



Kalkense Meersen Cluster - Upper Sea Scheldt

River: Sea Scheldt

Submitter: **Michaël De Beukelaer-Dossche**
De Vlaamse Waterweg nv
Lange Kievitstraat 111-113 bus 44
2018 Antwerpen
BELGIUM
michael.debeukelaer-dossche@wenz.be

project owner: De Vlaamse Waterweg NV

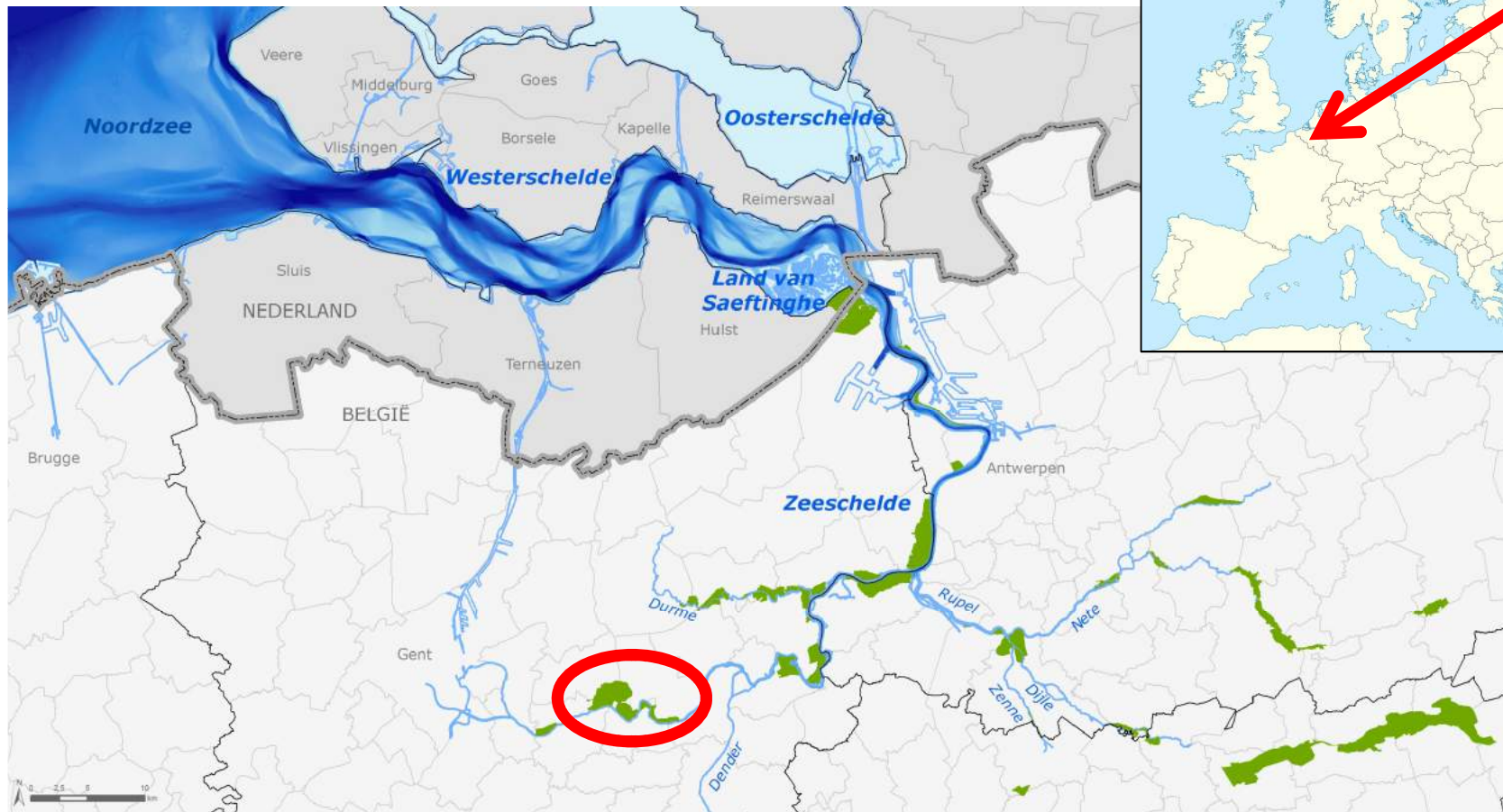
The Sea Scheldt is the mayor waterway for inland navigation, connecting the ports of Ghent and Antwerp. With growing attention towards sustainability, a 'Sustainable Management plan' was implemented for the navigation channel. The updated 'Sigmaplan' addresses combined solutions for safety and nature development. At the Kalkense Meersen Cluster both plans converge, implementing measures of about 1000ha: 1) upgrade of Flood Control Area (FCA) Bergenmeersen to with a novel type of fish-friendly sluice; 2) upgrade FCA Paardeweide with non-tidal attachment as new solution; 3) building the new FCA Wijmeers combined with depoldering; 4) making the river self-dredging with willow mats reducing maintenance dredging works; 5) restoration of natural wetlands along the river to buffer excess run-off and to restore fish migration.



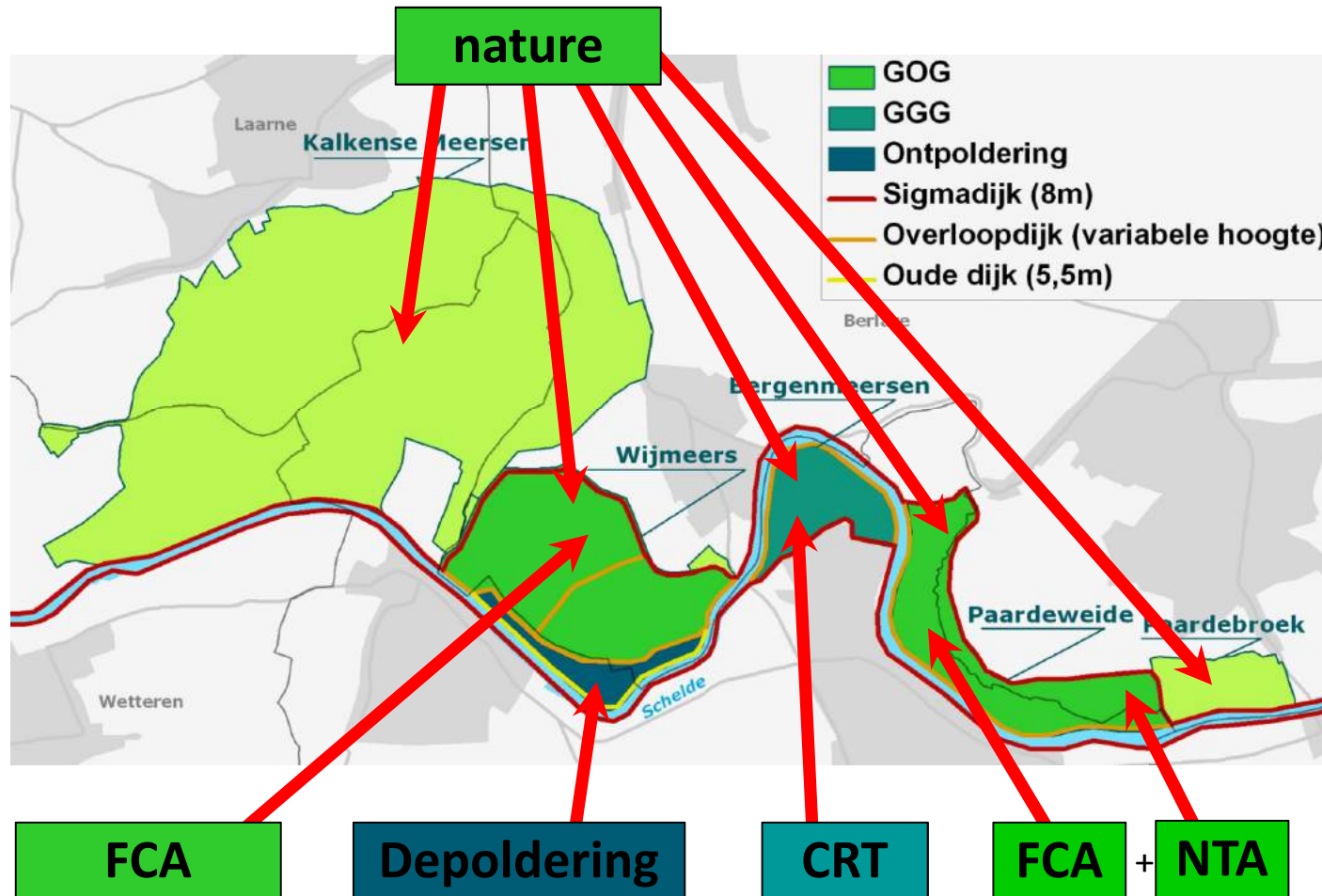
Kalkense Meersen Cluster,

*developments by the
Updated Sigmaplan and
Sustainable Management Plan
for the Upper Sea Scheldt*

Kalkense Meersen Cluster



Working with Nature





Paardeweide: Non-Tidal Attachment in FCA



Bergenmeersen: Flood Control Area with Controlled Reduced Tidal Area



Wijmeers: Depoldering