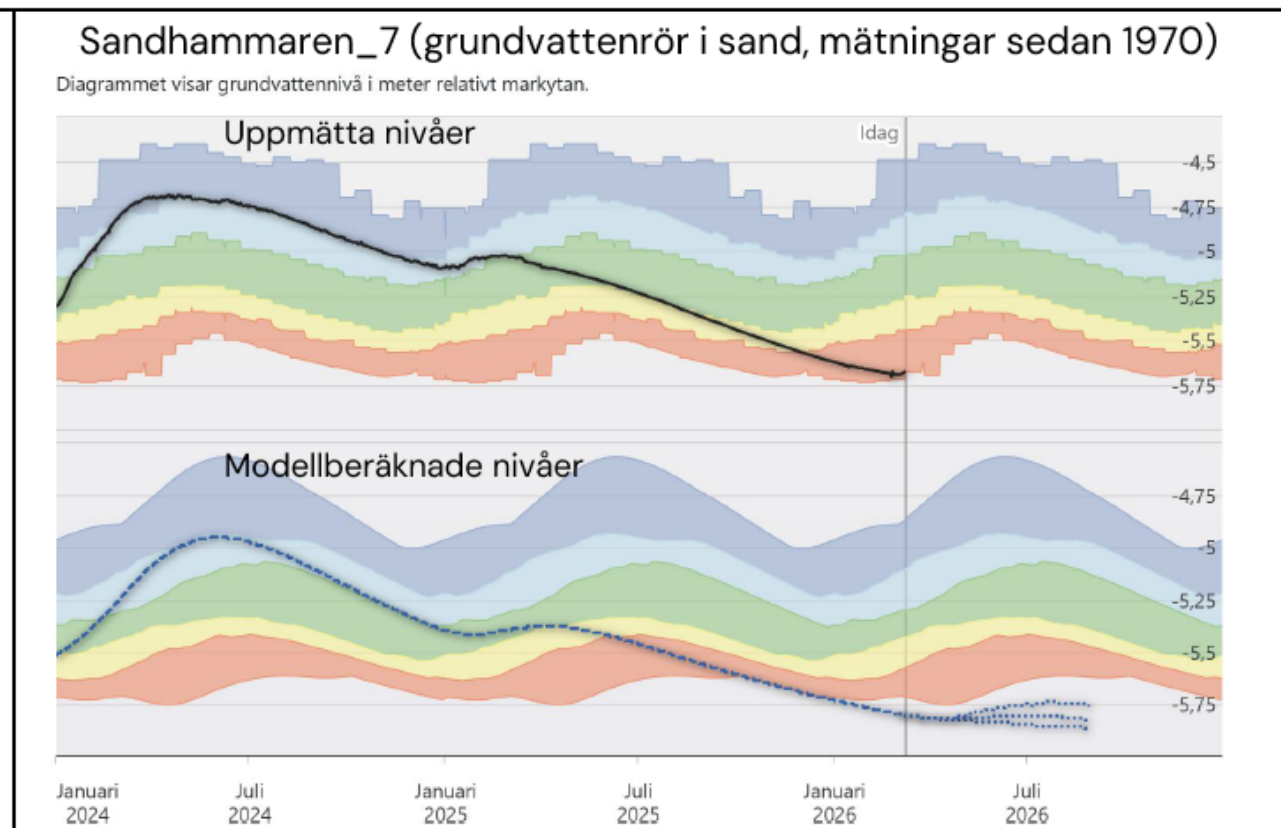
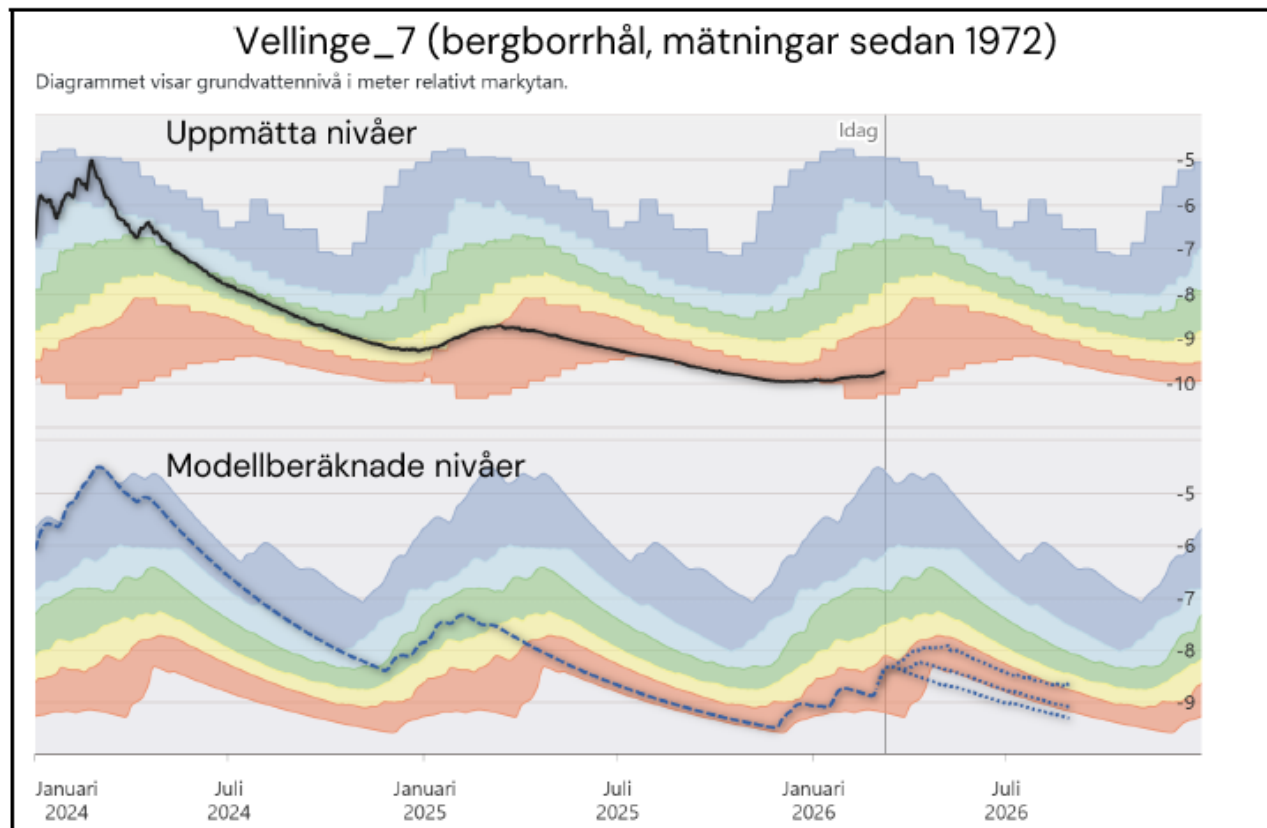
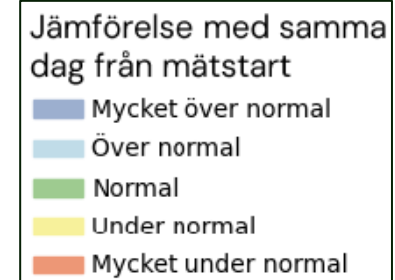


Lagra vatten i landskapet  
Infiltration till grundvatten  
Inte ta bort vattenområde  
Minska hårda ytor

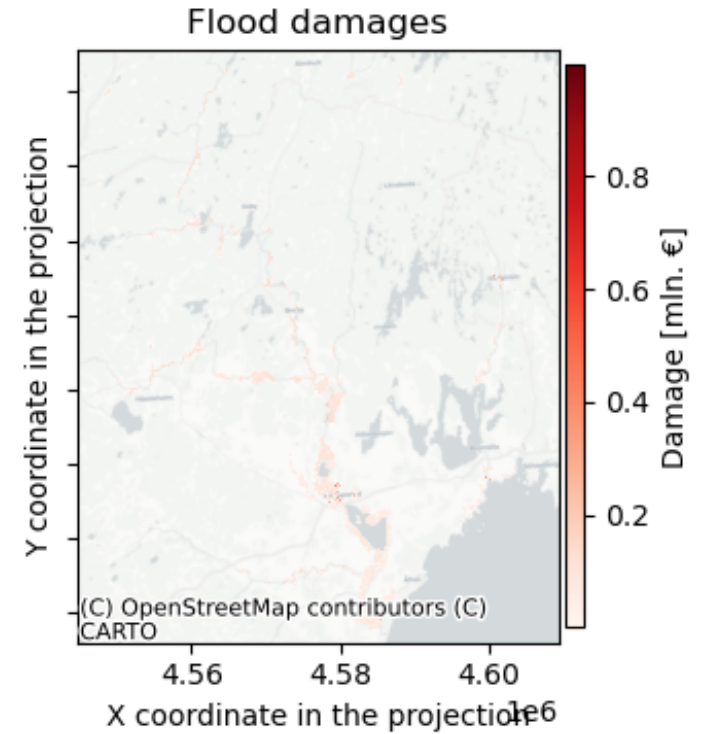
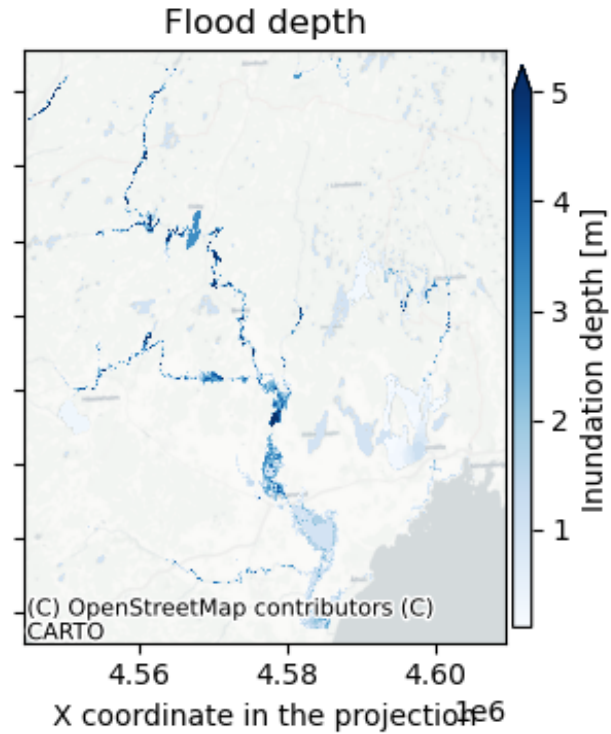
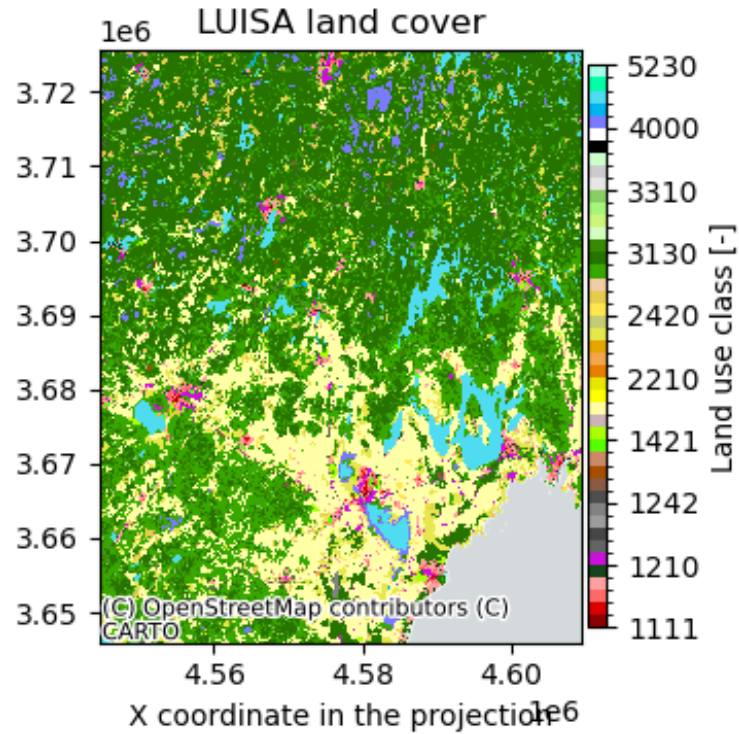
# Grundvattennivåer i Skåne mars 2026

Exempel från SGU:s mätstationer

Uppmätta och modellberäknade nivåer



Maps of flood and associated damages for extreme river water level scenarios in current climate  
1 in 100 year extreme event



# Översvämning i Helge å.

MCF  
MSB:s 100-årsflöde med gul skraffering samt JRC:s  
nutidsscenario för 100-årsflöde med  
översvämningssområde i blått.

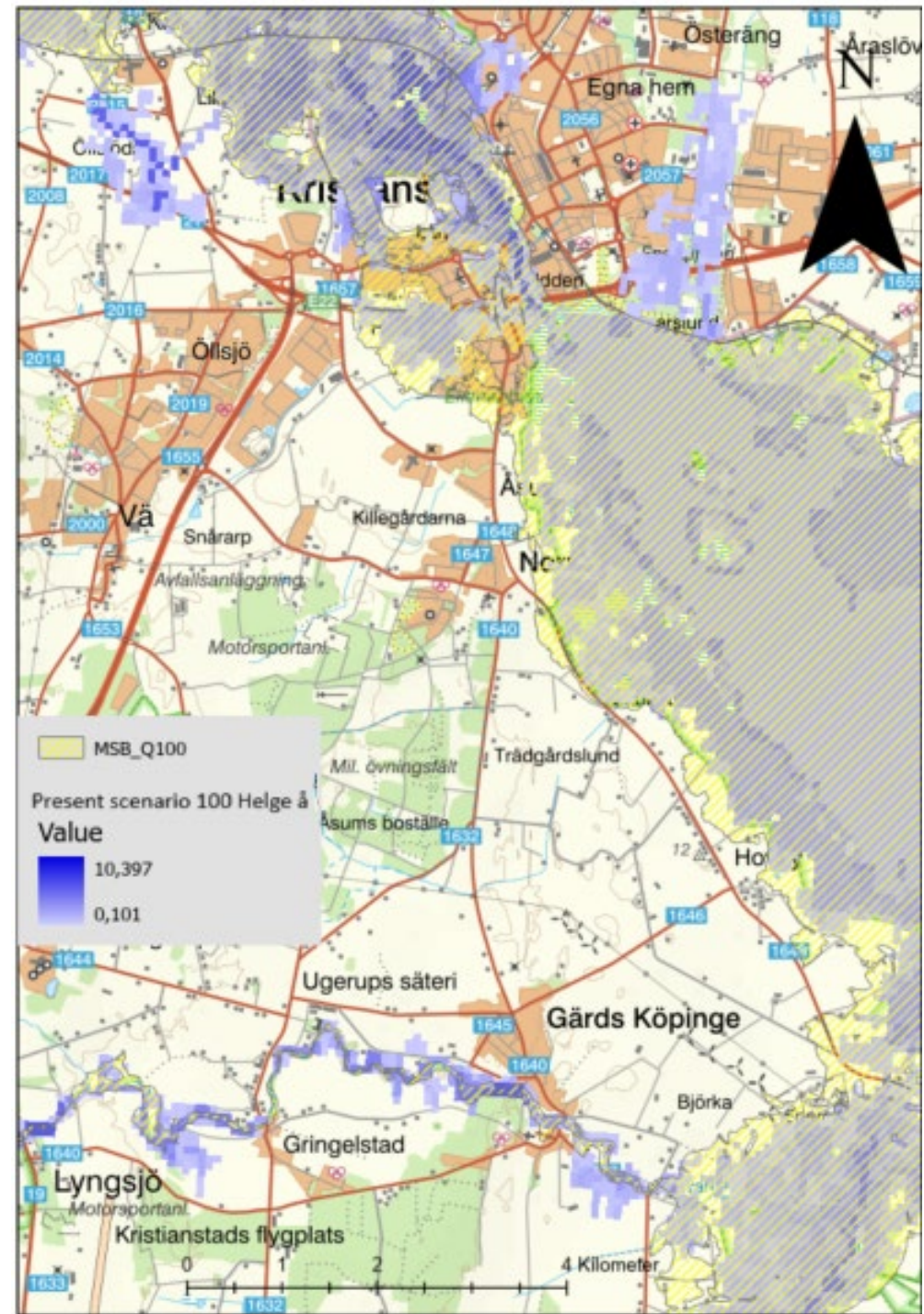
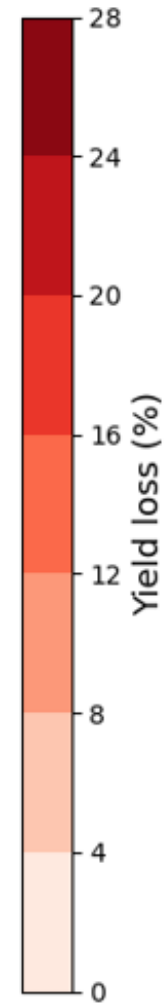
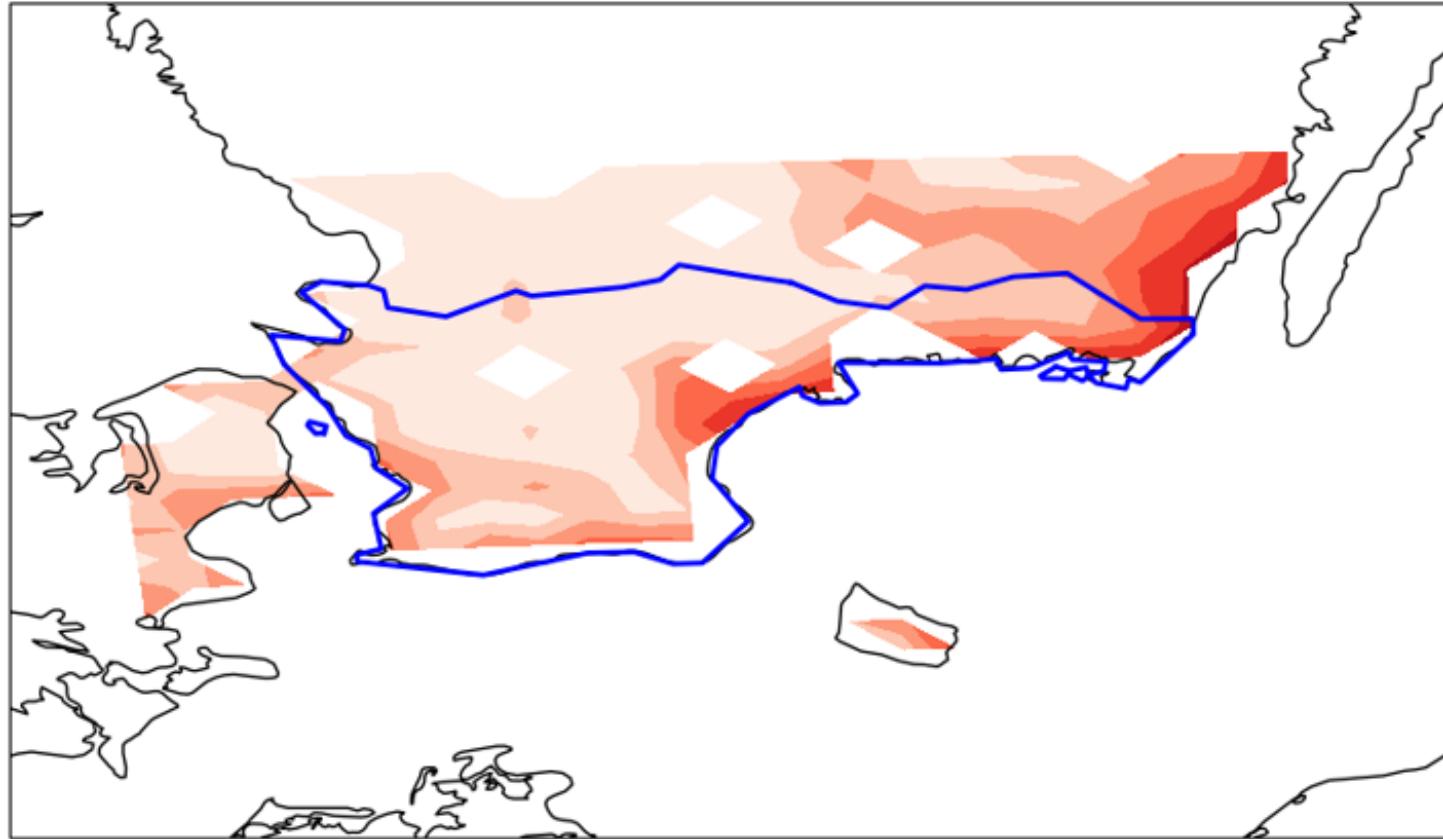


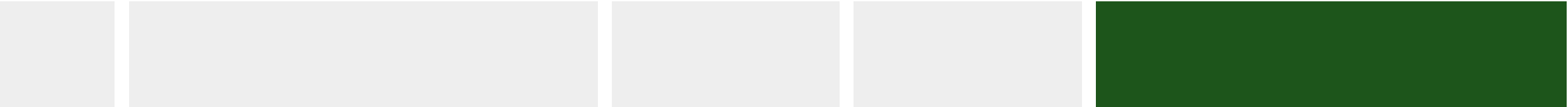
Figure 57

### Sugar\_Beet yield loss from precipitation deficit

Sydsverige rcp45 2046-2050 mpi-smhi



Ett genomsnittsår  
ca 2050



**Nu är det er tur.**



**Länsstyrelsen  
Skåne**