



C2C Coast to Coast Climate Challenge

Early Warning in Denmark

The Regional Crisis Centre in Wallonia

4th May 2022

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The organisation of early warning

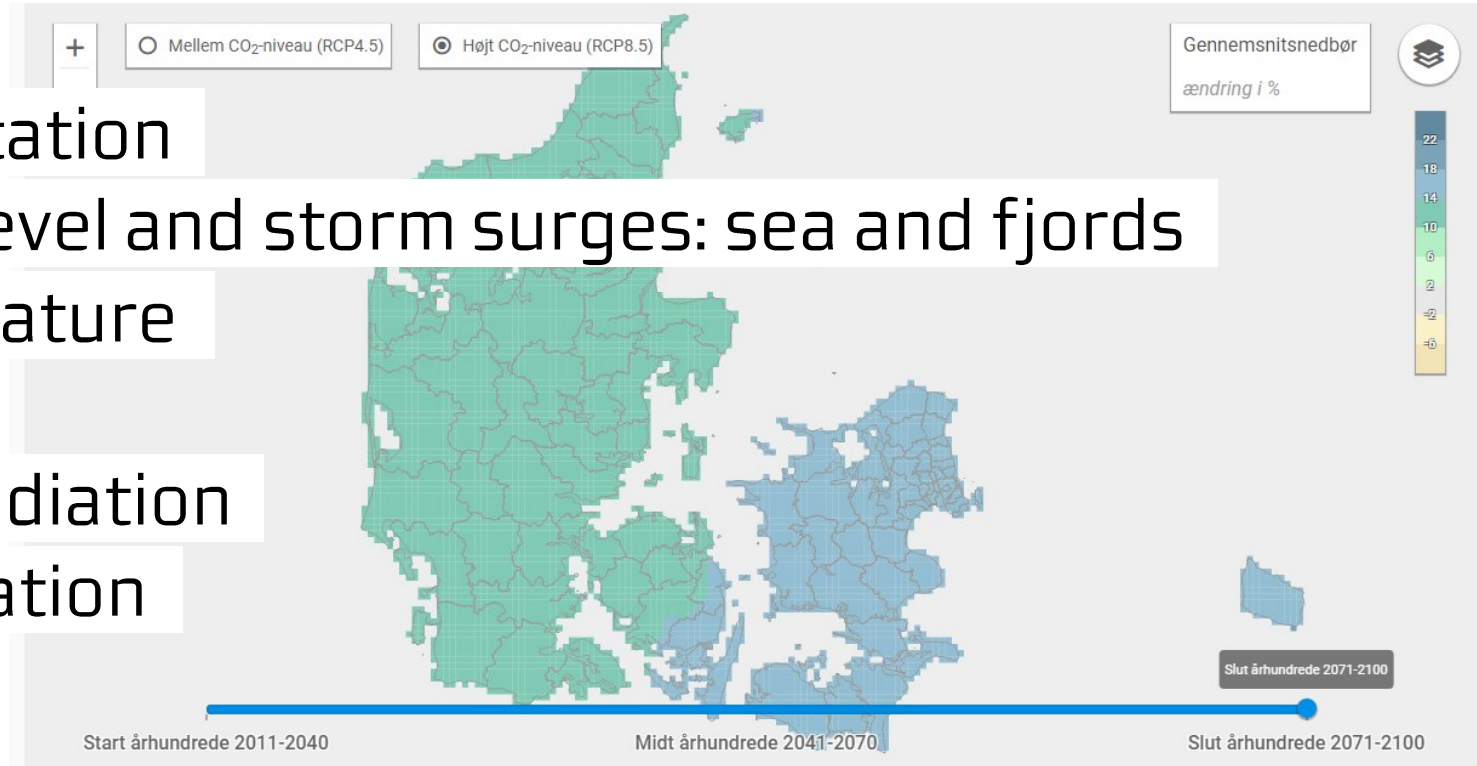
- Danish Meteorological Institute (DMI): state institution
- Municipalities
- Emergency Preparedness
- The citizens



KLIMAATLAS

DMI

- Precipitation
- Water level and storm surges: sea and fjords
- Temperature
- Wind
- Solar radiation
- Evaporation



Municipalities

- Local data in own systems
 - MIKE11
 - VASP
- Example: Gudenåen



DEMO

Max Varslings... Varslings... Opland Vand på t...

Export csv / dfs0 Lokationstype Gudenå Periode

- Station
- Varslingspunkter
- Hammervej 62.92
 - Ørnsholtvej/Myllerupvej 60.78
 - Hammer Mølle 57.73
 - Egholmvej 55.15
 - Tørring Camping 54.03
 - Sdr. Fælledvej Syd 51.49
 - Nordkærsbroen 49.69
 - Åle teltplads 48.76
 - Åstedbro teltplads 47.44
 - Bjerresmøllevej v. Matru... 46.89
 - Bredstenbro, Horsensvej 43.37
 - Bredvadmøllevej 41.73
 - Voervadsbro 30.32
 - Klostermølle 23.15
 - Skanderborg Sø 23.22

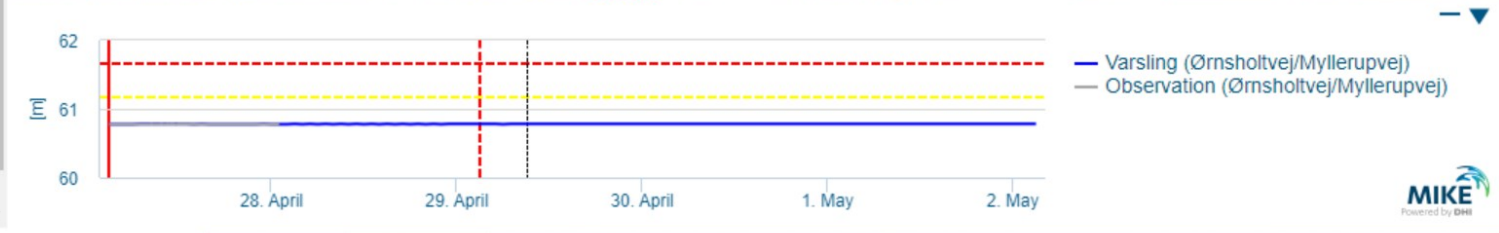
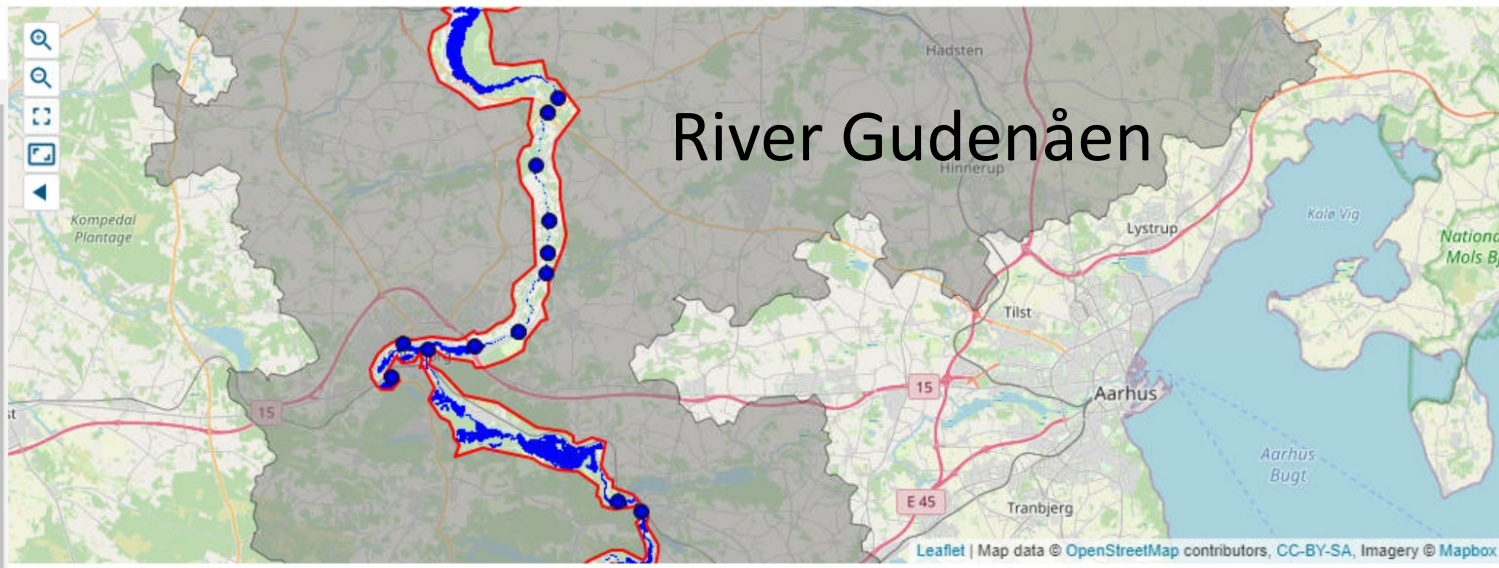


River Gudenåen





- Lag
- Max
 - Forhøjet
 - Normal
 - Væsentlig forhøjet
 - Varslingspunkter
 - Normal
 - Forhøjet
 - Væsentlig forhøjet
 - Varslingsområde
 -
 - Opland
 -
 - Vand på terræn (meter)
 - 0,01 - 0,2
 - 0,2 - 0,4
 - 0,4 - 0,6
 - 0,6 - 0,8



Emergency Preparedness

- Local EP is controlled by municipalities and carried out in the local fire brigades. Organised between several municipalities.
- State controlled EP – 1500 employed in 6 departments. Assisting the municipalities.

More intuitive tools for planning

The screenshot displays the KAMP web application interface. At the top, the browser address bar shows the URL: <https://kamp.klimatilpasning.dk/nedboer/bluespot?value=20%2C150>. The application header includes the logo "Klimatilpasning | KAMP", a search bar, and navigation options: "Dan rapport", "Hent til QGIS", "Del", and "Om".

The main interface is divided into several sections:

- AREALDATA (Left Panel):** A vertical menu with expandable categories: Hydrologi, Natur, Fredninger, Jord, Planområder, and Andet.
- Map (Center):** A satellite map showing a residential area with buildings outlined in pink. A blue shaded area indicates a "bluespot". A text box above the map states: "Det valgte område er det kortudsnit, som du kan se." Street names visible include "Lousgade", "Fristiansgade", "Steen Blichers Gade", "Rantzsaugade", "Trækbanen", and "Dag Hammarskjöld". A 100m scale bar is at the bottom right of the map.
- PÅVIRKNING (Right Panel):** A panel titled "PÅVIRKNING" with a sub-section "Nedbør" (Precipitation). It displays "Bluespot (lavninger) SDFE" and "Afskæringskriteriet:" (Filtering criterion) with radio buttons for 0 cm, 10 cm, and 20 cm (selected). Below, "Nedbør i mm:" (Precipitation in mm) is shown with a slider set to 150 mm. A note states: "Største døgnnedbør i Danmark er 168 mm på Ærø i 1931".

The Windows taskbar at the bottom shows the system tray with the time 09:51 and date 29-04-2022. The "midt" logo is visible in the bottom right corner.

Future

- In the next 10 years, DMI will develop early warning for rivers and lakes – flow data
- New National Climate Plan

Thank you for your attention

The background features a light blue gradient at the top, transitioning into a series of overlapping, semi-transparent geometric shapes in various shades of blue and green. These shapes are arranged in a way that creates a sense of depth and movement, resembling a stylized landscape or a modern architectural design. The overall aesthetic is clean, minimalist, and professional.