Input data needs offshore electricity grid developments

Priit Heinla

Elering AS, Offshore grid development manager

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Baltic Offshore Grid Initiative

- Baltic InteGrid 2016-2019
- Study on Baltic offshore wind energy cooperation under BEMIP 2019
- EU Offshore Wind Strategy 2020
- Political Declaration on Offshore Energy cooperation between Baltic Sea Countries – **MoU signed 2020**
- Baltic Sea Offshore Grid Initiative to conduct pre-feasibility studies for a joint offshore power network – **MoU signed 2020**
- Next TYNDP 2022 (not single project based but integral part of Baltic Sea region power system)

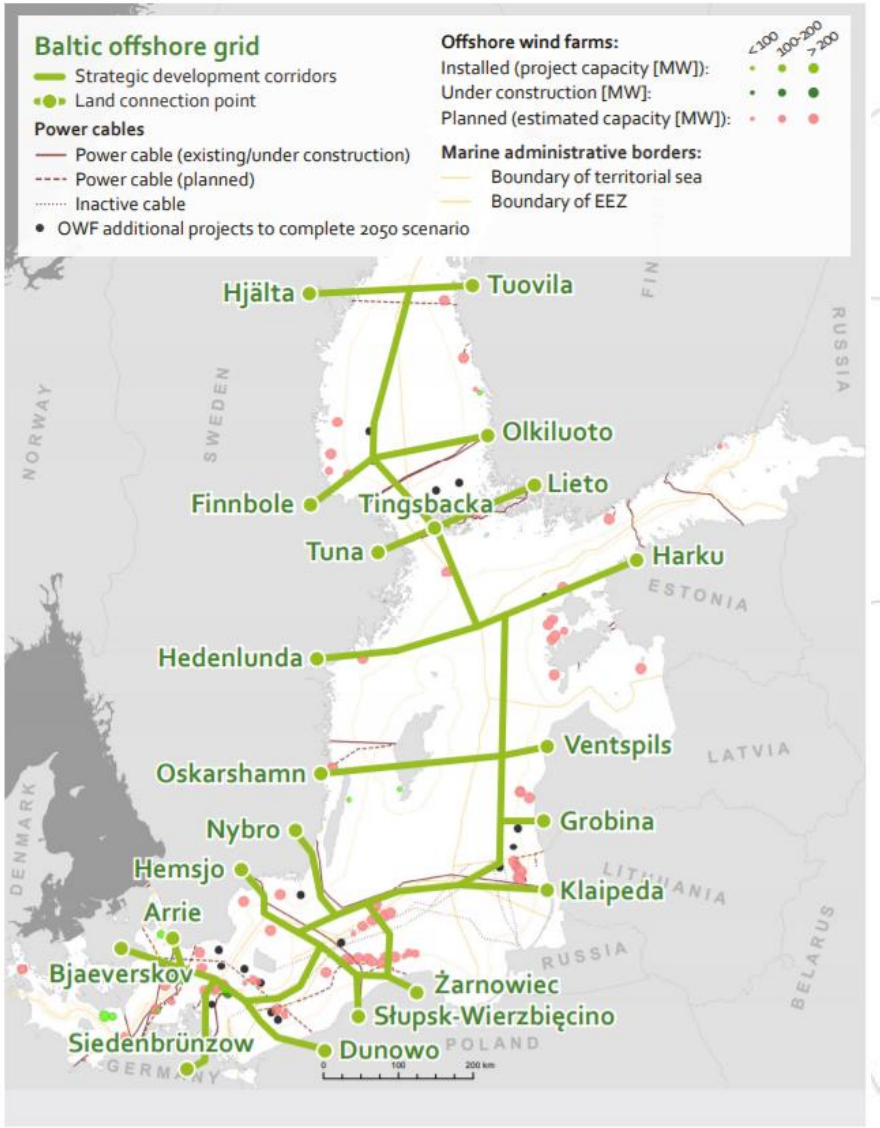

Figure 22. The Baltic Offshore Grid (BOG 2050) concept.
Source: Baltic InteGrid | Image: MIG

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ÜHENDAME ENERGIAD

Parties of the MoU, members of the Coordination Group

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Vice President of Strategic Planning

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Dr. Lorenz Müller
Head Of Regulatory Affairs

Litgrid AB
Mr. Liutauras Varanavicius
Strategy department director

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Mr. Priit Heinla
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Estimated timeline

I) 2021

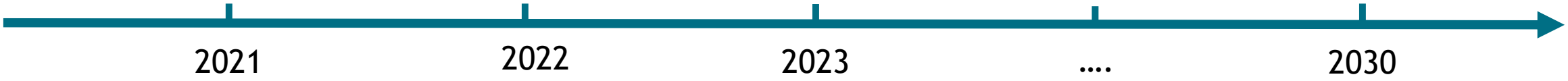
- Set up the Coordination Group (CoG)
- Develop the scope
- Start studies and investigate needs
- Identify possible cooperation projects
- Input to TYNDP 2022

II) 2022 - 2023:

- Complete studies Under CoG
- Common vision of offshore grid
- Input to sea basin specific development plan

III) 2023 - 2030:

- Grid developement according to joint studies and evaluations
- Subsequent planning of grid
- Inclusion of offshore grid in subsequent TYNDP-s



Input data needs offshore electricity grid developments

Maritime spatial planning is a major input to the offshore grid as the grid is very connected to the **production areas** and thus with **Maritime Spatial Plannings**.

The BASEMAPS (helcom.fi) can be a very helpful tool, but it does not include data from all MSP-s.

Technical input

- For usage services based on OGC standard (WMS, WFS, WMTS) are needed.
- HTTP -> HTTPS, at the moment some data does not transfer to map that is being developed.
- Läänemere merealade planeerimine (arcgis.com)

Thank you!

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