



4POWER

NEWSLETTER

4POWER – POLICY AND PUBLIC-PRIVATE PARTNERSHIPS FOR OFFSHORE WIND ENERGY

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Welcome to the 1st issue of the 4POWER Newsletter!

Enjoy reading and stay updated
on www.4-power.eu under construction

Regions power for Offshore Wind

Offshore wind energy (OSW) has enormous potential as a renewable energy source: The European Environment Agency (EEA) has calculated that it is economically feasible to generate over 60 to 70% of the EU's total electricity demand by OSW in 2020. OSW provide opportunities to regions through investment in renewable energy, human resources and business development.

BUT... there is no OSW development without support at regional level (e.g. cables have to land onshore, coastal regions have to be open for OSW market). Mutual relations make mutual benefits!

Sharing knowledge and experience

While the technological advancement in OSW applications is considerable in industry, the uptake in terms of effective policy in Europe's regional and local governments is still patchy.

There are regions which are clear leaders in the exploitation of OSW, and regions with similar ambitions but without the level of experience and/or knowledge to implement OSW in the short term. 4POWER stimulates knowledge exchange between leading regions (Rostock, Dundee, Emden), less advanced regions (Groningen, Rimini) and regions which are still in the stage of orientation (Azores, Malta, Corfu, Latvia) to create a common understanding on current and future regional challenges in OSW development.

Furthermore, the German Offshore Wind Energy Foundation aims to foster collaboration within the participating regions, through its extensive experience and well developed network.

Our goals

The 4POWER partners jointly work on two themes:

- (1) creating an efficient regional policy framework and
- (2) promoting a favourable business and innovation climate aimed at OSW implementation.

The project's findings, including a mini guidebook for regions to prepare for OSW development as well as practical policy recommendations towards EU policy-making level on how to make regions more aware and better equipped to create an EU level playing field for OSW implementation, will be offered to the European Committee of the Regions.

Project kick-off meeting in Rostock

11 partners from 9 EU Member States has met in Rostock on 30-31st May to officially start the 4POWER project. The meeting was held during the Wind and Maritime Event. Partners visited the Baltic 1 offshore wind mill farm – the first commercial German farm at the Baltic Sea.

Community of Practice – 4POWER invites all actors to become part of the European offshore wind community on our project website: get informed and share your knowledge via our blogs and foras!

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Wind farm Baltic 1, Photo: J. Przedzmirska

Facts and Figures from European Regions

The EU top three of Offshore Wind countries:

1. United Kingdom, 2. Denmark, 3. Netherlands*

*source: an investigation of the Dutch ministry of Economic Affairs 'Sectoronderzoek Offshore Windenergie 2011

Germany: some 2,000 MW offshore wind capacity will start construction this year (or has already started), ten times the currently installed capacity in Germany's North and Baltic Sea. Some 15,000 jobs have already been created in the German offshore wind energy sector, according to a new study from PwC/WAB.

Italy: The National Action Plan for Renewable Energy of Italy has defined as OSW energy production target 680 MW – 2,000 GWh in 2020.

Latvia: In 2010 consumption of energy amounted to 57 TWh, and consumption of electricity to 7.46 TWh.

Malta: research on viability of OSW has proven the successful development of a feasible support structure with a depth limit of 70 metres which would enable the possibility of constructing a 350 MW wind farm in the South East Offshore Zone. This can contribute to 16% of the final energy consumption by 2020, which is greater than the total PV potential offered by rooftops of buildings.

Netherlands: In 2010 over 150 companies were directly involved in Offshore Wind in the Netherlands, with an annual turnover of 1 billion and +/- 2,000 direct employees in this sector.

Poland: 6 GW by 2030 it is a realistic potential of Polish future offshore wind farms (none exists so far), this would be equal to 6,000 jobs during construction and 1,500 jobs in maintenance!

United Kingdom: over the next 20 years the government plans to achieve a 10-fold increase in wind energy generation as part of legally binding European targets for renewable energy. Scotland is aiming to produce 100% of electricity from renewables by 2020 to which offshore wind is expected to make the greatest contribution.



German Offshore Wind Energy Foundation

took part in

WAB WINDFORCE 2012

On 26-29 June 2012 the German Offshore Wind Energy Foundation took part in Germany's first trade show for the offshore wind sector, Windforce 2012 (Bremen). According to the organiser WAB, some 6.000 delegates visited the exhibition and/or conference. There were more than 260 exhibitors and 50 speakers. On the fourth day, the tradeshow was open to the public. In two years, the organisers expect the event to be twice as big.

On its exhibition stand, the German Offshore Wind Energy Foundation promoted the EU-projects South Baltic OFF.E.R and 4POWER. Visitors had got the opportunity to learn more about offshore wind energy, the projects and its activities while exploring the stand of the Foundation.

At the conference, the main hot topic discussed was grid connection needed for offshore wind to grow in Germany. Recently, grid operator Tennet informed developers of some of the most developed offshore wind farm projects that some grid connections would be severely delayed. Some of these developers have already begun construction. The German Offshore Wind Energy Foundation is seeking a short-term solution with the government to overcome this bottleneck situation.

Next year, Windforce will be held as a conference only in Bremerhaven, without a tradeshow. In 2014, WINDFORCE 2014 is going to be held again as conference and trade show in Bremen. More speakers and exhibitors are also expected to come from China and the US. This year, most of the attendees came from Germany, Scandinavia, the UK, and Benelux.

