





The Baltic InteGrid: Activities and results

German Country Workshop | Baltic Offshore Grid Forum | 26 September 2018



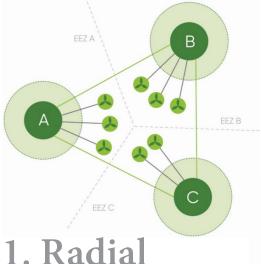


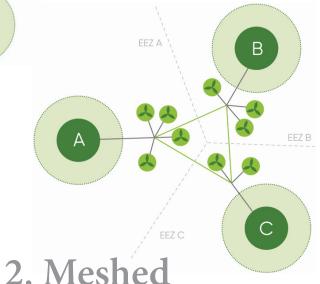




Meshed offshore grid

- High initial investment
- Complex regulatory, legal,
 market and policy obstacles
- + Annual savings compensate
- + Resilience for operators
- + RES & market integration
- + Coordination has already begun











- Network & conference platform
- Interdisciplinary research
- ► In-depth perspective on 2 cases









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The Baltic Offshore Grid Forum

12

6

4

Thematic Working Groups

- 1. Policy & regulation (2)
- 2. Market & supply (2)
- 3. Technology & grid (2)
- 4. Environment & society (2)
- 5. Spatial planning (2)
- 6. Cost-benefit analysis (2)

Country workshop

- Latvia
- Poland
- Finland
- Lithuania
- Germany

Key events

- Kick-off conference
- First results conference
- PL-SE-LT case study
- Final conference

- Disciplinary in scope
- Focus: Region-wide

- Interdisciplinary in scope
- Focus: national

- Interdisciplinary
- Focus: Region-wide







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The Baltic Offshore Grid Concept

Interdisciplinary focus

- 1. Policy & regulation:
- 2. Market & supply:
- 3. Technology & grid:
- 4. Environment & society:
- 5. Spatial planning:
- 6. Cost-benefit analysis:

Results

Drivers, obstacles, national and EU

Capital intensive market; SME potential

Tech is ready; DC breakers uncertainty

Impact mitigation necessary

MG requiress less space; multi-usage

Socio-economic benefits; system stability









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Pre-feasibility Studies

1) Poland/Sweden/Lithuania

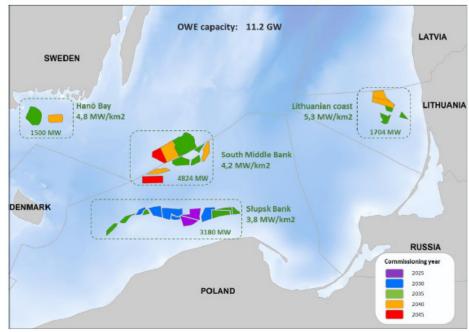


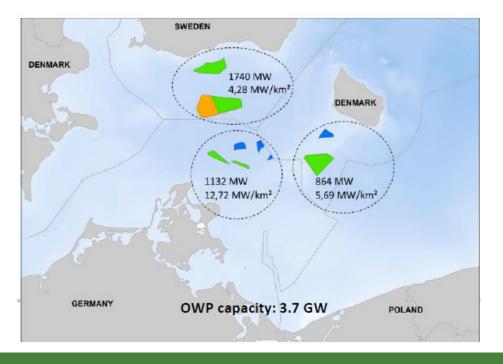
2) Germany/Sweden/Denmark



Various scenarios and connection possibilities Radial connection never shown to be efficient

High OWP - 2045











Recommendations

- 1. Maritime spatial planning
- 2. TYNDP
- 3. Policy and regulation









The partners

14 partners from the 8 EU Member States

- 1. IKEM | Germany
- 2. Foundation for Sustainable Energy | Poland
 - 3. Rostock Business and Technology Development
 - 4. Technical University of Denmark | Denmark
 - 5. Energy Agency for Southeast Sweden | Sweden
 - 6. Deutsche WindGuard | Germany
 - 7. Maritime Institute in Gdansk | Poland
 - 8. Stiftung OFFSHORE-WINDENERGIE | Germany
 - 9. Latvian Association of Local and Regional Governments | Latvia
 - 10 Aalto University | Finland
 - 11. University of Tartu | Estonia
 - 12. Klaipeda University Coastal Research and Planning
 - Institute | Lithuania
- 13. Lund University | Sweden
 - 14. Aarhus University | Denmark









Thank you!

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