

Ministry of Environmental Protection and Regional Development Republic of Latvia

Latvian experiences working with input data for Latvian MSP

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25th March 2021

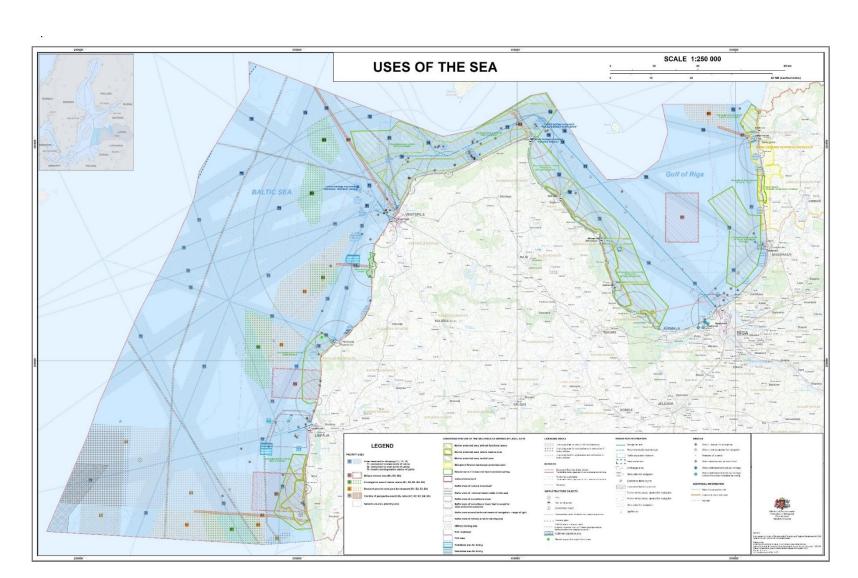


Latvian MSP

- ✓ Coverage all Latvian marine waters
- ✓ Timeframe up to 2030

- ✓ Use of best available data sources:
 - 1. National data
 - 2. Transnational data and cooperation project data
 - 3. Still there are data gaps

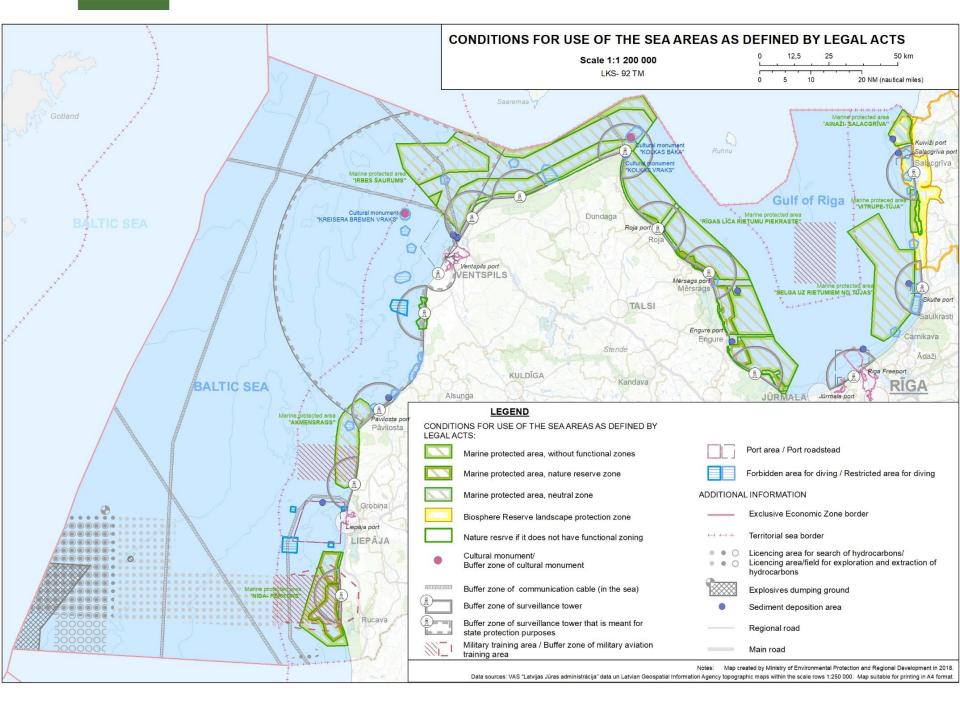
Latvian MSP

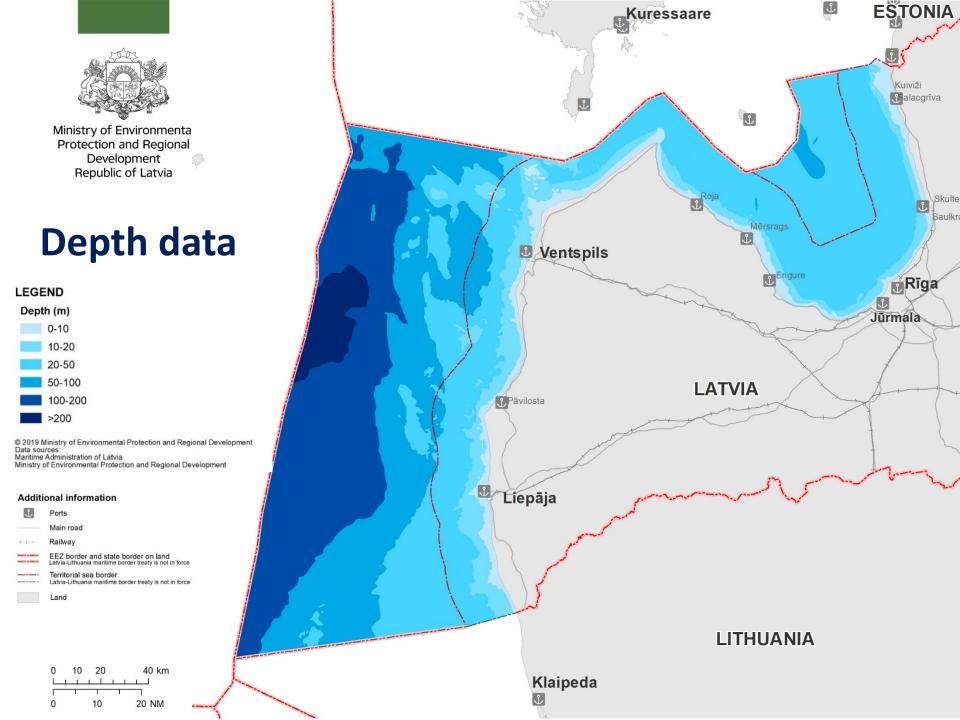




National data sets used

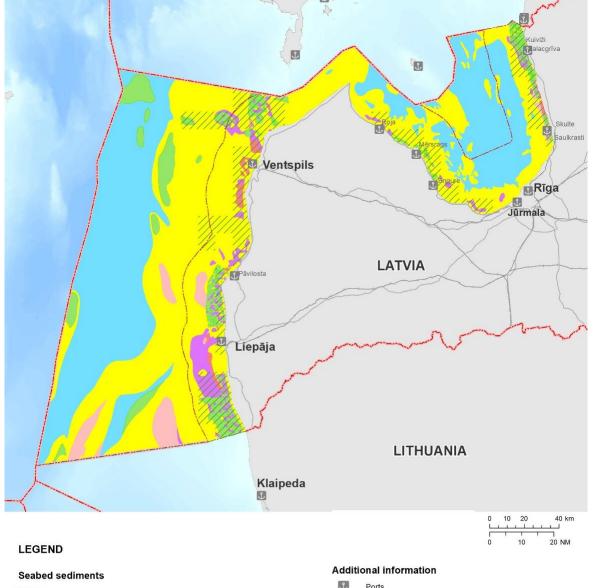
- ✓ Conditions for sea use set in legislation, including defense interests
- ✓ Depth of marine waters
- ✓ Seabed sediment data
- ✓ Ecosystem services data
- ✓ Fish spawning & catch data
- ✓ Coastal and marine tourism data
- ✓ Proposals for offshore wind farm (OWF) licensing areas
- ✓ Energy transmission infrastructure (on land)
- ✓ etc.

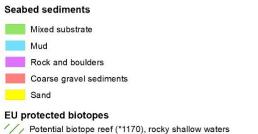




Seabed sediment data

+ potential protected biotope data

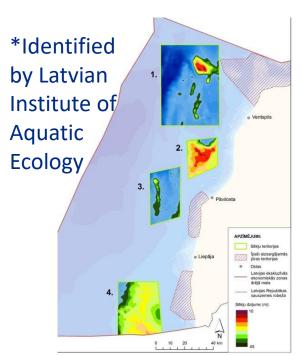


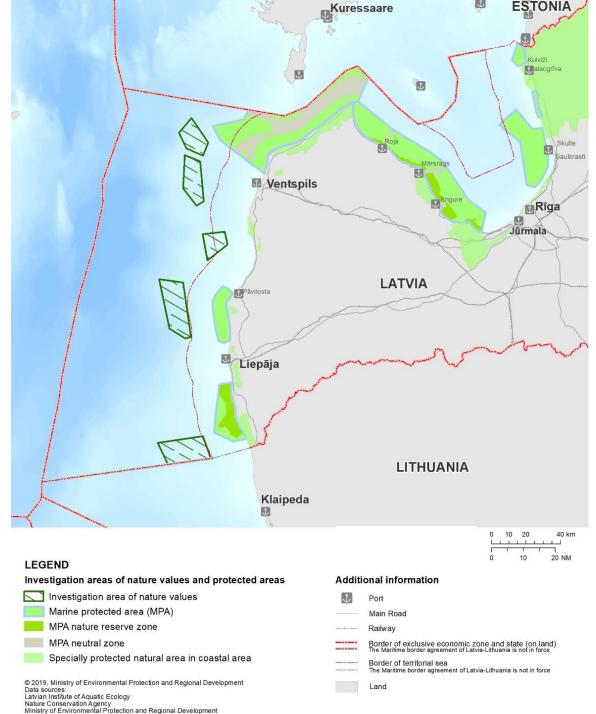




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Nature conservation areas and possible valuable nature asset areas*





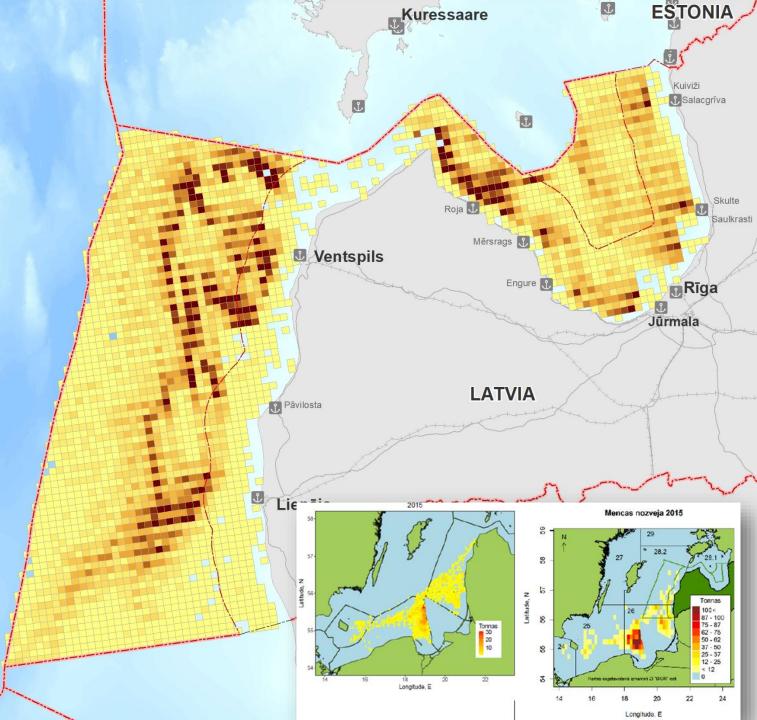


Fishing effort

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Total catch 2004-2013

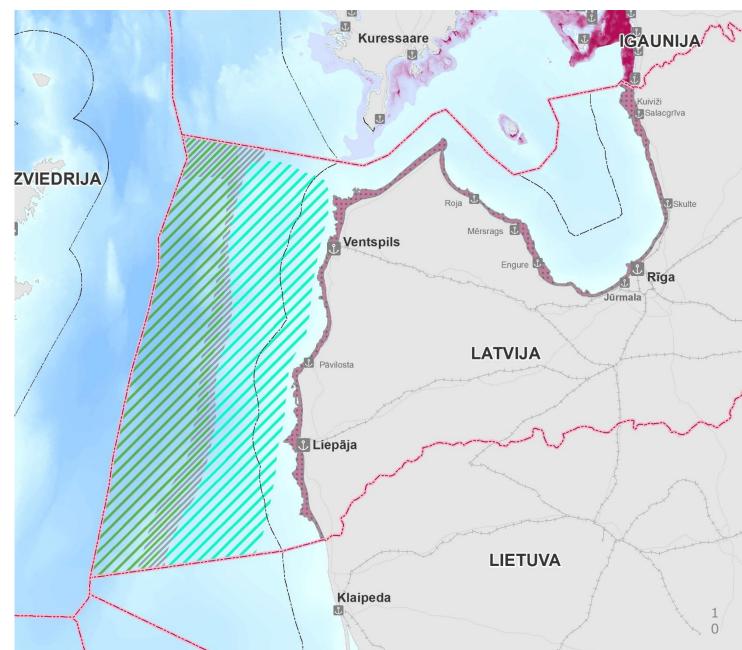
tonnes



Fish spawning and nursery areas*



Fish species:
Cod
Flounder
Sprat
Herring



*Map includes Estonian data

Tourism



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Coastal activities important for tourism

- * Kiteboarding and windsurfing
- Marine kayaking, boating
- Fishing at the seashore
- Diving
- Sea related events

Links important for marine tourism

- Yachting route
- Important ferry/cruise vessel shipping direction

Facilities important for tourism

Resort

Bathing site

"Blue flag" bathing site (2016)

- 4 Jahtklubs
- Blue flag Yacht port (2016)
- Port important for cruise tourism and ferry traffic
- Airport
- Coastal complex development site
 - Most visited beaches (2015)

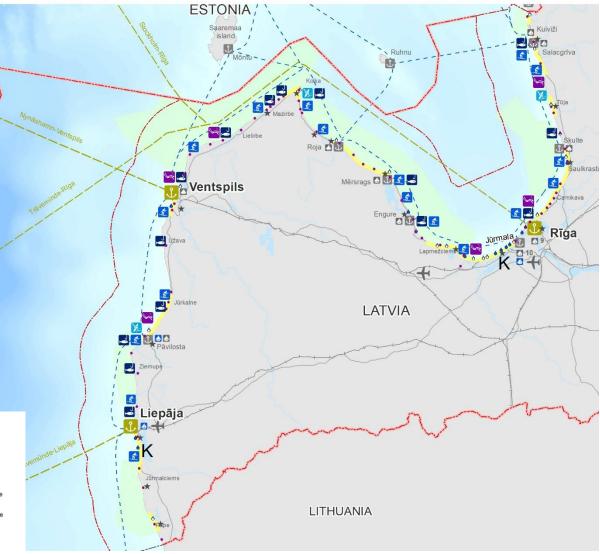
Additional information



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Marine protected area

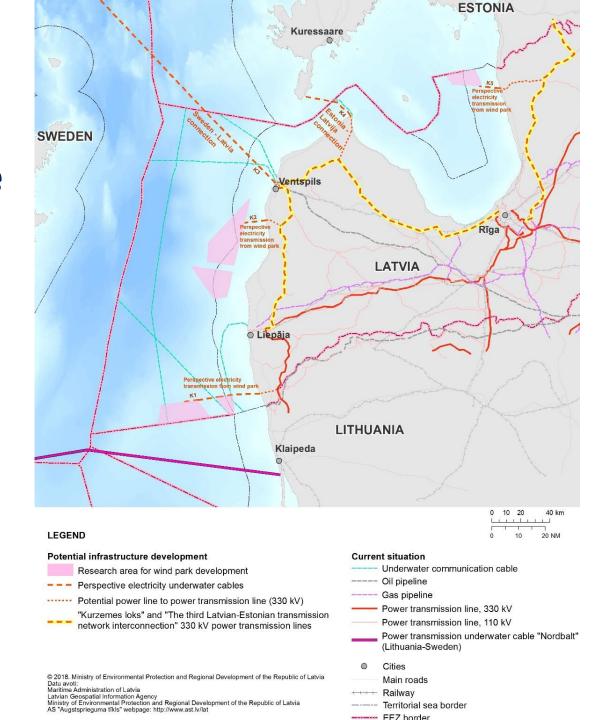
Dr. geogr. Andris Klepers / SIA "Nocticus" Ministry of Environmental Protection and Regional Development



Development of power grid infrastructure

-onshore grid

-offshore grid (connections to wind park zones and transmission corridors)



Transnational data and data derived from cooperation in EU projects and beyond









http://www.balticscope.eu/events/maps/

http://www.panbalticscope.eu/results/reports/



Transnational data sets used

- ✓ Shipping intensity (AIS) data
- ✓ Wind speed modelled data
- ✓ Fish spawning and fishing data
- ✓ Neigbouring MSP data (including MSP draft versions)
- ✓ etc.

Shipping in **Baltic proper** (HELCOM AIS, 2016)

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Major shipping directions

- Shipping directions in Latvian marine waters
 - Continuation of shipping directions in Swedish marine waters

Shipping intensity

AIS data 2016 (HELCOM)



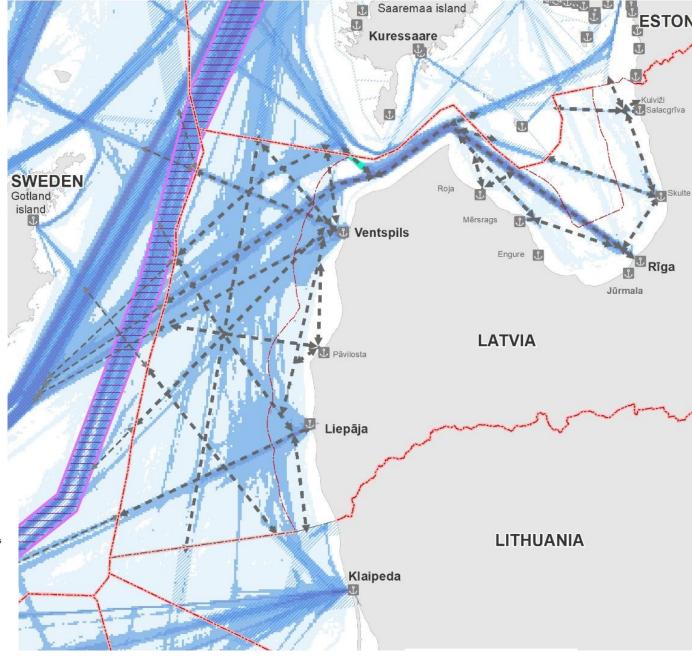
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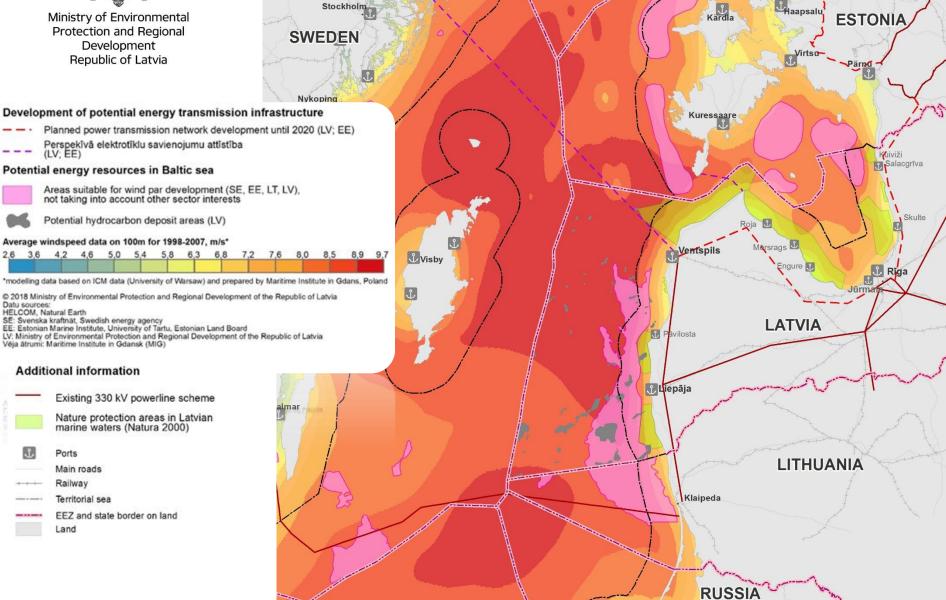
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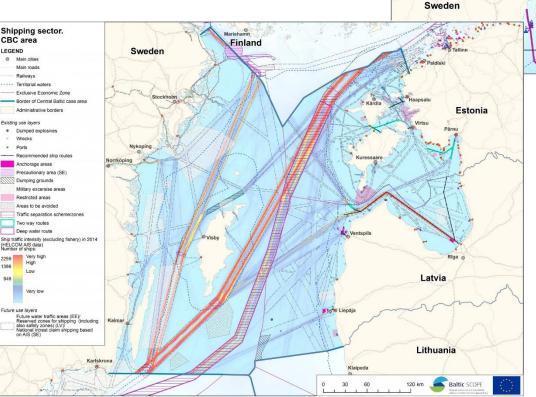




Modelled offshore wind speed data for wind park development



Joint mapping excersise in **Central Baltic** area (2016) for shipping and energy



Energy sector. CBC area

Exclusive Economic Zone

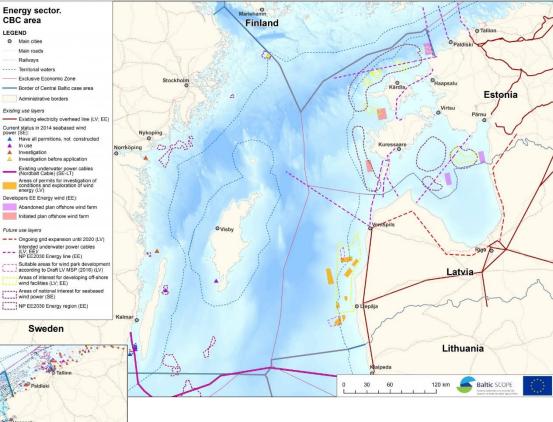
Administrative borders Existing use layers

Developers EE Energy wind (EE)

wind facilities (LV; EE)

In use Investigation

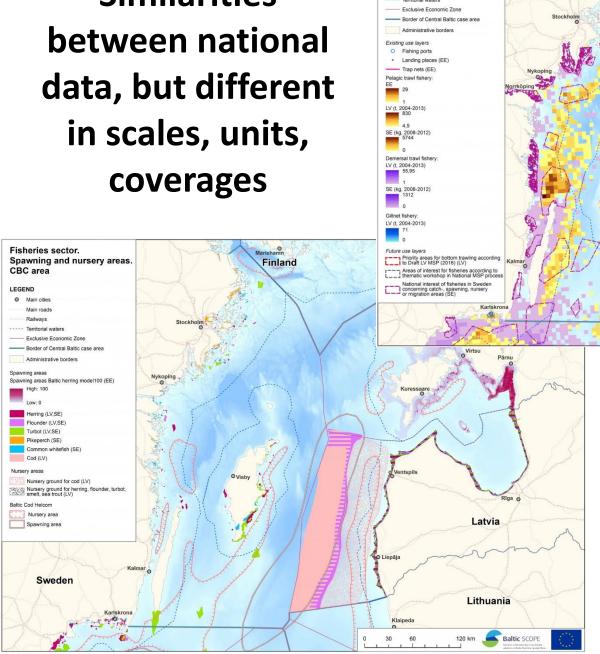
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Similarities in scales, units,



Fisheries sector. **CBC** area

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Finland

Sweden



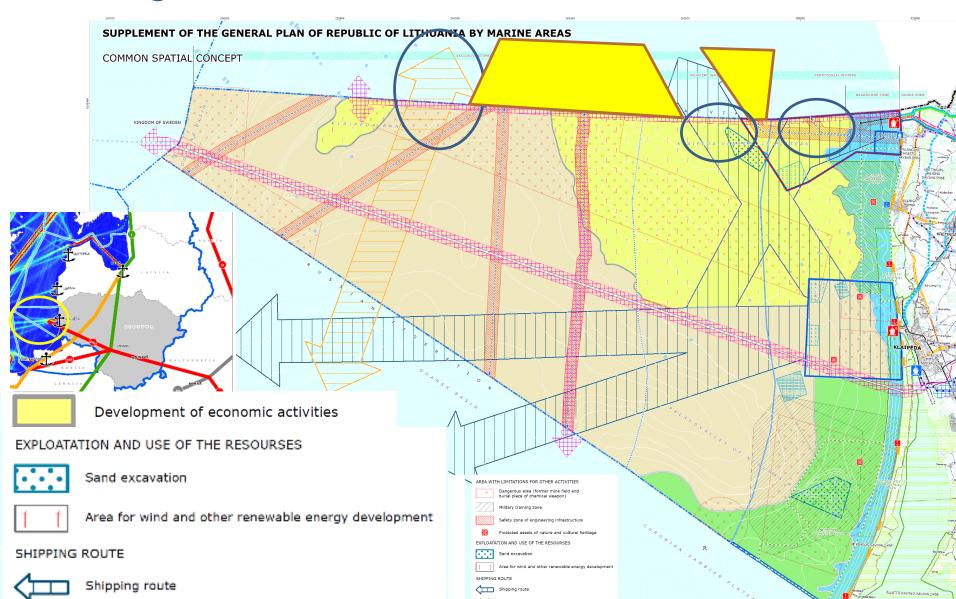
Estonia

Neigbouring MSP of Lithuania





OWF areas







GAPS in available data

Nature related data:

- Factual (assessed) biotope data
- Areas important for seals
- Bird migration data
- Ecosystem services data etc.

Data for Blue Economy:

- Areas appropriate and safe for fish aquaculture development
- Wave energy potential
- Wind speed measurements offshore



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Thank you for your attention!

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More information on Latvian MSP available on: https://www.varam.gov.lv/en/maritime-spatial-planning