North Sea Network

Opportunities for Energising deltas

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The Energy Mix around the North Sea

Scotland region
- Oil & Gas
- Offshore wind
- Innovation intensive
- Wave and tidal energy
- Electricity transmission systems

Northern Netherlands
- Gas storage
- Economic feasibility
- Green gas production
- Waste power plants
- Tidal energy
- Blue energy

North West Germany
- Renewables
- Technology Development
- Smart Grids
- Storage Systems

South West Norway
- Hydro and wind power
- Reservoir capacity
- Natural gas

ENCEA

European North Sea Energy Alliance
**Energy System Integration**

**ENSEA Overall Objectives**

- **Provide & analyze information**
  - Provide information on the capabilities, roles and connectivity of participating ENSEA research-driven clusters

- **Develop & implement a Joint Action Plan**
  - Derived from the analyses, imply an interregional strategy for the North Sea
  - Focus: Specific themes relating to Energy Systems Integration for which macro-regional cooperation is required
  - Implement Joint Action Plan

- **Develop North Sea Energy Cluster**
  - Strengthen a network of research-driven energy clusters around the North Sea
  - Promote the utilization of the Energy Systems Integration model as a management tool for a sustainable energy transition
Political Network

• Active participation in the Conference of Peripheral Maritime Regions of Europe (CPRM), North Sea Commission, Wadden Sea Forum and the Benelux.
• Tidal and Wave Energy are priorities

Tools for up scaling: Interreg B North Sea Programme
• Annual Conference in Assen (NL) 16th -17th June 2015