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

1. Radial

2. Meshed
Core pillars of the Baltic InteGrid

Baltic Offshore Grid Forum
Baltic Offshore Grid Concept
Pre-feasibility studies

- Network & conference platform
- Interdisciplinary research
- In-depth perspective on 2 cases
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The Baltic Offshore Grid Forum

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)

- Disciplinary in scope
- Focus: Region-wide

Country workshop
- Latvia
- Poland
- Finland
- Lithuania
- Germany

- Interdisciplinary in scope
- Focus: national

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

- Interdisciplinary
- Focus: Region-wide
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- Interdisciplinary research

Pre-feasibility studies
- In-depth perspective on 2 cases
The Baltic Offshore Grid Concept

<table>
<thead>
<tr>
<th>Interdisciplinary focus</th>
<th>Results</th>
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<tbody>
<tr>
<td>1. Policy &amp; regulation:</td>
<td>Drivers, obstacles, national and EU</td>
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<tr>
<td>2. Market &amp; supply:</td>
<td>Capital intensive market; SME potential</td>
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<td>3. Technology &amp; grid:</td>
<td>Tech is ready; DC breakers uncertainty</td>
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<td>4. Environment &amp; society:</td>
<td>Impact mitigation necessary</td>
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<tr>
<td>5. Spatial planning:</td>
<td>MG requiress less space; multi-usage</td>
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<td>6. Cost-benefit analysis:</td>
<td>Socio-economic benefits; system stability</td>
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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
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!

IKEM - Lead Partner of the Baltic InteGrid

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