

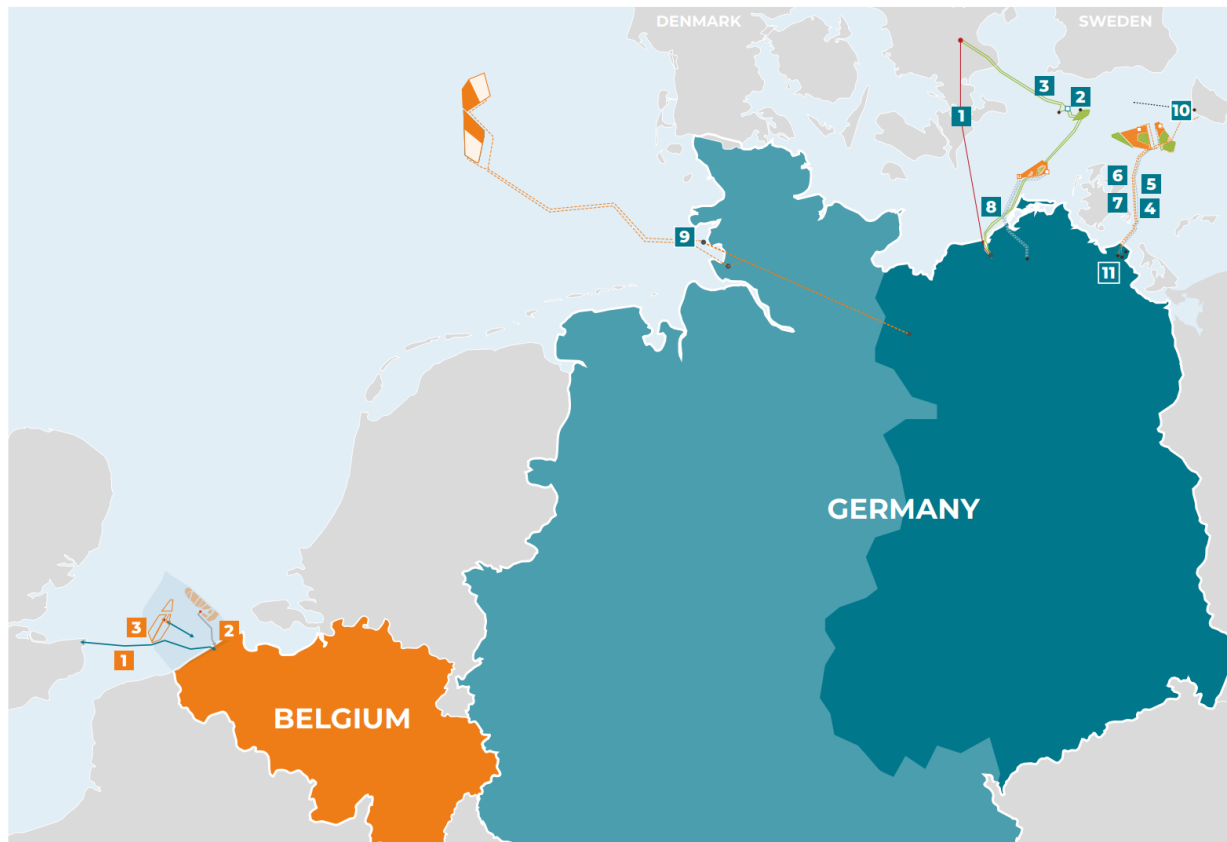
Planning energy infrastructure with space and nature in mind

— The case of offshore wind

- 1.** Onboard spatial and natural conservation aspects in infrastructure planning through a GIS workflow.
- 2.** Cross border cooperation is not only economically efficient - it is also urgently needed for spatial reasons.
- 3.** Data! We need open, consistent and up to date information across Sea Basins for all sectors.

Elia Group is pioneering projects in Baltic Sea and North Sea

Our offshore activities and recent publications



ELIA'S OFFSHORE PROJECTS IN BELGIUM

- 1 NEMO LINK
- 2 MOG
- 3 PRINCESS ELISABETH ISLAND

50HERTZ'S OFFSHORE PROJECTS IN GERMANY

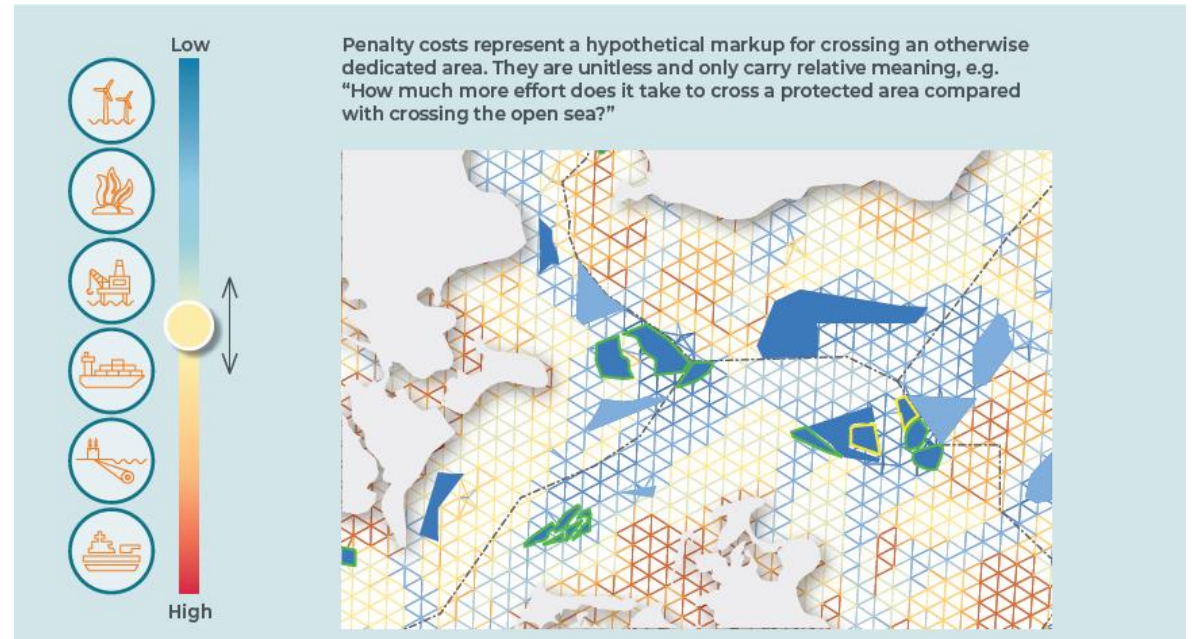
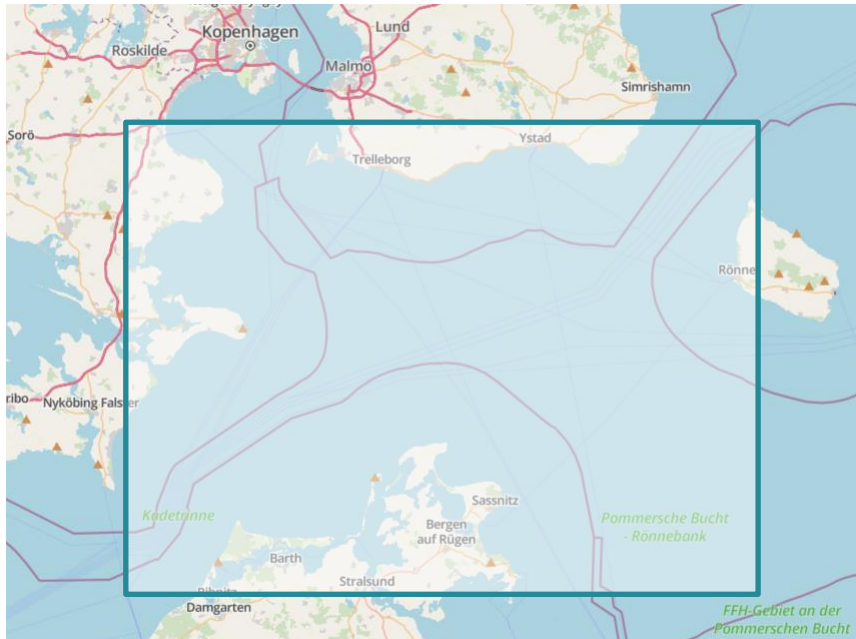
- 1 KONTEK INTERCONNECTOR
- 2 BALTIC 1/BALTIC 2
- 3 KRIEGER'S FLAK - CGS
- 4 OSTWIND 1
- 5 OSTWIND 2
- 6 OSTWIND 3
- 7 OSTWIND 4
- 8 OST-6-1
- 9 NORTH SEA CONNECTOR
- 10 BORNHOLM ENERGY ISLAND
- 11 BALTIC WINDCONNECTOR

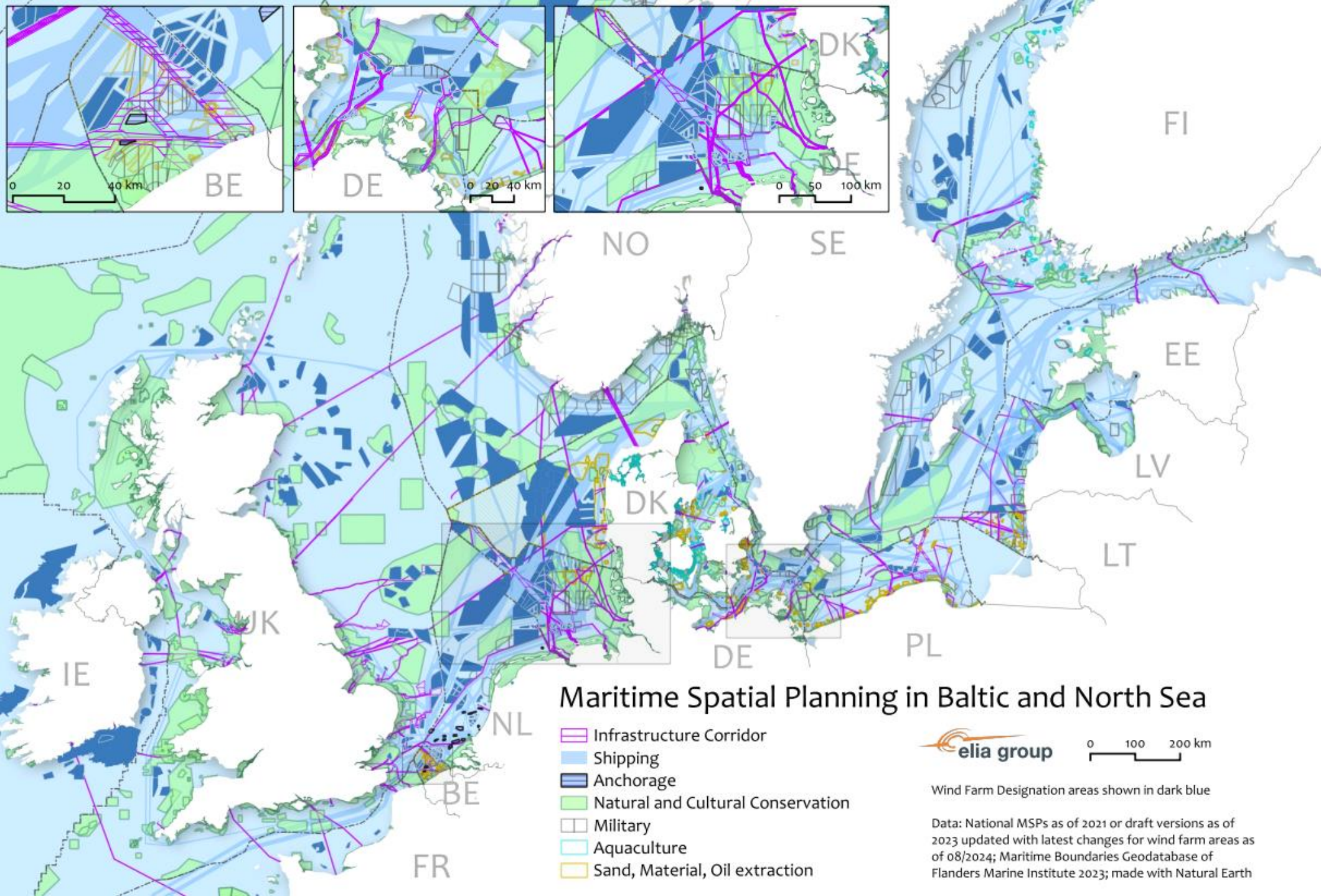
elia.be studies



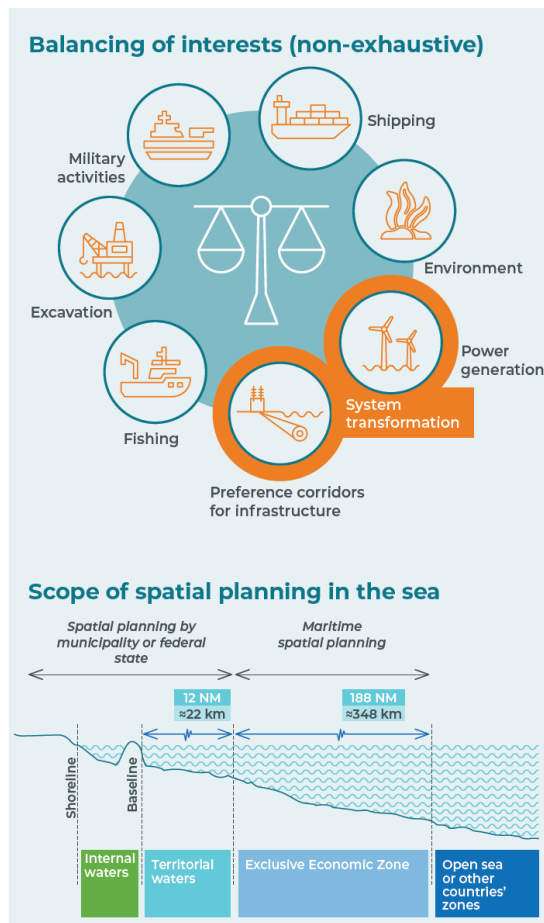
Convert the geographic and planning reality into a searchable graph

And then apply common search methods to find shortest paths

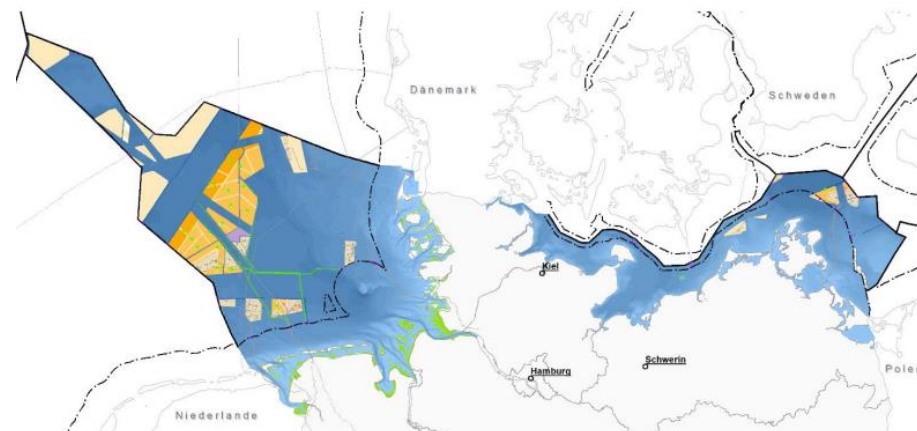
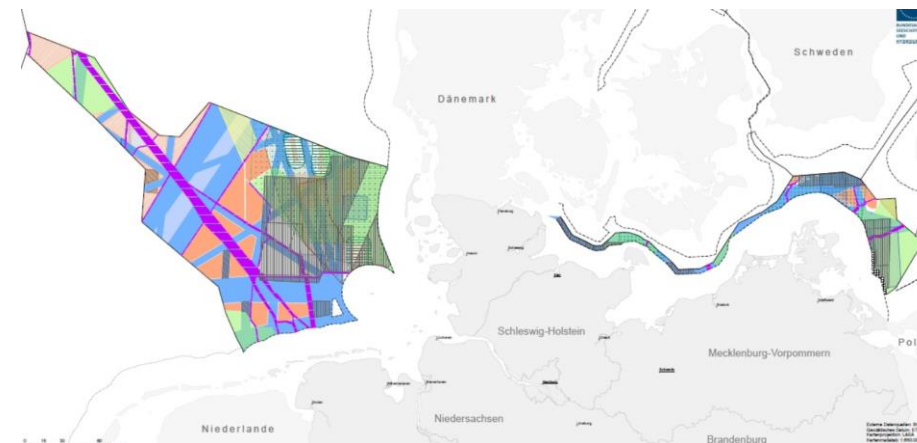




Maritime Spatial Planning is the basis for all offshore wind development



- Example Germany: MSP is split into two products:
 - “Raumordnungsplan”
Spatial plan (all activities)
 - “Flächenentwicklungsplan”
Site development plan (infrastructure)



Going like the wind

Our 2024 Viewpoint Study on the future of offshore wind in Europe



<https://www.elia.be/goinglikethewind>

