



European Commission perspectives on the development of offshore grids in the Baltic Sea Region

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2030 Framework for climate & energy

A **2030 Framework for climate and energy**, including EU-wide targets and policy objectives for 2020-2030

Targets for 2030:

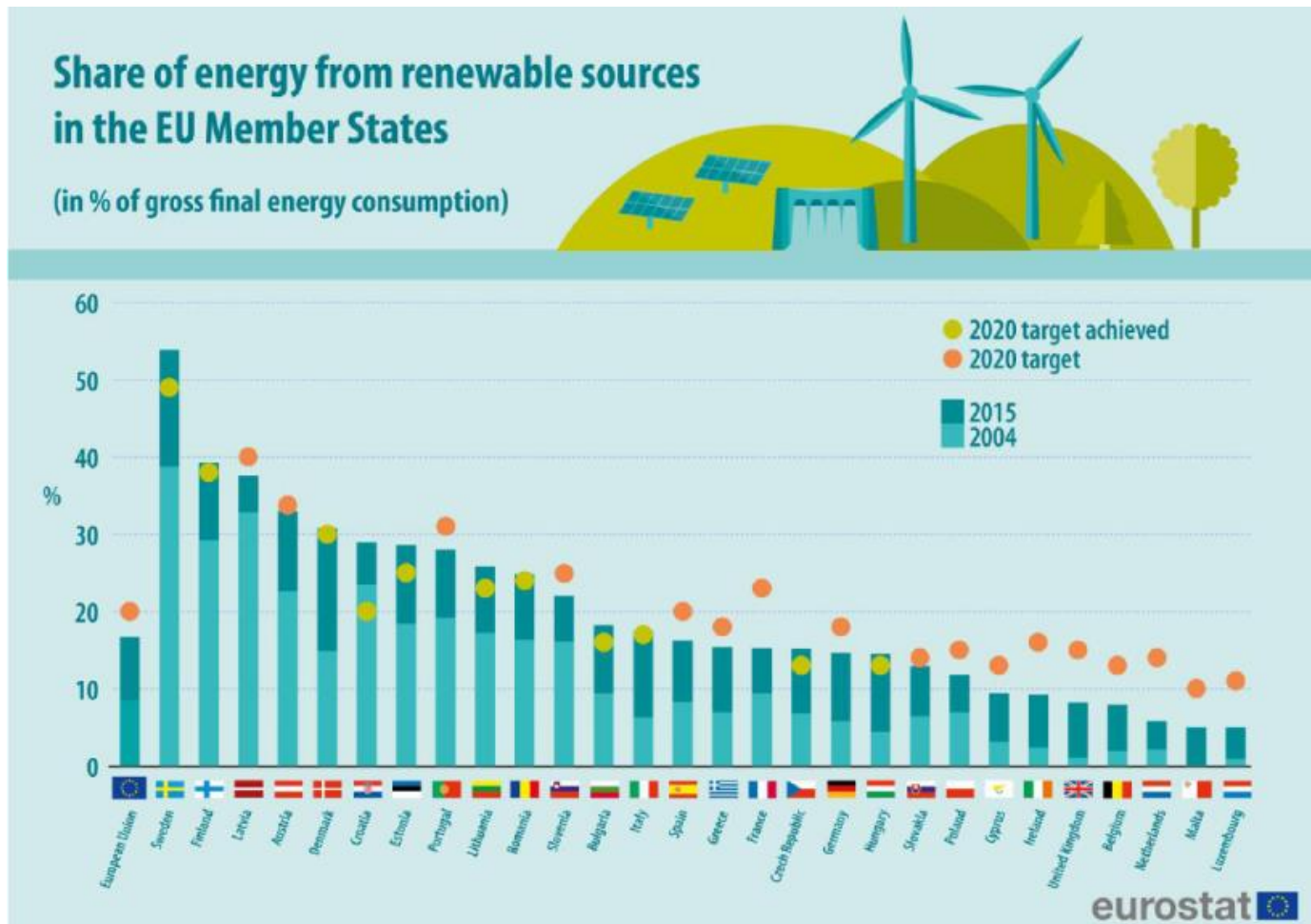
- a 40% cut in greenhouse gas emissions compared to 1990 levels;
- at least a **27% share of renewable energy consumption**;
- at least 27% energy savings compared with the business-as-usual scenario.

➡ a stable policy framework on greenhouse gas emissions, renewables and energy efficiency

➡ more certainty for investors

➡ EU's leadership

Progress towards national RES targets





The Role of BEMIP in addressing energy & climate challenges in the Baltic Sea Region

A **Memorandum of Understanding** on the reinforced 'BEMIP' (June 2015):

- Re-defining and broadening the scope of the initiative;
- Reinforcing the structure of the initiative, including dedicated working groups;
- A new BEMIP Action Plan identifying specific measures, action points and projects to be implemented by 2020.

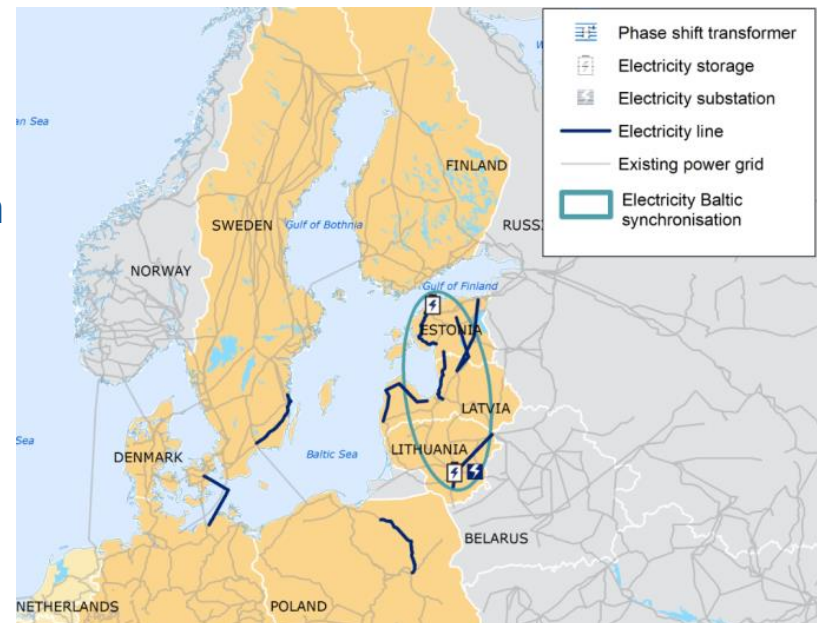
BEMIP now includes: the internal energy market, interconnections and power generation (comprising nuclear energy) and other areas, such as security of supply, energy efficiency and **renewables**.

Challenges, opportunities and solutions in electricity infrastructure

Baltic Energy Market Interconnection Plan (BEMIP)

- Removing bottlenecks and further integrating the Baltic States' markets among themselves
- Enhancing the integration of the Baltic States' into the rest of the EU
- **Integrating renewable energy**

➔ Projects of Common Interest (PCIs) under the TEN-E Regulation



BEMIP Working Group on Renewables

- A common vision and regional renewables pledge for 2030, taking into account the considerable **natural RES potential** in the BEMIP region
- A step-wise cooperation and alignment of certain elements of the **RES support schemes** by 2020
- Enhancing the market design to make a market fit for RES integration, which could act as an effective foundation of the 2030 framework
- Develop the perspectives and design options for possible joint renewable energy projects and cross-border cooperation in the BEMIP region, including on **offshore wind power**

 building a **BEMIP Action Plan for offshore wind**

Study on Offshore Wind in the Baltic Sea

Overall Aim

- Identify the main areas of actions necessary to put in place a **Baltic Sea Offshore Wind Cooperation** initiative
- Best practices and lessons learned from the **NSOG** initiative

Working Packages

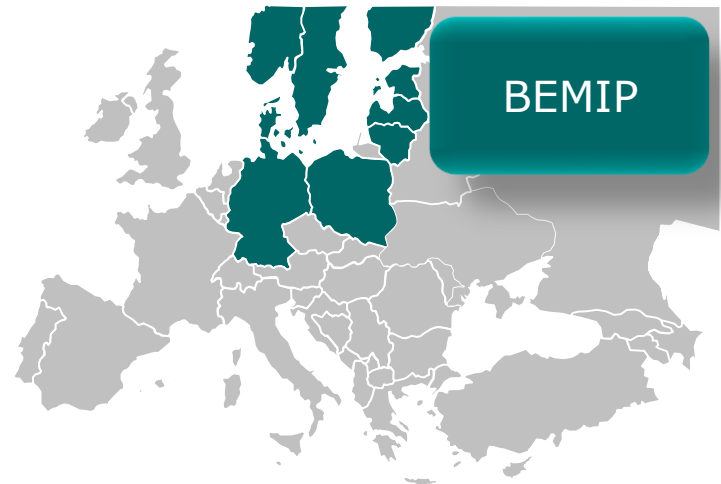
- Identify offshore wind potential & most promising locations
- Identify grid infrastructure needs & optimization within a coordinated approach
- Identify market & regulatory barriers & solutions to overcome them
- Identify non-financial barriers & solutions to overcome them
- Develop a **roadmap** for the Baltic Sea Offshore Wind Cooperation initiative (including potential PCIs)

Timing

- Start : autumn 2017
- Duration of project: 12 month



Thank you for your attention!





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Back-up slides

Energy Union Strategy

- 1. Security, solidarity and trust**
- 2. A competitive and completed internal market**
- 3. Moderation of demand**
- 4. Decarbonisation of the EU energy mix**
- 5. Research and innovation**

Clean Energy for All Europeans

- Measures to keep the EU competitive as **clean energy transition** changes global energy markets;
- Achieving **global leadership in renewable energies**
➡ growth sector of the future;
- Partnership with Member States to monitor progress towards 2030 targets;

Proposals on:

- Electricity Market Design;
- Renewables;
- Energy Efficiency;
- Regulation on the Governance of the Energy Union ➡ Climate Monitoring Mechanism Regulation (MMR) & provisions of the Paris Climate Agreement