



Baltic
InteGrid

Integrated Baltic Offshore
Wind Electricity Grid Development

Practical perspectives: The Baltic InteGrid Pre-feasibility Studies

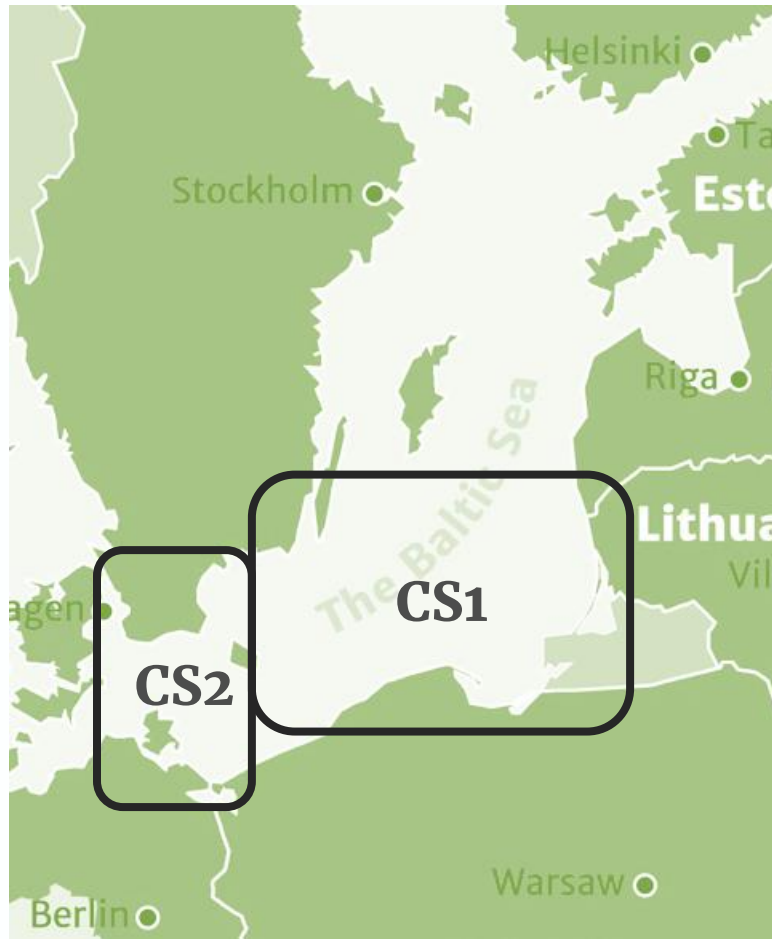
Klaipeda, November 23th

Mariusz Wójcik, FNEZ

July 4 2017
Berlin

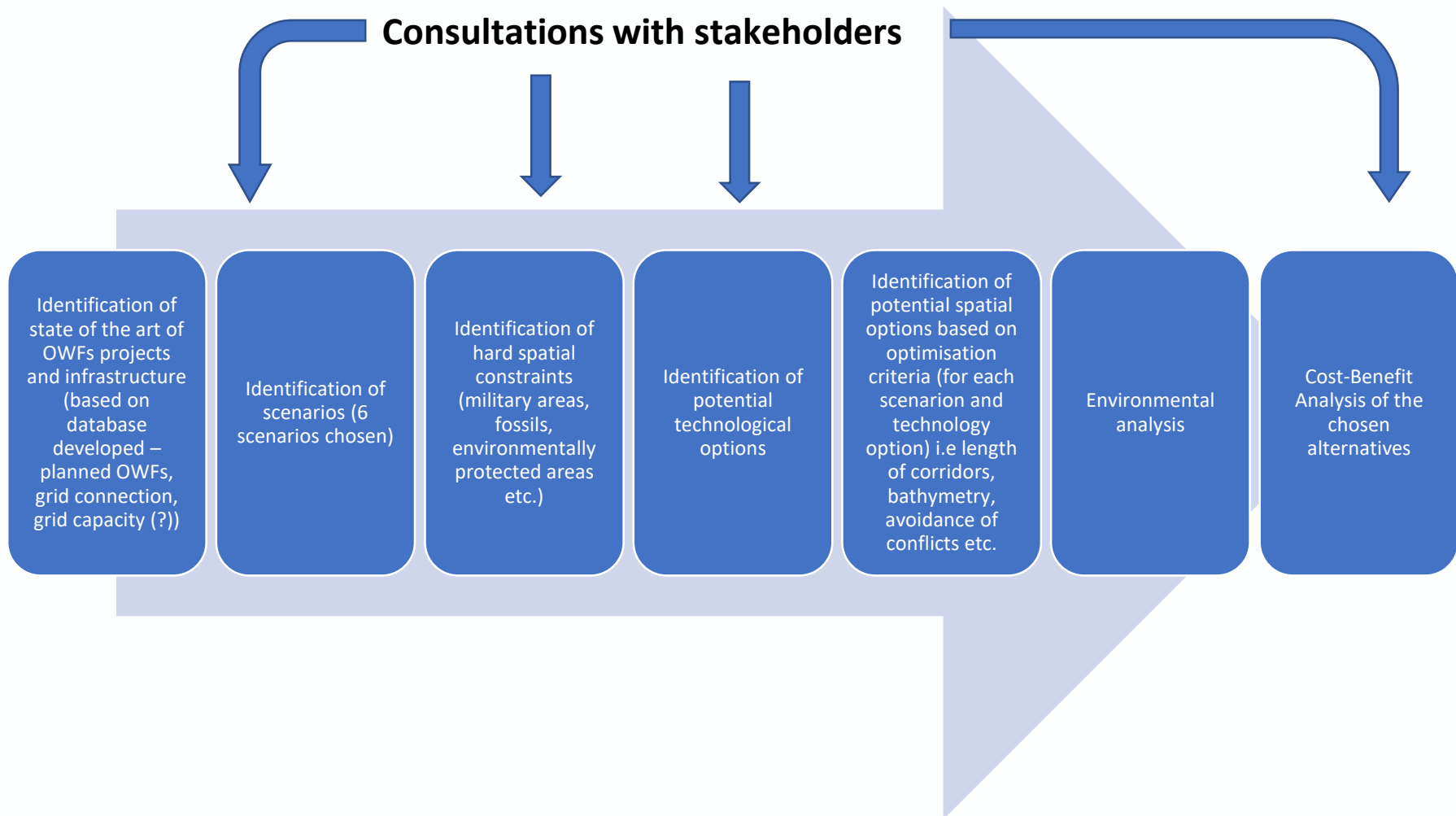


EUROPEAN
REGIONAL
DEVELOPMENT
FUND



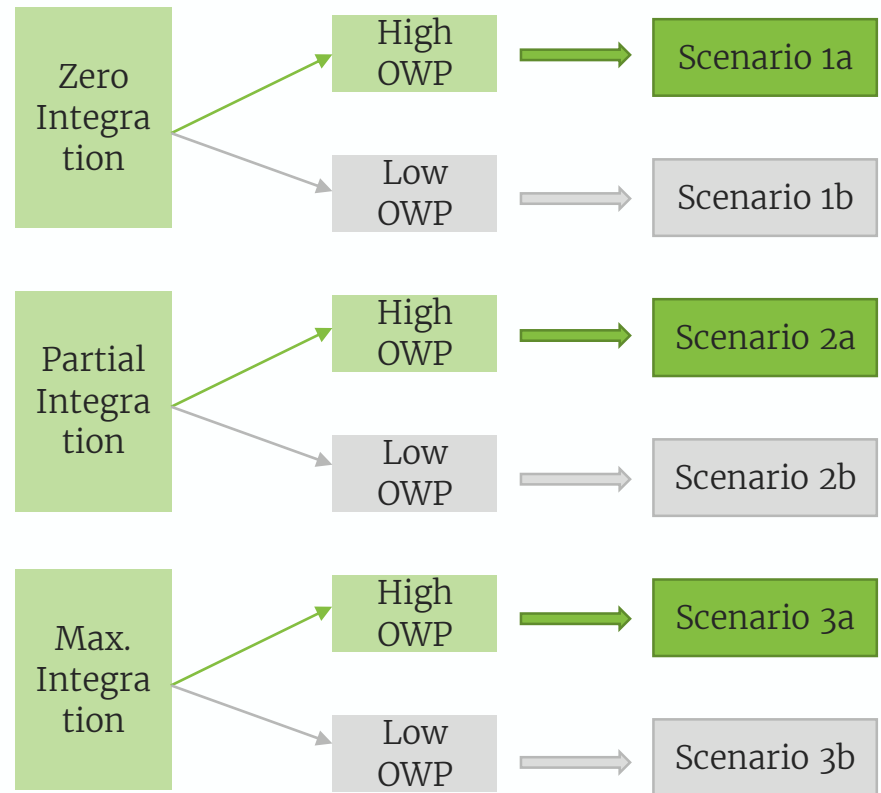
Why Pre-feasibility study?

Pre-feasibility study is based on **scenarios**



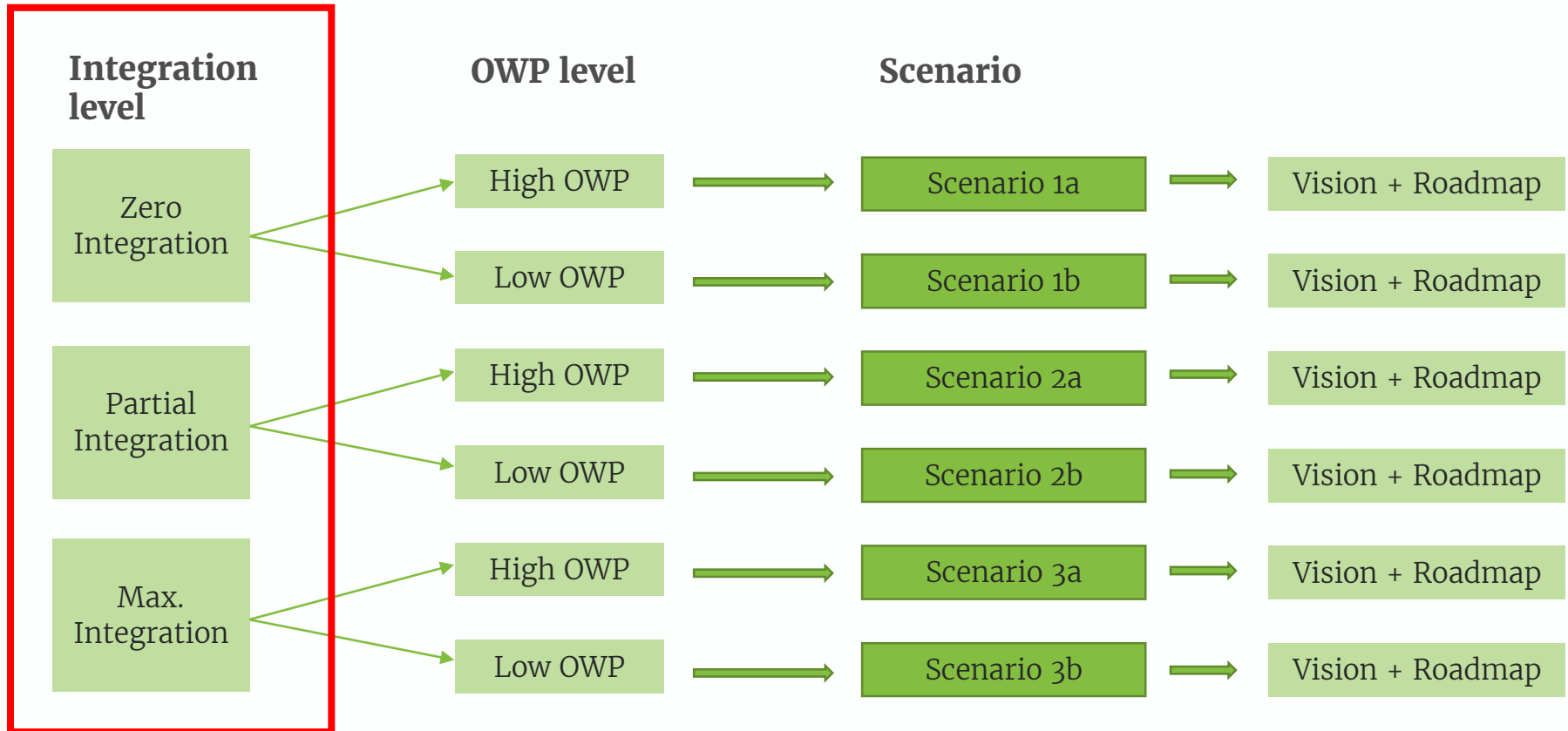
Outline

- Scenario structure
- High & Low OWP development
- Scenario layouts 1a and 3a
 - Draft layouts vs
 - GIS layouts
- Comparison 1a & 3a
- Scenario layout 2a
 - Draft layouts vs
 - GIS layout



What variables are changed between the scenarios?

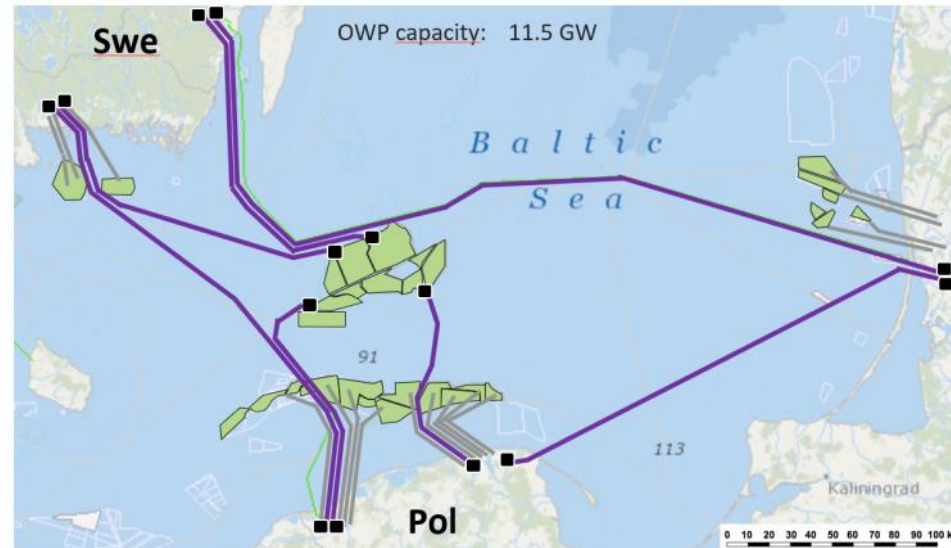
Scenarios



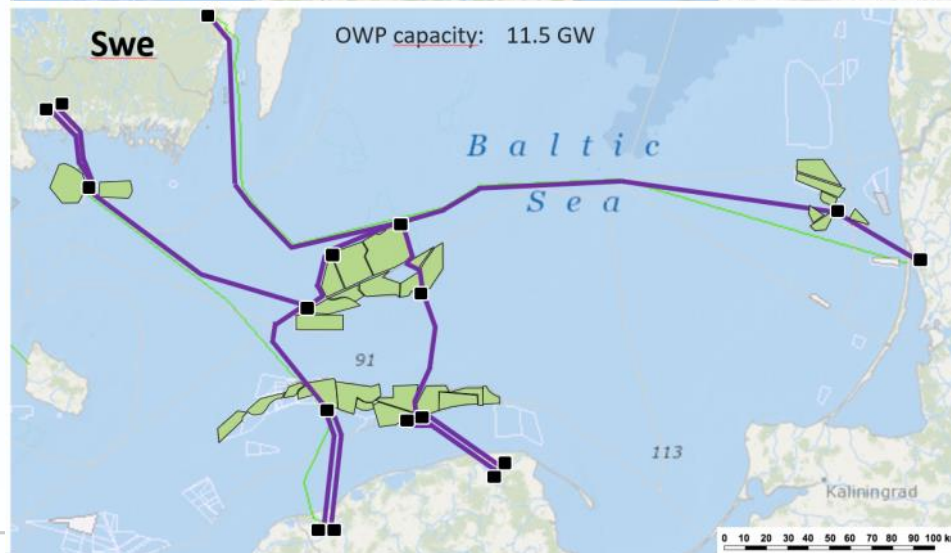
Scenarios

Integration level

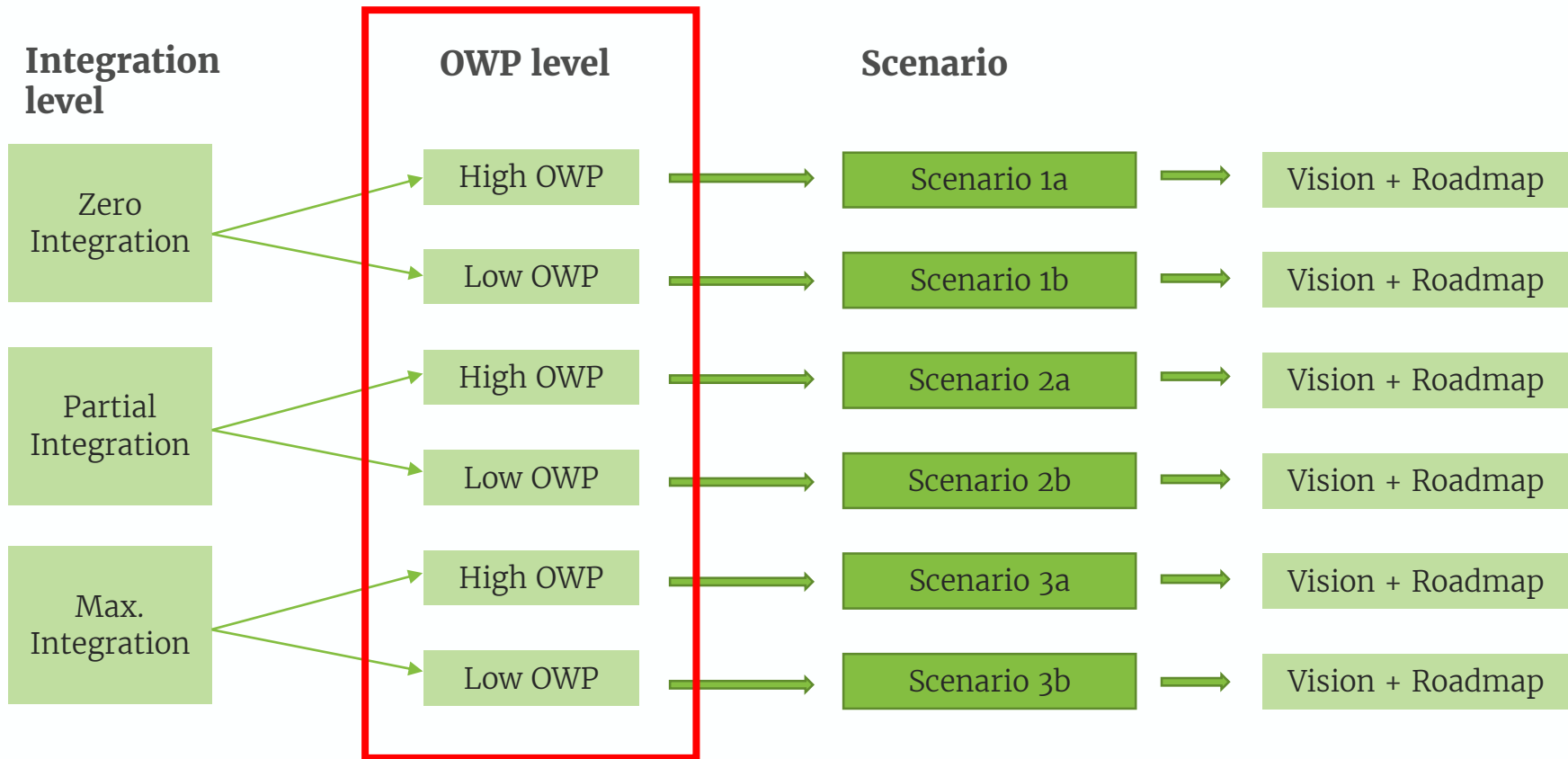
Zero
Integration



Max.
Integration

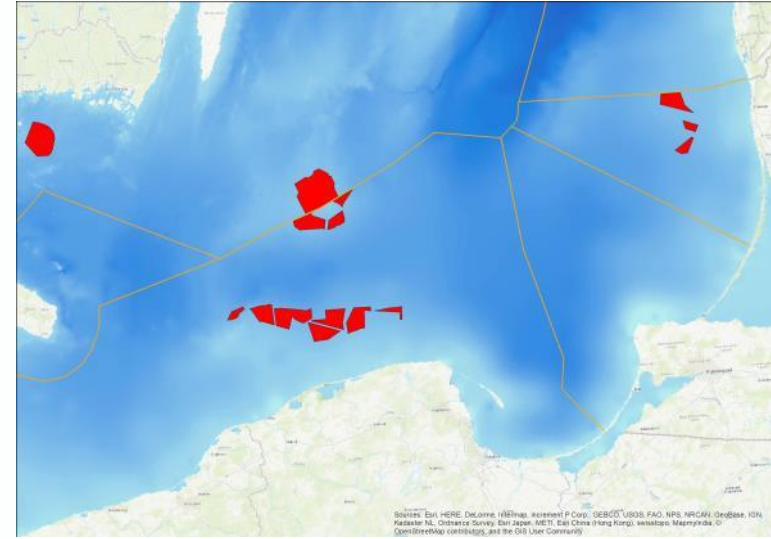
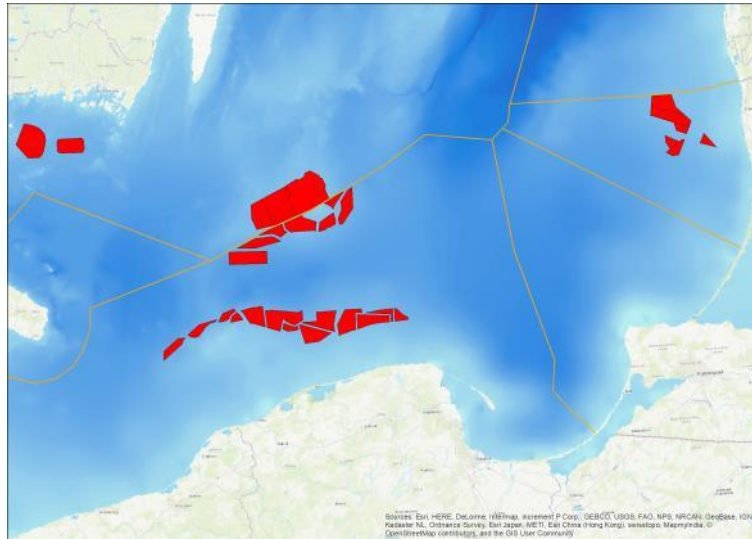
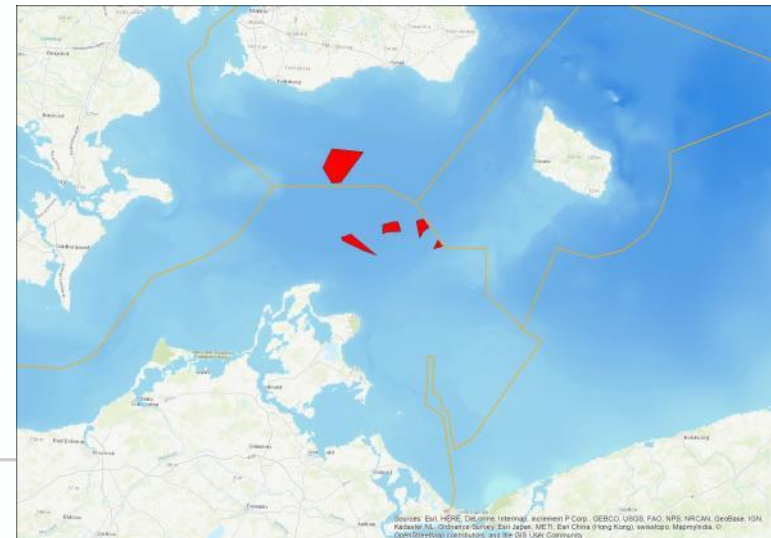
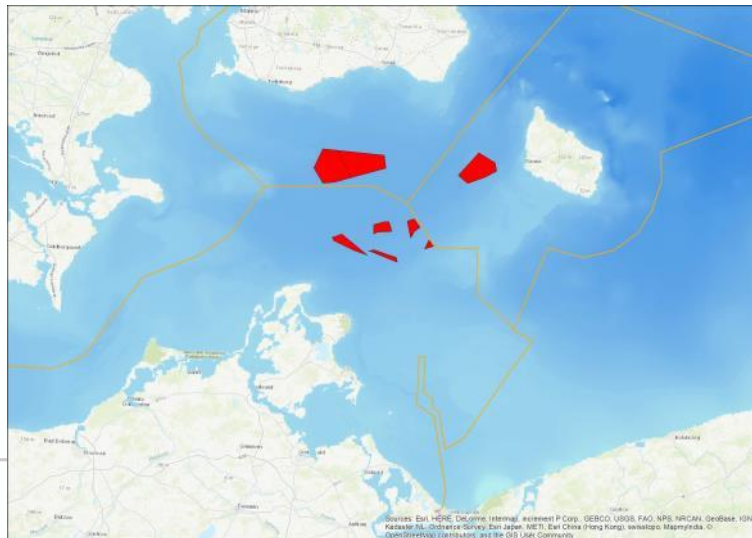


Scenarios

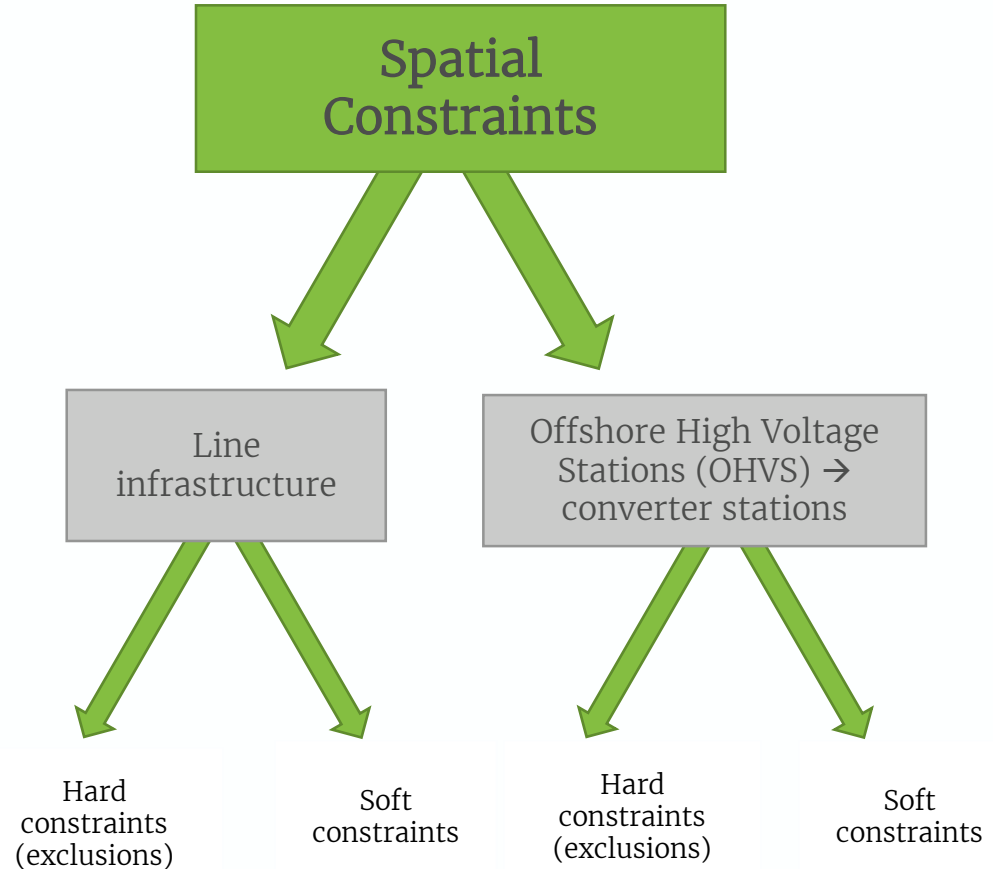


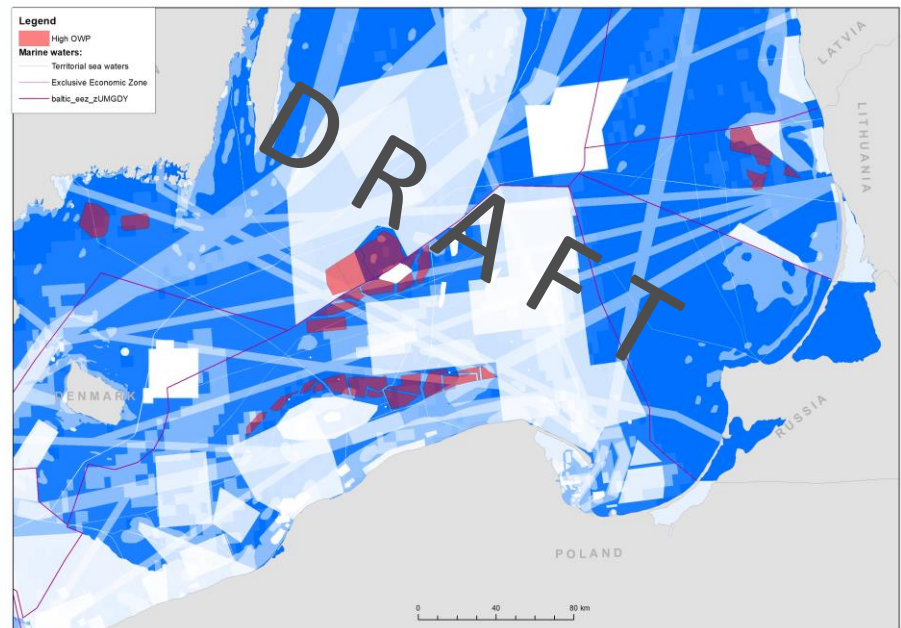
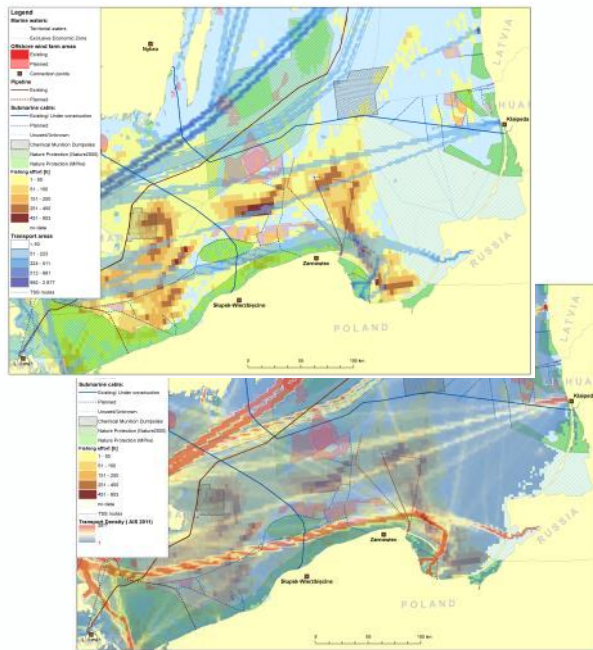
High OWP – 2045

Low OWP – 2045

CS1**CS2**

Sector	Uses
Energy	Offshore wind farm areas
	Existing constructions (platforms, turbines, platform not only for energy)
Linear infrastructure	Linear infrastructure (cables, pipelines)
	Inactive Cable
Navigation	Navigational routes/ navigation lines
	TSS
	Dumping sites
	Anchorage areas
Navy	Munition Dumps/chemical weapon areas
	Navy exercise areas - closed zones
	Navy exercise areas
Geology/mining	Licence for aggregate extraction
	Licence for hydrocarbons exploration
	Licence for hydrocarbons extraction
Fishery	Fish Value for Trawls - VMS
	Spawning and nursery areas
Nature protecton	Special Areas of Conservation (SAC) Natura 2000 (Habitats)
	Special Protection Areas (SPA)
	MPA's
	National parks
Underwater Culture Heritage	Wrecks without historical value
	Wrecks with historical value, underwater cemeteries
	Cultural heritage areas (underwater landscape parks etc)
Oceanographic	Deep water (over 70m)
	Rocks Seabed





No constraints

High constraints

