



Monthly TPWind Newsletter
February 2012

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If you have any **feedback or questions** about the newsletter, or to **unsubscribe**, please contact Manuela Conconi (manuela.conconi@ewea.org, +32 2 2131813).

Past TPWind newsletters are available here: <http://windplatform.eu/?id=138>.

Section 1 – Funding opportunities

Intelligent Energy Europe

Call deadline: 8 May 2012 (except for the BUILD UP Skills Initiative which has different deadlines: please [click here](#) for more details).

The 2012 IEE call for proposals of the intelligent Energy Europe programme (IEE) was launched on 20 December 2011 and will close on 8 May 2012.

The objective of the Intelligent Energy - Europe II Programme (“IEE II”) is to contribute to secure, sustainable and competitively priced energy for Europe, by:

- Fostering energy efficiency and the rational use of energy resources;
- Promoting new and renewable energy sources and supporting energy diversification;
- Promoting energy efficiency and the use of new and renewable energy sources in transport.

The Programme in particular contributes to the EU Energy 2020 Strategy, and facilitates the implementation of the EU action plan for energy efficiency and of the Directive on the promotion of the use of energy from renewable sources.

The IEE programme is managed by the Executive Agency for Competitiveness and Innovation (EACI). The indicative total budget available for this call is about EUR 67 million. Accordingly, the amount granted will be up to 75% of the total eligible costs (except for the projects funded under the Build Up Skills Initiative). It is expected that this call for proposals will result in about 60 projects being supported.

The IEE programme covers action in the following fields:

Energy efficiency and rational use of energy resources (SAVE strand). In 2012 SAVE will cover the three following key actions:

- Industrial excellence in energy: for actions to increase the competitiveness of European small and medium size enterprises (SME's) by empowering them to save energy.
- Consumer behaviour: for actions to help transform the market towards more energy-efficient products and systems, and change the behaviour of consumers.
- Energy Services: for actions to increase market transparency and confidence for all market actors, to develop the energy services market for small consumers and to empower households to ensure the effectiveness of smart meters.

New and renewable energy resources (ALTENER strand), including:

- Electricity from renewable energy sources (RES-e): for actions to increase the share of renewable electricity in Europe's final energy consumption.
- Bioenergy: for actions promoting increased production and use of biomass, bio-liquids and biogas in energy markets.

Energy in transport (STEER strand). In 2012 STEER will cover the two following key actions:

- Energy-efficient transport: for actions to reduce the demand for travel by car and transport by road freight, and to shift travel and transport to more efficient transport modes.
- Clean and energy-efficient vehicles: for actions to help transform the market towards more energy-efficient vehicles, supporting and complementing the recent legislation in this area.

Integrated initiatives: action combining several of the specific fields (SAVE, ALTENER and STEER) or relating to certain EU priorities may include:

- Integrating energy efficiency and renewable energy sources in several sectors of the economy;
- Combining various instruments, tools and actors within the same action or project

More information on the specific actions cover by the programme is available here:

http://ec.europa.eu/energy/intelligent/files/call_for_proposals/call_2012_en.pdf

7th Framework Programme for Research and Development

The new FP7 Energy calls for proposals (belonging to the 2012 Work Programme) were published on 20 July, 2011. The topics outlined below are relevant to wind energy operators.

For a full description of these topics and more information on the application procedure, please visit the following web-page: http://ec.europa.eu/research/participants/portal/page/fp7_calls.

Call deadline: 8 March 2012

Topic ENERGY.2012.2.3.2: Demonstration of innovative designs to reduce fatigue loads and improve reliability of multi-MW turbines

Contents/scope: A strategic objective of the industrial initiative of the SET Plan on wind energy is to reduce cost of energy by improving reliability and availability of wind turbines and their components. Optimizing operation and maintenance is an additional strategy for achieving this objective. Both increasing reliability and optimizing operation and maintenance have a direct impact on the availability of wind turbines and thus reduce costs and increases energy output.

This strategy contributes considerably to making wind energy fully competitive. This topic focuses on the first strategy: improving reliability by incorporating this concept in the design process of the entire wind turbine system. The main goal of the project will be to upgrade existing reliability engineering methodologies to large wind turbine systems and demonstrate their effects during operation. The projects could address different types of climatic conditions and geographical locations in order to demonstrate improved reliability and availability under such operating conditions.

The application of reliability engineering methods and their validation may be applied to new rotor concepts and other turbine components, such as drive train components, designed for very large wind turbines (in the 2 to 6 MW range), in particular for offshore applications.

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Section 2 – Secretariat news

TPWind 8th General Assembly

6 March 2012 - Brussels, Belgium

The **8th General Assembly** will take place on **Tuesday, 6 March 2012** at MCE (rue de l'Aqueduc 118, Brussels). It will be a key event for TPWind, as it will be the first since the selection of its new Steering Committee members.

As always TPWind members will have the opportunity to hold Working Group meetings where future projects and activities of the Platform will be discussed. Specifically, TPWind members will focus on the implementation of the European Wind Initiative (EWI) over the 2013 – 2015 period.

Furthermore, a plenary session will be organised to provide TPWind members with a comprehensive update on the Platform's plans and EU wind energy policies.

The 8th General Assembly will include a networking cocktail.

For more information on the event, which is **for TPWind members only**, please contact Manuela Conconi (manuela.conconi@ewea.org; +32 2 2131813).

Section 3 – Members' news

Energy Roadmap 2050: Energy Commissioner Oettinger calls for binding 2030 renewable energy targets to be in place by 2014

The European Commission's Energy Roadmap 2050 shows that a high renewables energy mix - with 97% of the EU's electricity consumption met by renewable energy, including 49% wind power in 2050 - would have the same "overall energy system costs" as any other decarbonisation or business as usual scenario.

The Roadmap is based on five scenarios from the European Commission's PRIMES energy model, all achieving a 85% decline in energy-related CO2 emissions by 2050 on the basis of different mixes of renewable energy, nuclear power and fossil fuels with carbon capture and storage (CCS) and energy efficiency.

At a press conference launching the Roadmap in December, Energy Commissioner Günther Oettinger said that he expected binding renewable energy targets for 2030 to be proposed and in place by 2014: "With our roadmap we want to ensure that, for all participants, there should be an interesting discussion on binding targets for renewables by 2030. This should begin now and lead to a decision in two years' time," Energy Commissioner Oettinger said.

"The Commission's Communication could have been clearer in its commitment to binding renewable energy targets for 2030. However, with his strong statement today, Energy Commissioner Oettinger has provided European industry and citizens with that clarity. The European Parliament and Council must now give the Commission a clear mandate to come forward with ambitious binding 2030 targets for renewable energy" said Christian Kjaer, Chief Executive Officer of the European Wind Energy Association (EWEA) in Brussels.

All five decarbonisation scenarios in the Roadmap, as well as the business as usual scenario, show that wind energy will produce more electricity than any other power generating technology by 2050: between 32% and 49% of EU power production in the decarbonisation scenarios. "It's a pity the Commission fails to acknowledge this anywhere in its communication," Kjaer said.

"Much effort has gone into getting the PRIMES energy model to show renewable energy as more expensive than fossil fuels and nuclear energy. There are astounding assumptions in all scenarios such as oil prices dropping from over \$100 per barrel today to \$70 per barrel in 2050; offshore wind costing the same in 2050 as today; declining nuclear costs, and no gas or CCS infrastructure being needed in the next 40 years," Kjaer said. "Despite these attempts to prefabricate the results, the scenarios confirm that a renewable energy future comes at no higher energy cost to Europe. A high renewables and efficiency scenario would have been the cheapest."

EU offshore wind power market remained stable in 2011

2011 was a stable year for the offshore wind industry with 235 new offshore wind turbines grid connected, worth approximately 2.4 billion Euros.

On 19 January, the European Wind Energy Association (EWEA) published its annual offshore wind statistics for 2011 in Brussels showing that 235 new turbines with a total power capacity of 866 Megawatts (MW) were fully grid connected across nine offshore wind farms.

Annual installed new offshore wind turbine capacity (fully grid connected)

2008	2009	2010	2011
327 MW	584 MW	883 MW	866 MW

Nine offshore wind farms currently under construction will bring online an additional 2375 MW – increasing the EU's total installed offshore wind power capacity by 62%.

Across the EU, a total of 1371 offshore turbines have now been grid connected, with a total power capacity of 3813 Megawatts in 53 wind farms in 10 European countries.

EWEA's target for installed EU offshore wind power capacity by 2020 is 40,000 MW, producing approximately 4% of the EU's total electricity consumption.

“The offshore wind sector witnessed a stable market in 2011”, said Justin Wilkes, Policy Director of EWEA. He added: “Despite the economy-wide financial squeeze, 2011 saw a 40 per cent increase on the previous year in offshore non-recourse debt financing , up from 1.46 billion Euros in 2010 to 2.05 billion Euros in 2011.”

“The strong project pipeline and financial developments highlight the importance of countries continuing to provide and develop stable long-term frameworks for offshore wind power in order to allow the industry to continue its development,” he went on.

The majority (87%) of all newly installed and grid connected offshore wind power in 2011 was in British waters. Siemens supplied 80% of the MW installed offshore last year while SSE and RWE Innogy were the most active developers and DONG Energy continued to be the most active equity player in offshore wind power.

Please find the details in the new report [“The European offshore wind industry key 2011 trends and statistics”](#).

Strategic Energy Technology Plan – Warsaw Declaration, 28-29 November 2011

During the 2011 SET-Plan conference, a declaration on a reflection of the SET-Plan technologies in the next financial framework was signed. The conference was held on 28-29 November in Warsaw as part of the Polish Presidency of the EU Council.

The Warsaw Declaration calls for appropriate resources for the SET Plan and its implementation during the 2014-2020 financial framework. Moreover, it asks for a specific focus on programmes and projects with high EU added value (including joint actions with Member States) to leverage the matching private co-financing from industrial partners (i.e. the European Industrial Initiatives) and on the development of new and innovative energy technologies under the new Horizon 2020 programme,

Member States should cooperate more to ensure an integrated approach at European, National and regional level and should work closer with the industry to speed up demonstration of the SET Plan Technologies. Moreover, a wider collaboration between Member States and the European Commission on the one side and Financial institutions on the other, will support a broad range of activities.

Please find all details in the [“Warsaw Declaration”](#).

For more information contact:
Peter Sennekamp, EWEA
[peter.sennekamp\(at\)ewea.org](mailto:peter.sennekamp@ewea.org)
+32 2 213 18 33

In this section of the newsletter articles produced directly by TPWind members are published, providing members with the opportunity to inform the Platform of their most recent achievements, plans, products, studies or R&D efforts.

Every month, two to four short articles (maximum 250 words) will be selected by the Executive Committee or the Secretariat and will be included in this section of the newsletter, along with the contact details of the person or company publishing the article.

The Secretariat invites all TPWind members who would like to publish an article in the next issue of this newsletter to contact Manuela Conconi and send him their contribution by 20 February at the latest (manuela.conconi@ewea.org ; +32 2 2131813).

The Secretariat would like to remind all readers that this newsletter is sent to all TPWind members, to those included in the reserve lists of the Platform as well as to selected EC and EWEA representatives (approximately 500 people in total).

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Section 4 – Events

EWEA 2012 Annual Event

16 – 19 April 2012 - Copenhagen, Denmark

The EWEA Annual Event - Europe's **premier wind energy event** - will focus on innovation this year. The event provides a comprehensive conference programme and exhibition attracting over 10,000 professionals. It offers a complete overview of the industry and a place where the industry's brightest minds meet to exchange the latest knowledge, forge meaningful business relationships and create connections with influential people from Europe and beyond.

Innovating today, shaping tomorrow

For the industry to continue its growth, it is important to remain innovative in all aspects of our activities – from the products we design to the political frameworks and business models that shape our future direction.

More than ever, we are faced with challenges on major fronts: the economic downturn, competition from emerging non-EU markets, shifting policy environments, lack of funding, and other emerging renewable technologies.

At EWEA 2012, track chairs aim to better equip delegates for the challenges of the future by delivering a programme that provides new and different perspectives on innovation.

A comprehensive conference programme

Six conference tracks will provide conference delegates with a superior learning experience by providing them with over thirty-five informative sessions delivered by expert speakers.

1. **Policies, markets & programmes**, chaired by Jan Hylleberg, DWIA
2. **Financing**, chaired by Michael Liebreich, Bloomberg New Energy Finance
3. **Hardware technology**, chaired by Henning Kruse, TP Wind
4. **Resource assessment**, chaired by Jos Beurskens, ECN Wind Energy
5. **Grids & infrastructure**, chaired by Frans van Hulle, EWEA
6. **Science & research**, chaired by Peter Tavner, EAWE

A committee of experts has selected the freshest and most cutting-edge ideas for the conference programme. The preliminary conference programme can already be consulted online:

<http://events.ewea.org/annual2012/conference/programme/>

Register for EWEA 2012 at discounted rates

EWEA members, academic/ NGO's/ Governmental organisations can benefit from a reduced rate when registering for EWEA 2012. To register online and for more details on how to take advantage of this offer:

<http://events.ewea.org/annual2012/registration/>

Reserve your hotel room for EWEA 2012 at special rates

EWEA has secured special rates for attendees at many hotels near to the event venue in Copenhagen. For more information and to take advantage of these rates: <http://events.ewea.org/annual2012/practical-information/hotel-booking/>

EWEA Workshops in 2012

In 2012 EWEA will continue to organise focused events on issues of strategic importance to members and the industry as a whole. EWEA is planning workshops in Hungary, Bulgaria, Estonia and Turkey in the context of its fourth consecutive series of conferences in **emerging wind markets** organised in co-operation with the national

associations.

EWEA will continue its highly successful series of **policy debates in Brussels**, attracting key EU decision makers and making wind energy an integral part of energy discussions at EU level.

EWEA will hold a **second technology workshop** for specialists in the second quarter of 2012, addressing the assessment of operational wind farms. The date, place and focus will be announced early in 2012. This event will build on the success of the first technology workshop on pre-construction wind resource assessment that was held in May 2011. A follow-up workshop on wind resource assessment is planned for 2013.

The EWEA Annual Event will again be preceded by the ['Wind Energy – The Facts' pre-event seminar](#) in Copenhagen, Denmark on 15 April 2012.

In addition, EWEA will hold events related to European projects including **Twenties**, **TPWind** and **SEANERGY 2020**.

For the latest information on these events see: www.ewea.org/events

Industry for Industry

Support EWEA because we support you

Revenues from EWEA events and membership go right back into the industry, making EWEA's policy and lobbying activities possible. By attending this event you are directly strengthening the voice of the industry. Your money goes further than you think!



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 **EWEA**
THE EUROPEAN WIND ENERGY ASSOCIATION

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