

The Usserød Å Project

Climate change adaptation across municipal boundaries

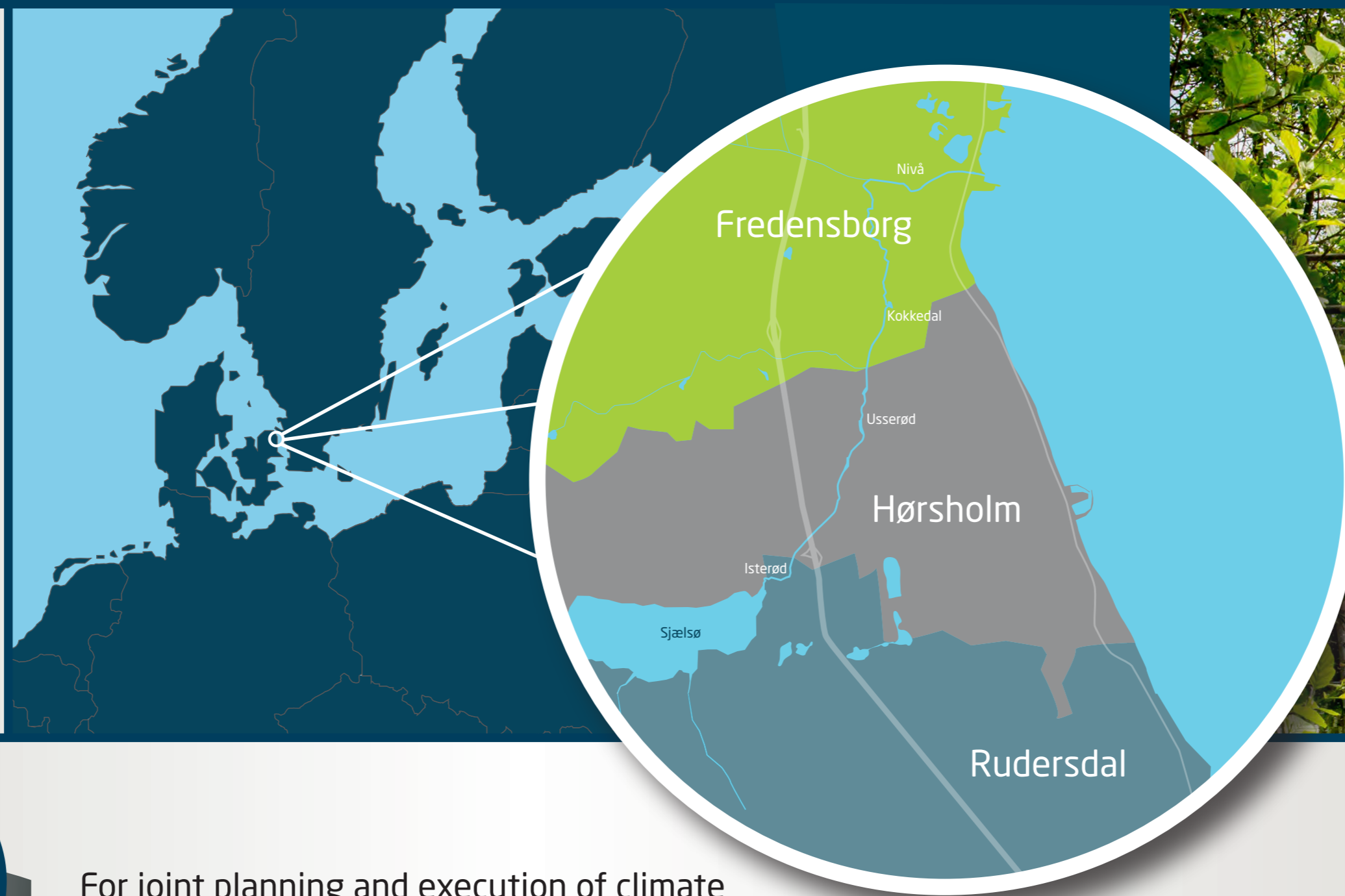
USSERØD Å
JOINT
FLOOD
SOLUTION



Water respects no municipal boundaries.

Tackling downstream flood risks requires upstream solutions and measures – As joint ventures across the border!

The Usserød Å project is launched for the purpose of achieving just that.



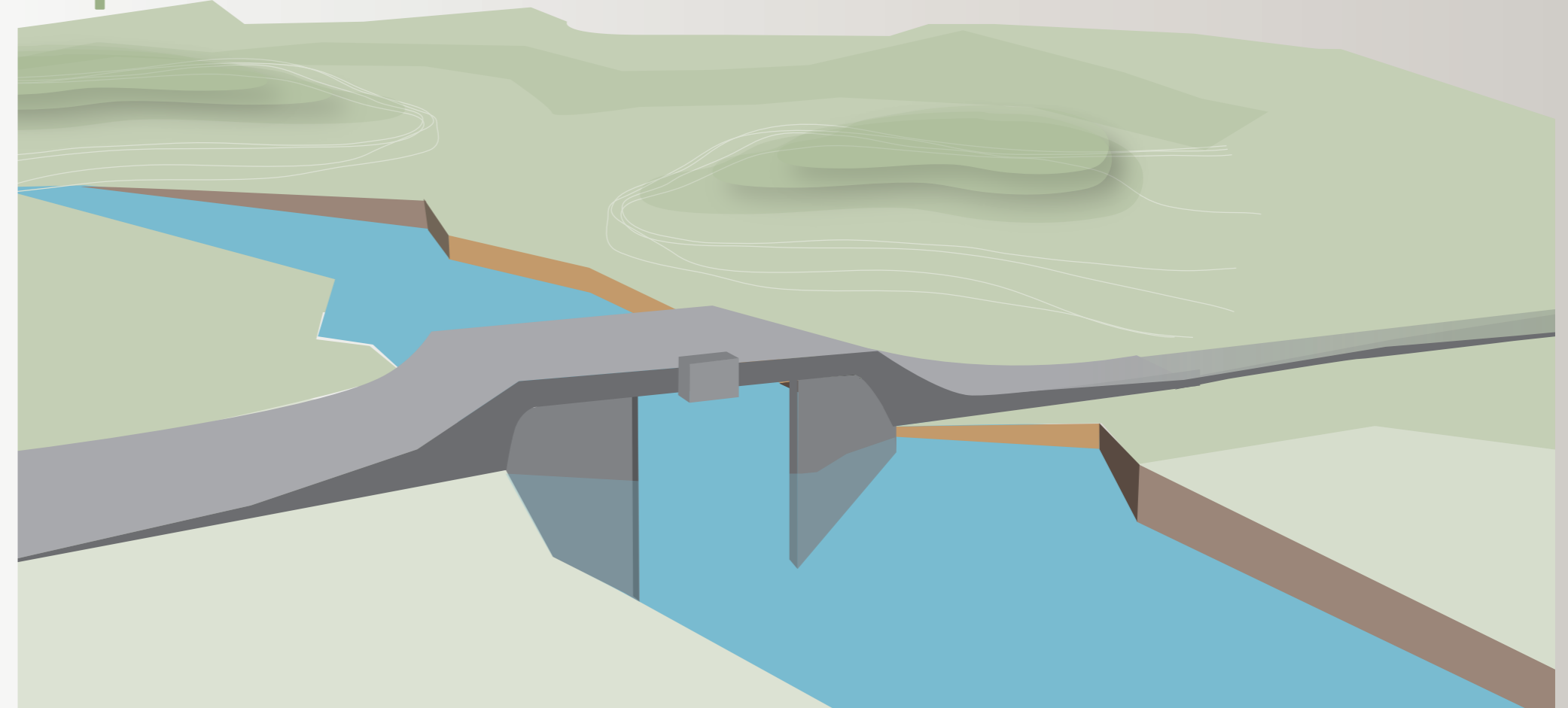
Historically the inlet to Usserød Å from lake Sjaelsøe has been regulated by an old weir at the outlet of lake, without the inhabitants downstream along the river having any say in this.

In the Usserød Å project a new joint regulation regime for the outlet has been established, securing that the inlet will be cut off at warnings for heavy rainfall, thus reducing the hydraulic load of the river.

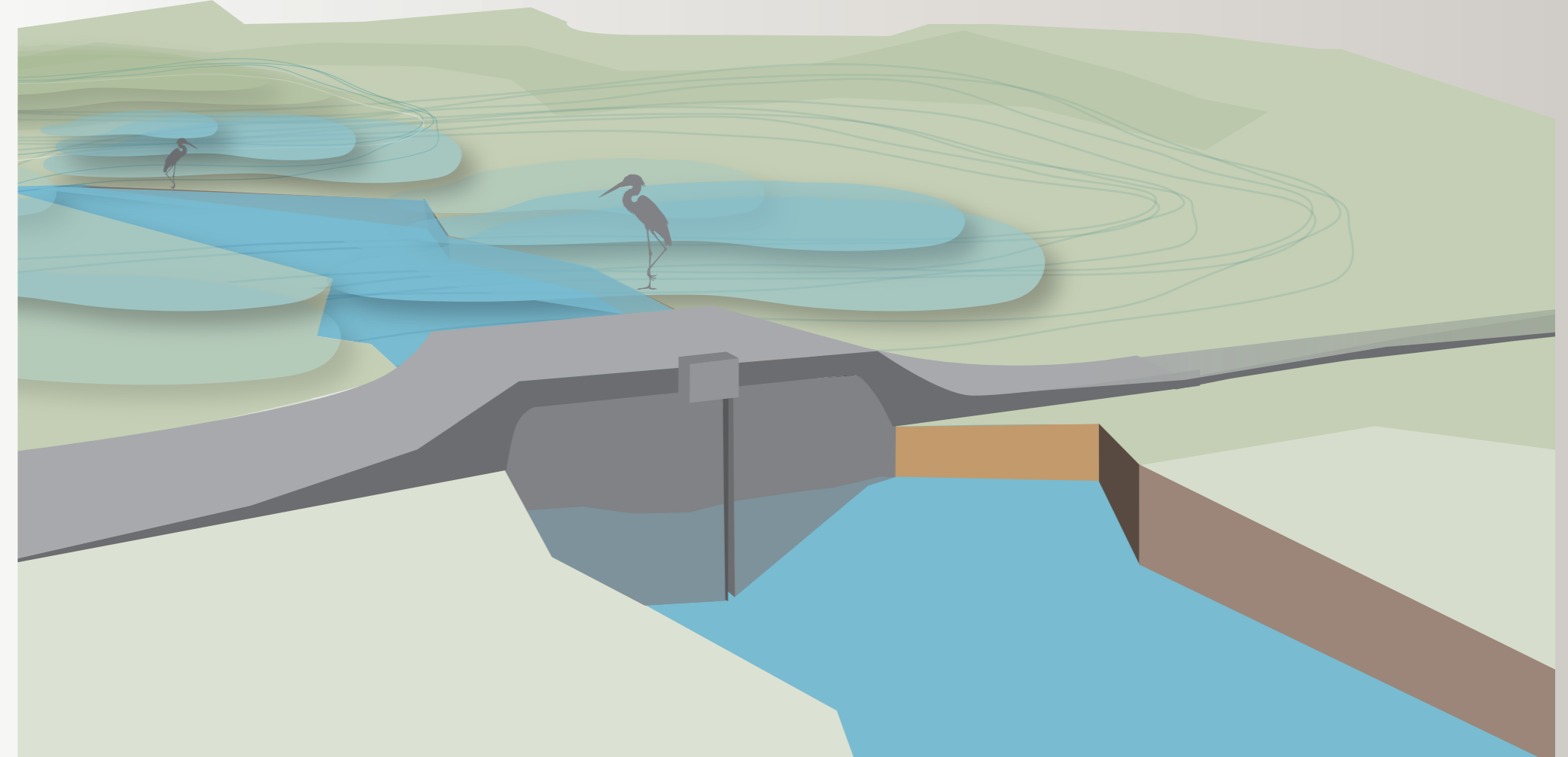
For joint planning and execution of climate adaptation measures you need to look at a joint “dashboard” for the water system. 10 measuring units are installed along the river course, covering a distance of 8 km from the offspring at lake Sjaelsø to the outlet in the sea. The units are equipped with state-of-the-art sensors for continuous measurement of precipitation, water flow, water level and oxygen content. The data from the measurement system is presented on a shared website, a “dashboard” for the water management and early warnings.

The Usserød Å catchment area is highly urbanized, and the water level will rise to critical levels within a few hours after the start of extreme rainfall. Flood risks are eminent in a number of housing areas. The trick is to re-direct the water during extreme rainfalls into open terrain areas of the river bed resilient to flooding, keeping the floods from reaching the housing areas downstream.

Open



Closed



Climate change adaptation for Usserød Å catchment area obviously calls for joint, cooperative solutions, but such good intentions often clashes with the reality of governance and management practices and legislation at municipal level. The scope for the Usserød Å project is to take on these challenges head-on and demonstrate how an effective intermunicipal cooperation can be organized and put into operation.

