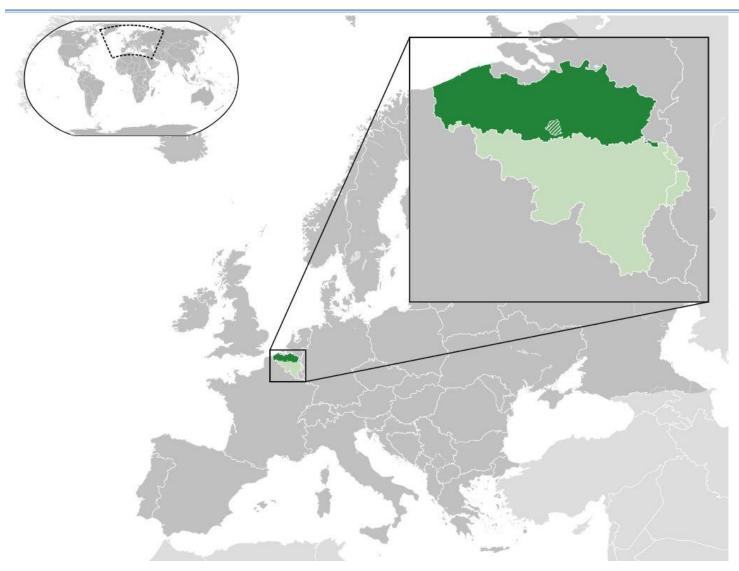
Distribution and status of sea lamprey in Belgium + wider catchment area

Johan Coeck, Ine Pauwels, Pieterjan Verhelst, David Buysse

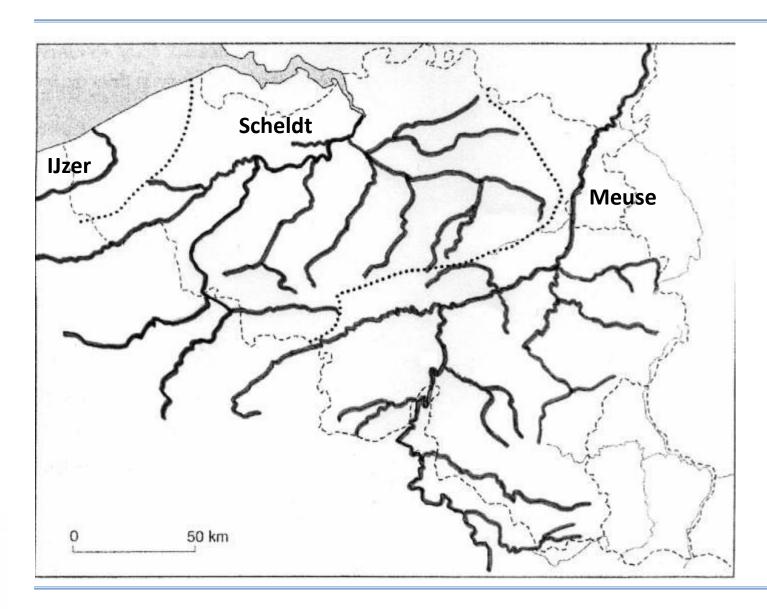


Study area: Flanders – Belgium – "lowland area"

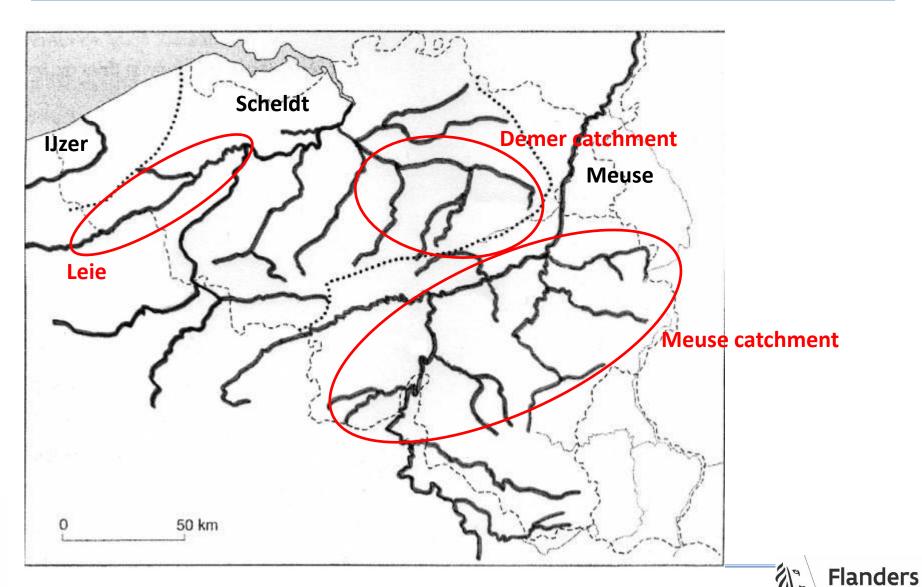




Study area: Flanders – Belgium – 3 catchments"

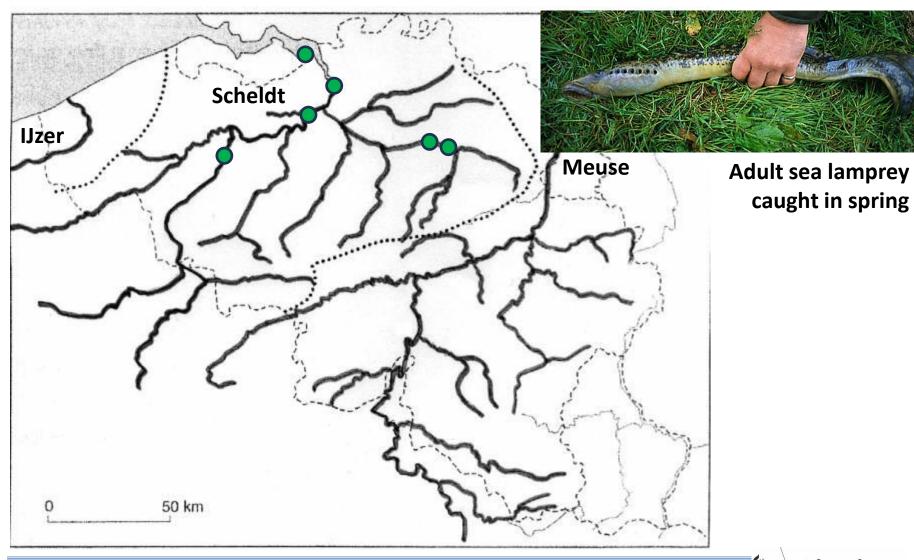


Historic distribution of sea lamprey (pre 1900)



State of the Art

Actual distribution of sea lamprey (since 2000)

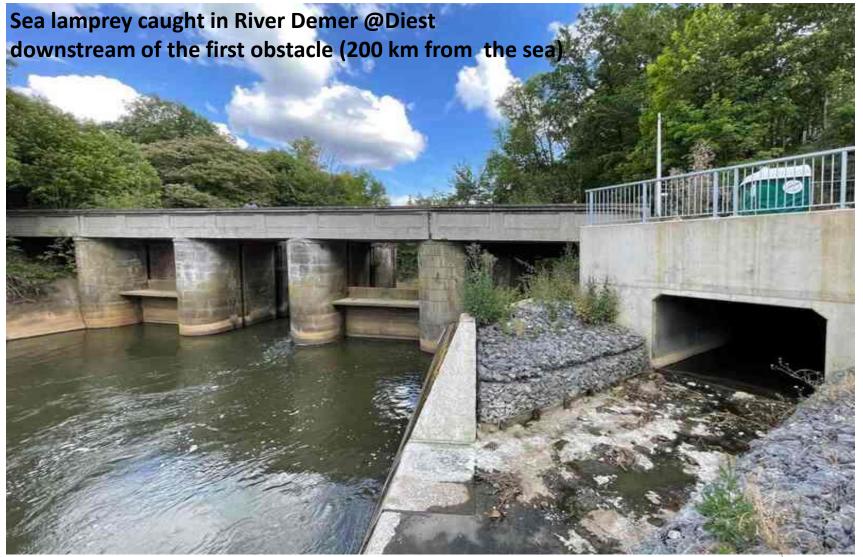












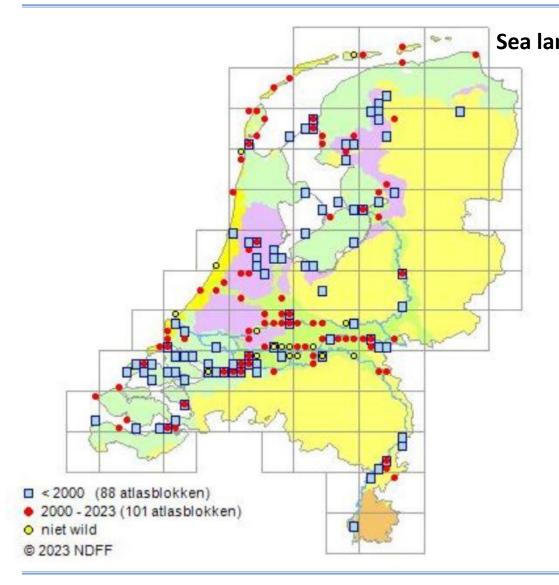


Sea lamprey caught in the fish by-pass river in the upstream River Scheldt @ Asper 180 km from sea



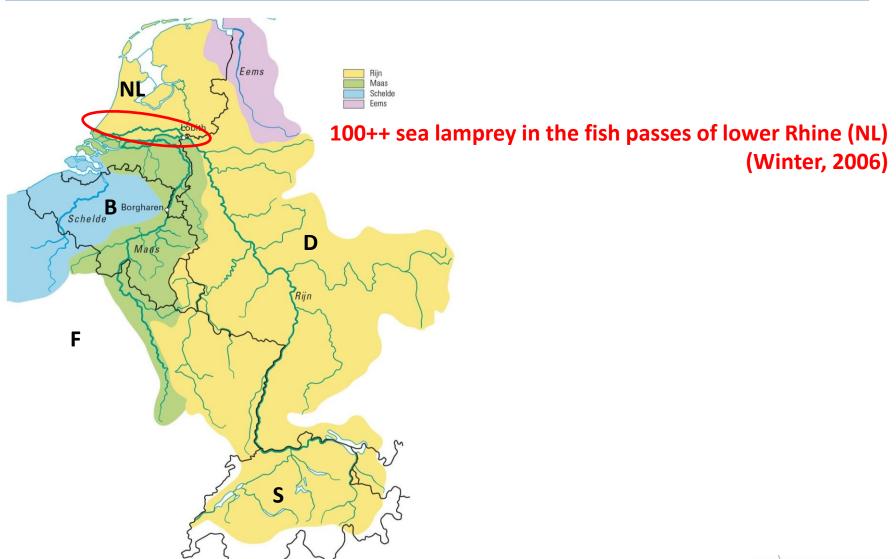


Sea lamprey distribution in the Netherlands

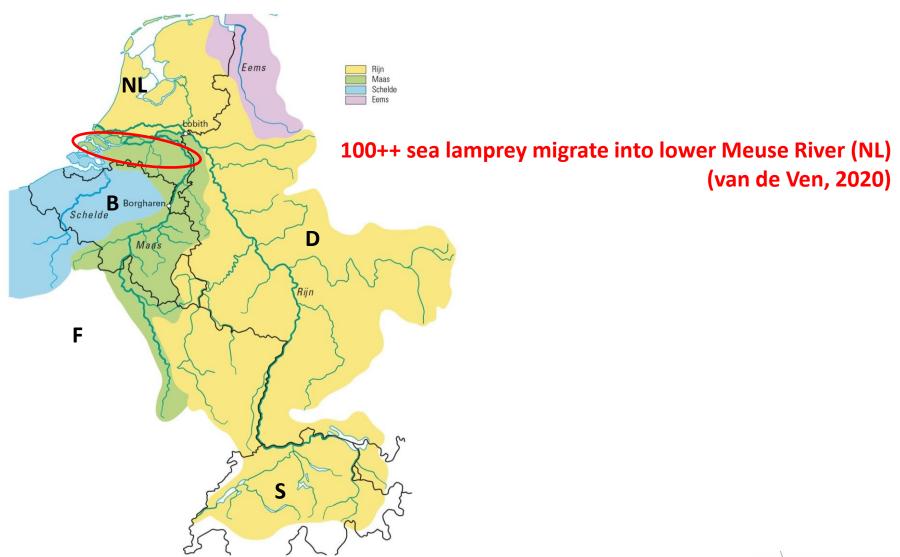


Sea lamprey catches in The Netherlands:
downstream parts of the Belgian
catchments (Scheldt & Meuse)
& Rhine + Eems cathments

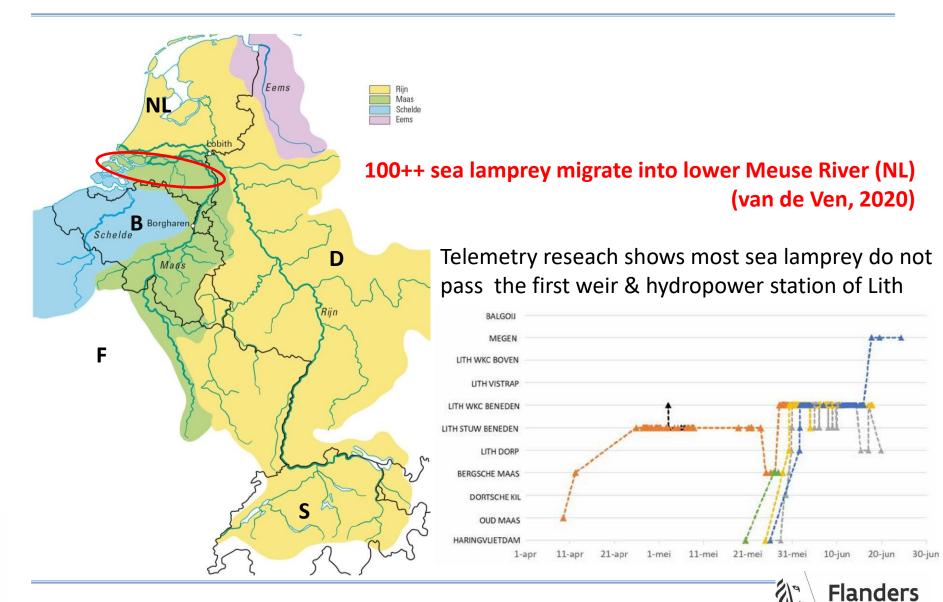
Sea lamprey migraton in River Rhine (NL)



Sea lamprey migration in River Meuse

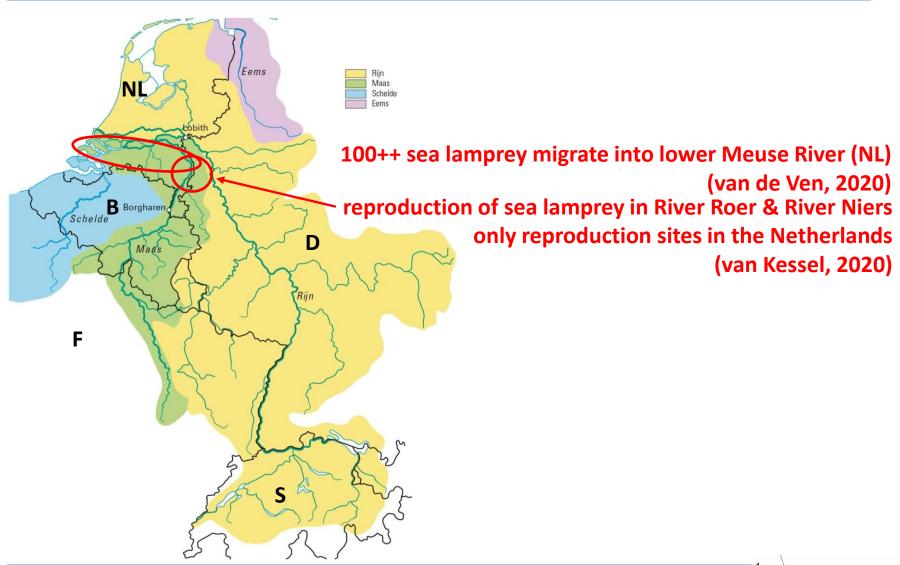


Sea lamprey migration in River Meuse



State of the Art

Sea lamprey reproduction in River Meuse (NL)



Sea lamprey reproduction habitat



River Niers:

- 114 km long
- affluent of River Meuse
- spawning on gravel/sand bars
- ammocoetes & juveniles found!
- occurs together with brook & river lamprey
- confirmation by eDNA



IUCN status sea lamprey in Scheldt-Meuse-Rhine

EX (Extinct)

EXW (Extinct in the wild)

RE (Regionaly extinct)

CE (Critically endangered)

EN (Endangered)

VU (Vulnerable)

NT (Near threatened)

LC (Least concern)

DD (Data deficient)

NA (Not aplicable)

NE (Not evaluated)

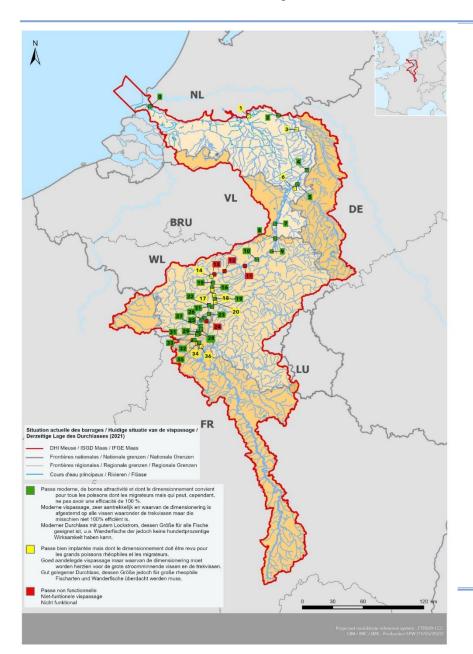
Belgium – Wallonia

Belgium – Flanders

Germany - NRWF

The Netherlands

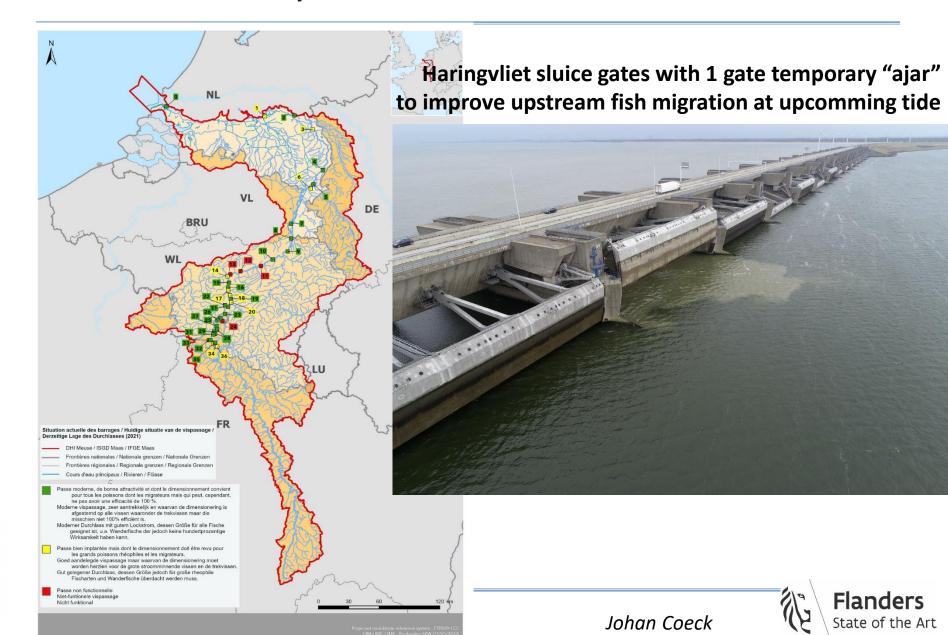




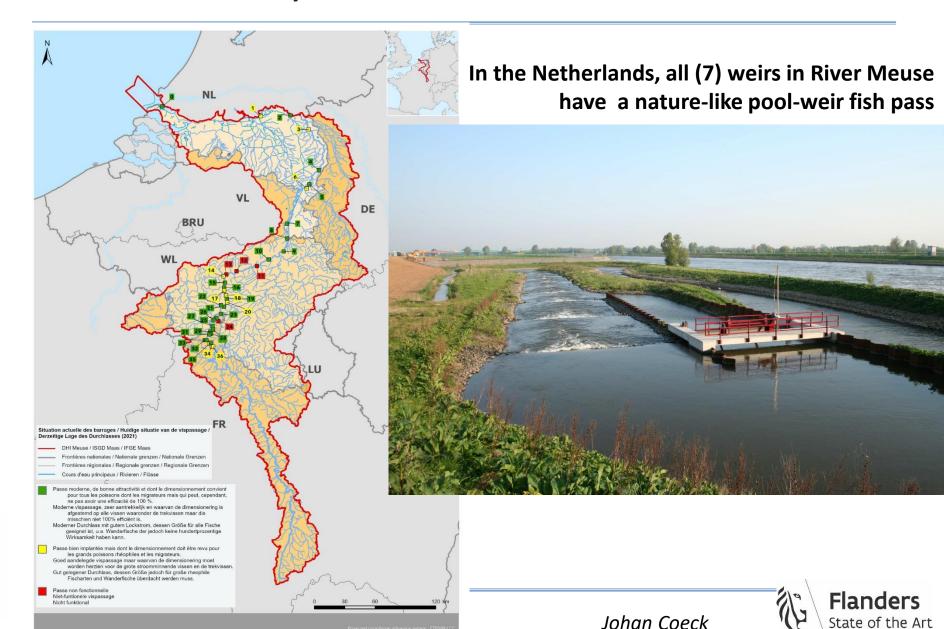
37 "obstacles" in the main river:

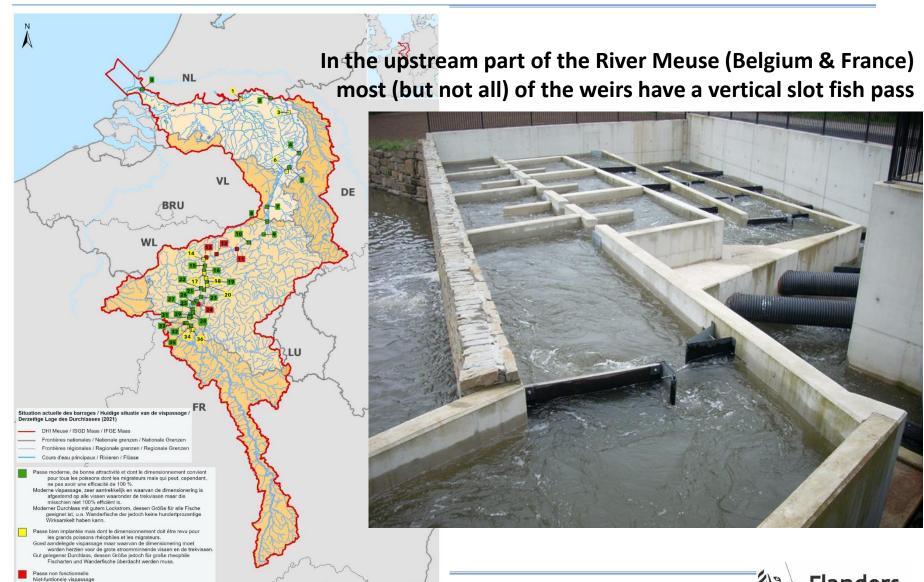
- Haringvliet sluice gates at sea
- 36 weirs with and without hydropower and with well (green)or less well (yellow) functioning fish passes and without (red) fish passes

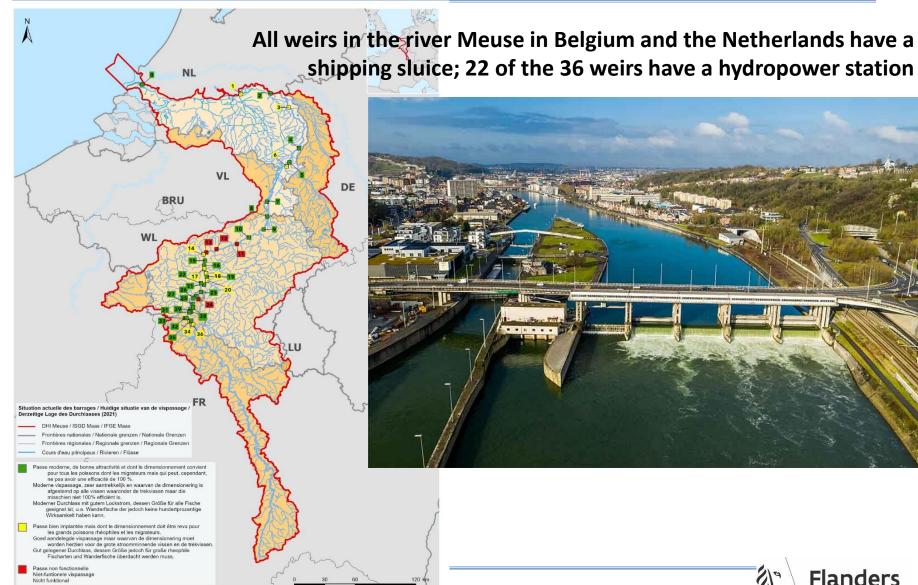












To much for me, let's go to Sweden! Thank you!

