



Monthly TPWind Newsletter  
September 2011

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Produced for TPWind by the European Wind Energy Association

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If you have any **feedback or questions** about the newsletter, or to **unsubscribe**, please contact Filippo Gagliardi ([filippo.gagliardi@ewea.org](mailto:filippo.gagliardi@ewea.org), +32 2 2131813).

Past TPWind newsletters are available here: <http://www.windplatform.eu/9.0.html>.

## Section 1 – Funding opportunities

### 7<sup>th</sup> Framework Programme for Research and Development

The new FP7 Energy calls for proposals (belonging to the 2011 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](http://ec.europa.eu/research/participants/portal/page/fp7_calls).

*Call deadline: 25 October 2011 (pre-proposals only – this topic follows a two-stage evaluation procedure)*

#### Topic ENERGY.2012.2.3.1: Innovative wind conversion systems (10-20MW) for offshore applications

Content/scope: The objective is to bring major innovations in the design and manufacturing of large wind energy conversion systems (aiming at 10-20MW) for offshore applications. Particular attention should be paid to substantially reducing the wind turbine head mass (rotor/nacelle) as well on marine-compatible substructures, including floating platforms. Innovations such as compact superconductor generators, smart blades, reliable magnetic pseudo-direct drive trains should be investigated alongside new turbine designs. Innovative low-cost substructures with suitable hydro-dynamic properties should be developed using long-lasting, anti-fouling, corrosion resistant materials with high damping properties

A complementary topic on materials for wind turbine blades is included in the NMP Call (Provisional title: NMP.2012.2.2-4: Cost-effective materials for larger blades for off-shore wind energy applications). Avoiding duplication will be part of the negotiation of any ultimately selected project.

*Call deadline: 8 November 2011 (pre-proposals only – this topic follows a two-stage evaluation procedure)*

#### Topic NMP.2012.2.2-4: Cost-effective materials for larger blades for off-shore wind energy applications

Content/scope: Off-shore wind offers enormous potential but also poses great technical challenges. The industrial initiative in the European Strategic Energy Technology Plan (SET-Plan) on wind energy thus considers this as one of its strategic objectives. In particular, new cost-effective materials, architectures, and processes are crucial for the next generation large-scale off-shore wind turbine generators. As a non-binding example: 90- metre blades are considered to be a possible target combination with materials that can offer a weight reduction of about 40% compared with standard designs.

Research proposals should address the development of innovative advanced materials and/or material combinations (including coatings) associated with the rotor, and in particular the blades, of an off-shore wind turbine generator. The reduction of the weight of the components without sacrificing their strength is a key objective with increasing rotor diameter. The proposed solutions should demonstrate to cope realistically with the particular and stringent demands of large blades in view of off-shore applications, such as e.g. long term operation in a corrosive and humid environment, under severe temperature variations and high load conditions. Compliance with environmental regulations as well as the environmental sustainability of each proposed solution shall be assessed with special emphasis on the recyclability. Blade design may be addressed if specifically relevant to the development of the materials. Dedicated modelling, standardisation, improvement of rotor blade test methods and/or the production of (certified) reference materials may also be addressed as an integrated part of the research proposal.

In order to ensure industrial relevance and impact of the research effort, the active participation of industrial partners, including end users and those involved in industrial development in harsh environments, represents an added value to the activities and this will be reflected in the evaluation, under the criteria Implementation and Impact.

#### NMP.2012.4.1-3 Development of advanced magnetic materials without, or with reduced use of, critical raw materials

Content/scope: Permanent magnets are essential e.g. in transport, wind energy and refrigeration applications, while externally controllable magnetic materials are being used in IT applications. Magnetic materials may require the use of critical raw materials which are increasingly sensitive to market distortions. Within the present call, the critical raw materials are the priority ones given in the report 'Critical Raw Materials for the EU'. In the light of possibly reduced levels of exports due to trade restrictions resulting in an uncertain long-term availability of these elements, there is a need to focus research on developing new magnetic materials without critical raw materials

(or with drastically reduced quantities), without compromising their functional performance. Substituting magnetic materials and/or reducing the use of critical raw materials in view of the raw materials initiative has already been initiated, but finding high-performing magnetic materials is only in its infancy and further research is needed. Research proposals should address the development of novel advanced magnetic materials that reduce the dependency on Critical Raw Materials. The proposed solution should show substantial improvement on their performances and/or on the elimination or drastic reduction of use of critical raw materials. The nature of magnetism to be investigated could be, but is not limited to, carbon-based magnetism (e.g. in graphene and functionalised nanotubes), molecular magnetism, interface- and defect- (impurities or structural defects) based magnetism, or magnetism in complex heterostructures or in magnetic fluids. New magnetic material with better characteristics, hard permanent magnets with a high energy product (high magnetisation and high coercivity) and soft permanent magnets with low coercivity, materials exhibiting half-metallicity or a high magnetocaloric effect and externally controllable magnets are included. The research should investigate how to reduce or substitute the quantities needed of scarce elements via modelling and material design improvements. Eco efficient production and recycling processes as integrated part of the material science and engineering research should be proposed to increase manufacturability and to reduce the total amount of critical raw material necessary. Estimates of cost comparisons should also be elaborated. Standardisation and/or the production of (certified) reference materials may also be addressed as an integrated part of the research proposal. The research should include test structures to validate the material properties and should also consider how to extend the life time of materials; an LCA should prove the targeted reduction in the use of critical raw materials. General device design is excluded.

#### NMP.2012.4.1-2 Innovative recycling technologies of key metals in high-tech applications

Content/scope: The EU industry is becoming more and more dependent on metals which are essential in the manufacture of advanced technological products, such as circuit boards, semiconductors, coatings, magnets, mobile phones, computers, home electronics, and solar panels. For example, these metals include platinum group and rare earth metals. The use of electronic products is increasing globally, because of the combination of shorter product lifecycles and stricter legislation, which are making electronic waste the fastest growing recycling segment.

Recycling technologies reduce waste going to disposal, consumption of natural resources and play an essential role in the move towards sustainable consumption and production.

Within this SME intensive sector, there is also potential to significantly improve recycling efficiency and capacity by encouraging innovation and introducing more effective processes and technologies. This would save costs, energy, and natural resources and thus help Europe to be less dependent on prices and imports of the key metals in high-tech applications.

Call deadline: 24 January 2012

#### NMP.2012.4.1-4 Substitution of critical raw materials: networking, specifying R&D needs and priorities

Content/scope: Raw materials are an essential part of both high tech products and every-day consumer products. The European Commission has adopted a new integrated strategy which sets out targeted measures to secure and improve access to raw materials for the EU (Communication on raw materials COM(2008)699 and accompanying Commission Staff Working Paper SEC(2008)2741 of 4 November 2008). The ad-hoc group of the Raw Materials Supply Group has issued a report containing policy-oriented recommendations to secure access to critical raw materials and to enhance its efficient use (Critical raw materials for the EU – Report of the Ad-hoc Working Group on defining critical raw materials).

Amongst other actions, the report recommends: (i) to improve the availability of reliable, consistent information in relation to raw materials; encouraged more research into life-cycle assessments for raw materials and their products on a 'cradle-to-grave' basis; (ii) to create a working group(s) to further analyse the impact of emerging technologies on demand of raw materials; and (iii) to engage in policy actions to make recycling of raw materials or raw material-containing products more efficient, including the promotion of research on system optimisation and recycling of technically-challenging products and substances, according to an appropriate LCA approach. The report also recommends that substitution should be encouraged, notably by promoting research on substitutes for critical raw materials in different applications and to increase opportunities under EU RTD Framework Programmes.

The proposed support action should network interested stakeholders, in order to create a pole of competence on the emerging field of the substitution of critical raw materials. It should identify and propose initiatives to help to address relevant EU policies effectively, and also address the specificities of this area such as its industrial, environmental, economic and geopolitical aspects. During its life, the action should collect and elaborate data and make available to the EU Institutions and Member States accurate pictures, analysis of needs, threats and opportunities and proposals for further action. A roadmap of actions, actors and timing, including mapping and networking of existing national activities and/or centres should be developed. During negotiations,

complementarity will be ensured with work performed in response to topic GC.SST.2012.1-3, 'European strategy for rare materials and their possible substitution'.

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.

## **European Metrology Research Programme (EMRP)**

*Call deadline: 20 March 2011 (for PRTs) and 3 October 2011 (for JRPs)*

EURAMET e.V. has launched a Call within the EMRP (European Metrology Research Programme) addressing the topic areas 'Metrology for Health', 'SI Broader Scope' and 'Metrology for New Technologies' on 4 February 2011.

Stage 1 of the Call for proposals for Potential metrology Research Topics (PRTs) is open from 4 February 2011 to 20 March 2011.

Stage 2 of the Call for proposals for Joint Research Projects (JRPs) and associated EMRP Researcher Grants is open from 20 June 2011 to 3 October 2011.

The JRPs are supported by a number of EMRP Researcher Grants (see details below). Whilst the EMRP is executed primarily by the national metrology institutes and designated institutes of the participating countries, all interested parties are invited to submit potential topics in Stage 1. Opportunities for wider participation also exist at later stages.

The Call encompasses a two-stage process and includes three grant schemes:

A. The core activity is multi-partner trans-national projects.

Stage 1 – Call for PRTs:

- Identifying the challenge, problem or opportunity for potential research topics;
- Offering the chance for all stakeholders from any country worldwide to influence the R&D undertaken by the European metrology community.

Stage 2 – Call for JRPs:

- The basis will be provided by the highest priority ideas for research from Stage 1, accompanied by a EURAMET-owned supporting document;
- A competitive European-wide independently refereed evaluation will result in a list of collaborative JRPs, executed primarily by the NMIs and DIs of the participating countries;
- Possibility to include proposals for Researcher Excellence Grants within the JRP proposals;
- Opportunity for organisations to participate with their own resources;
- Opportunity for organisations with an interest in the research area to collaborate with their own resources.

B. The JRPs are accompanied by the following EMRP Researcher Grant schemes, which are available:

At Stage 2:

- Researcher Excellence Grants (REG) – provided to increase the number of organisations with capacities closely related to metrology and to open metrology research to the best science. They will be made available to eligible European organisations and/or individuals capable of making a substantial contribution to the research activities of the JRP, and must form an integral part of the JRP.

At Stage 3:

- Researcher Excellence Grants (REG) – provided to increase the number of organisations with capacities closely related to metrology and to open metrology research to the best science. They will be made available to eligible European organisations and/or individuals capable of making a substantial contribution to the research activities of the JRP. They allow individuals capable of scientific excellence to add additional value to the research objectives of the JRP.
- Researcher Mobility Grants (RMG) – provided to develop the capability of the European metrology researcher community through mobility. They will be made available to eligible researchers.

C. In addition, an Open Call for Early-Stage Researcher Mobility Grants (ESRMG):

- Provided to ensure sustainability in the cooperation between NMIs and DIs of the participating States in the EMRP and to prepare the next generation of metrology researchers. They will be made available to eligible researchers.

Details can be found on the dedicated call webpage: [www.emrponline.eu/call2011](http://www.emrponline.eu/call2011)

## **Research Fund for Coal and Steel (RFCS)**

*Call deadline: 15 September 2011*

The Research Fund for Coal and Steel (RFCS) finances research projects in the areas of coal and steel. Its annual budget is about € 60 m, of which 72,8% is earmarked for steel-related and 27,2% for coal-related projects.

The RFCS has its origin in the former European Coal and Steel Community (ECSC). The ECSC is seen as the foundation of today's European Union. Established by the Treaty of Paris, it expired after 50 years in 2002.

The European Commission manages its residual assets and uses the interests generated yearly to finance research projects in the areas of coal and steel.

These projects cover several areas including steel applications within the renewable energy sector.

The main features of the RFCS scheme are the following:

- NO BUDGET LIMIT FOR PROJECTS - Typically in the range of 1-2 million €
- ORGANISATIONS WORLDWIDE CAN PARTICIPATE - Only consortium partners from the EU receive funding.
- ANY CONSORTIUM SIZE IS WELCOME
- NO SET PROJECT DURATION - Typical research projects last 3-4 years.
- USE THE EXPERIENCE OF PREVIOUS PROJECTS - Programme synopsis are available on [http://cordis.europa.eu/coal-steel-rtd/synopsis\\_en.html](http://cordis.europa.eu/coal-steel-rtd/synopsis_en.html)
- GET FULL INFORMATION ON THE PROGRAMME - Please refer to the Information Packages (Infopacks) available on [http://cordis.europa.eu/coal-steel-rtd/submit\\_en.html](http://cordis.europa.eu/coal-steel-rtd/submit_en.html)

## **Competitiveness and Innovation Framework Programme (CIP) - Eco-Innovation**

*Call deadline: 8 September 2011*

The CIP Eco-Innovation Programme aims to bridge the gap between research, technological demonstration, prototyping and commercialisation. Pure research, which receives support at EU level through the 7<sup>th</sup> Framework Programme, is therefore not covered.

CIP Eco-Innovation supports projects dealing with the first application or market replication of eco-innovative products, processes or practices which have already been technically demonstrated but due to remaining risks need incentives to penetrate the market. Projects should be innovative and bring both economic and environmental benefits.

The objectives of this call:

- Promote the adoption of new and integrated approaches to eco-innovation in fields such as environmental management and more environmentally friendly products, processes and services;
- Encourage the uptake of environmental solutions by increasing the market and by removing barriers to market penetration. Solutions are understood to include high added value products, processes, technologies or services;
- Increase innovation capacities of SMEs.

Five strands are included in this call:

- Materials and processes recycling;
- Buildings;
- Food and drinks;
- Water;
- Greening business (including green procurement).

The total budget of this call is € 36 m and the EU co-funding share is 50% of eligible project costs.

More information is available at: [http://ec.europa.eu/environment/eco-innovation/about/index\\_en.htm](http://ec.europa.eu/environment/eco-innovation/about/index_en.htm).

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## Section 2 – Secretariat news

### TPWind Steering Committee call for expression of interest open until 30 September

As announced in the previous issues of this newsletter, on 18 July 2011 TPWind published a "call for expression of interest" to select new Steering Committee (SC) members.

The Platform's SC, its main decision-making body, is composed of:

- 5 Executive Committee members (6 at the moment, for the November 2010 – May 2012 period only)
- 6 Working Groups' Chairs (5 WGs plus the Member States Mirror Group)
- 13 members

This call for expression of interest aims at recruiting the 13 members. As explained in the call's guidelines, the other members of the Steering Committee will not change: they will therefore not have to apply in order to maintain their position in the SC.

This approach will allow TPWind to renew its Steering Committee while, at the same time, ensuring continuity in the management of the Platform.

New Steering Committee members will be selected by an ad-hoc committee composed of:

- TPWind Executive Committee members (6 people<sup>1</sup>);
- TPWind Working Groups' Chairs (5 people<sup>2</sup>);
- TPWind Secretariat representatives (one per partner, i.e. EWEA, Garrad Hassan and Risoe/DTU – 3 people).

Candidates cannot submit more than one application: every submission after the first one will not be taken into consideration.

The deadline of the call is 30 September, 2011, at midnight (Brussels time). Any application received after the deadline will be disregarded.

More information on the call, and a link to the online application form, is available here: <http://www.windplatform.eu/118.0.html>. Candidates are invited to read the call's guidelines carefully before filling and submitting the application form.

Candidates are also invited to read the new TPWind Terms of Reference (ToR), which describes in detail the Platform's structure and rules. The current version of the ToR was published on 4 July 2011 and is available here: <http://www.windplatform.eu/8.0.html>.

### First TPWind Energy R&D event to take place on 4 October

In the afternoon of 4 October, TPWind will hold its first energy R&D event open to the public, which will focus on grids and grid integration. The event will take place in Brussels at the MCE - Management Centre Europe (118 Rue de l'Aqueduc) from 2 to 6 pm and will be followed by a networking cocktail, ending at 8 pm.

This cross-sectoral conference, organised with the support of TPWind's Advisory Board, will provide participants with an opportunity to discuss grid integration R&D issues shared by wind energy and other operators and stakeholders.

The event is targeted towards wind energy, oil & gas and grids players, as well as policy makers and any stakeholder involved in the planning, development and management of EU grids.

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<sup>1</sup> <http://www.windplatform.eu/39.0.html>

<sup>2</sup> <http://www.windplatform.eu/8.0.html>

In the morning preceding the conference, a new round of TPWind Working Group meetings will take place: Platform members will join the other participants in the afternoon to attend the conference.

For this reason, TPWind members do not have to register to join this event: their participation to the event is already accounted for.

Other participants, on the other hand, are required to register: they can do so on the following webpage: <http://www.ewea.org/index.php?id=2123>.

Due to limitations in the number of available seats, only up to 100 people will be able to register. For this reason, we invite interested parties to register only if they intend to participate in the event.

The agenda of the conference is the following:

Time	Tuesday October 4 <sup>th</sup> , 2011
13:00	Registration of participants
14:00	<b>First Session: funding and policy</b> (Room BC)
14:00	<b>Introduction and welcome</b> - Henning Kruse, Siemens - TPWind Chairperson, Denmark
14:15	<b>An update on TPWind</b> - Filippo Gagliardi, EWEA - TPWind Secretary General, Belgium
14:30	<b>The future of EU grids</b> – Christophe Schramm, EC (DG ENER) – Security of Supply & Network Policy Officer, Belgium
14:50	<b>Funding grids: the grid integration strand of the European Wind Initiative</b> - Hannele Holttinen, VTT - TPWind Working Group 3 Chair, Finland
15:10	<b>Funding grids: the European Electricity Grid Initiative</b> - Hubert Lemmens, ELIA – ENTSO-E Chair of R&D Committee , Belgium
15:30	Coffee Break
16:00	<b>Second Session: R&amp;D</b> (Room BC)
16:00	<b>Grid integration of natural gas</b> - Simon Blakey, EUROGAS- Special Envoy, Belgium
16:20	<b>Grid integration of wind energy</b> - Paul Wilczek, EWEA – Senior Regulatory Affairs Advisor on Grids & Internal Electricity Market, Belgium
16:40	<b>Grid integration outside the EU: the USA</b> - Brian Smith, NREL - Lab Program Manager Wind and Hydropower Technologies, USA
17:00	<b>Large-scale storage</b> - Estathios Peteves, JRC – Energy Systems Evaluation Head of Unit, The Netherlands
17:20	<b>Integrating renewables: the TWENTIES project</b> - Red Electrica, Spain (speaker to be confirmed)
17:40	<b>Conclusions and closing remarks</b> - Henning Kruse, Siemens - TPWind Chairperson, Denmark
18:00	Networking Event: Cocktail at MCE
20:00	End of Conference

#### OffshoreGrid Final workshop to take place on 5 October

OffshoreGrid is a European project funded by the Intelligent Energy Europe Programme and coordinated by 3E.

It provides policy recommendations for the process towards an offshore electricity grid in Northern Europe, including cost-benefit analyses. These results have been qualitatively transferred to the Mediterranean Region. For more information on the project, please visit [www.offshoregrid.eu](http://www.offshoregrid.eu).

In this Final Workshop, the OffshoreGrid consortium will launch the project's Final Publication that summarises the full results of the study. The Final Workshop will take place on 5 October 2011, and attendance is free of charge. Please note that this workshop takes place back-to-back with the first TPWind Energy R&D Event (see previous section of this newsletter), in the same venue.

Please register online to attend free of charge the OffshoreGrid Final Workshop at <http://www.ewea.org/index.php?id=2110> (TPWind members willing to join it should register too).

Please contact [sharon.wokke@ewea.org](mailto:sharon.wokke@ewea.org) should you wish for more information.

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## Section 3 – Members' news

### Council suggestions on annual EU budget increase gap between policy and financing

In its recent position on the EU budget 2012, the European Council introduced cuts that, if adopted, could affect wind energy and renewables adversely.

It suggested reducing the proposed FP7 Energy programme – which funds R&D projects for wind energy – by €6 million, to € 118,476 million. It also proposed cutting the payments in the budget for research related to energy by €10 million – that is, almost 9%.

Furthermore, it proposes a cut to the Competitiveness and Innovation Framework programme, Intelligent Energy Europe, which is financing several wind related projects, of € 16 million, bringing it to €63.2 million.

Concerning the electricity network, the Council proposed cutting payments in the already small Trans European Energy networks (TEN-E) budget – which funds electricity grid development – by €3 million, to take it to just €17 million.

Other cuts proposed are €10 million from the remaining payments of the offshore grid system projects in the programme 'energy projects to aid economic recovery'. The total amount left to be paid is €81 million, while Council is willing to only pay €71 million during 2012.

"In June, the European Parliament expressed its concerns about lack of funding for research and energy in the European Commission's draft annual budget proposal. The cuts introduced in the Council position increase the financial gap between policy targets and financial commitments even further", commented Vilma Radvilaite, EWEA's Regulatory Affairs Advisor.

"It is to be hoped that the European Parliament will at the very least restore the Commission's proposed amounts, otherwise Europe's energy and climate targets will be put at risk", she went on.

Overall, the total energy budget if adopted according to the Council position would see a decrease of 2% in commitments and 3% in payments. Research would go down by 10% in commitments and 6.4% in payments. The 2012 EU budget as a whole would go down by 2.8% in payments and 1.1% in commitments.

More information: [http://www.consilium.europa.eu/uedocs/cms\\_Data/docs/pressdata/en/ecofin/124047.pdf](http://www.consilium.europa.eu/uedocs/cms_Data/docs/pressdata/en/ecofin/124047.pdf).

### EU wind power will triple by 2020

The European Wind Energy Association (EWEA) has now published its scenarios for onshore and offshore wind power deployment in the EU, ahead of the European Commission's Energy Roadmap 2050, due to be published later this year.

"Wind energy will more than triple its power output by 2020 with 194 billion Euros invested in European onshore and offshore wind farms in this decade", said Justin Wilkes, Policy Director of EWEA. "This success is mainly driven by a strong EU regulatory framework to 2020, which we need also after 2020".

"Wind power will not only make a very substantial contribution to meeting Europe's commitment to reduce greenhouse gas emissions. It strongly accelerates a shift away from expensive fossil fuels, creates jobs, makes Europe more competitive, and provides secure and renewable power production in Europe", said Wilkes.

Electricity production from wind power is expected to increase from 182 Terawatt hours (TWh) or 5.5% of the total EU demand in 2010, to 581 TWh or 15.7% of the total demand in 2020.

By 2020 the electricity production from wind energy will be equivalent to the total electricity consumption of all households in France, Germany, Poland, Spain and the United Kingdom together.

By 2030 1,154 TWh (28% of total demand) would be produced by wind power, more than the EU's predicted 241 million private households are expected to consume in 2030. Today, wind power produces electricity equivalent to the consumption of 50 million average EU households (1).

EWEA's "Pure Power" report shows that the 27 EU Member States will have very different increases in wind power capacity over the coming years (2).

#### Increase in wind power capacity by EU Member States from end 2010 to 2020

Factor by which wind power capacity will increase and % of the country's electricity demand by 2020 (these figures represent EWEA's baseline scenario for 2020, % rounded):

- Austria: x 3.5 (10%)
- Belgium: x 4.3 (10%)
- Bulgaria: x 8 (18%)

- Cyprus: x3.6 (12%)
- Czech Republic: x 7.4 (4%)
- Denmark: x 1.6 (38%)
- Estonia: x 3.4 (11%)
- Finland: x 9.6 (5%)
- France: x 4 (11%)
- Germany: x 1.8 (17%)
- Greece: x 5.4 (23%)
- Hungary: x 3 (4%)
- Ireland: x 4.2 (52%)
- Italy: x 2.7 (9%)
- Latvia: x 6.4 (5%)
- Lithuania: x 6.5 (18%)
- Luxembourg: x 7.1 (7%)
- Malta: 0 to 100 MW(8%)
- Netherlands: x 4.2 (20%)
- Poland: x 9.5 (14%)
- Portugal: x 1.9 (28%)
- Romania: x 6.5 (10%)
- Slovakia: 3 to 800 MW (5%)
- Slovenia: 0 to 500 MW (6%)
- Spain, x 1.9 (27%)
- Sweden: x 4 (15%)
- United Kingdom: x 5 (19%)
- EU-27: x 2.7 (16%)

(1) According to the EC PRIMES model, an average EU household's consumption is 3.76 MWh in 2010.

(2) EWEA's assumption of EU installed wind power of 230 Gigawatts (GW) by 2020 is "conservative". It does not differ much from those presented by 27 EU Member States in their "national action plans" with a total of 213 GW. The European Commission similarly assumes 222 GW of installed wind capacity by 2020.

Find the Pure Power report [here](#).

For more information contact:

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## EC looking for expert evaluators

Researchers can approach the European Commission to be selected as FP7 evaluators. These experts are in charge of examining project proposals against published criteria and providing comments and recommendations to the EC.

Potential experts need to be registered in the FP7 Expert Management Module (EMM), accessible at <https://cordis.europa.eu/emmfp7/index.cfm?fuseaction=wel.welcome>. An updated list of frequently asked questions can be consulted from <https://cordis.europa.eu/emmfp7/index.cfm?fuseaction=wel.faq>.

Candidates should note that registration in the experts' database does not guarantee automatic selection for participation in the evaluations.

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*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 Filippo Gagliardi and send him their contribution by 23 September at the latest ([filippo.gagliardi@ewea.org](mailto:filippo.gagliardi@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 300 people in total).*

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## Section 4 – Events

### September 2011

#### **Romanian Wind Energy Forum 2011**

6 - 8 September 2011 - Constanta, Romania

The Romanian Wind Energy Forum 2011 is the definitive wind energy event in one of Europe's most promising emerging markets. The event is organised by the Romanian Wind Energy Association and EWEA.

Full details: <http://windenergyforum.ro/>

#### **SEANERGY 2020: Atlantic Ocean & Irish Sea Regional Workshop**

22 September 2011 - Lisbon, Portugal

SEANERGY 2020 is an IEE-funded project developing policy recommendations on how to best deal with maritime spatial planning and the obstacles it presents to the development of offshore power generation. This regional workshop will focus on the Atlantic Ocean and Irish Sea.

Full details: <http://www.ewea.org/index.php?id=2121>

### October 2011

#### **First TPWind energy R&D event**

4 October 2011 – Brussels, Belgium

The 1<sup>st</sup> TPWind energy R&D event will take place on Tuesday 4 October, 2011, at the “Management Centre Europe”, in Brussels (the same venue as for TPWind General Assemblies - <http://www.mce-ama.com>).

The morning will be dedicated to Working Groups’ meetings and will therefore be for TPWind Working Groups’ members only.

The afternoon, on the other hand, will be devoted to the first TPWind energy R&D conference, which will be open to the public for free. The event will focus on grid integration and will represent an opportunity to explore and discuss relevant R&D issues that wind energy players share with other sectors / stakeholders (e.g. oil & gas and grids).

To attend this event, registration is compulsory and can be done on the following webpage, where the agenda is also available: <http://www.ewea.org/index.php?id=2123>.

Due to limitations in the number of available seats, only up to 100 people will be able to register. For this reason, we invite interested parties to register only if they intend to participate in the event.

TPWind members do not have to register: their participation to the event is already accounted for.

#### **OffshoreGrid Final Workshop**

5 October 2011 – Brussels, Belgium

The IEE-funded OffshoreGrid project provides policy recommendations for the process towards an offshore electricity grid in Northern Europe, including cost-benefit analyses. These results have been qualitatively transferred to the Mediterranean Region. For more information on the project, please visit [www.offshoregrid.eu](http://www.offshoregrid.eu).

In this Final Workshop, the OffshoreGrid consortium will launch the project's Final Publication that summarises the full results of the study. The Final Workshop will take place on 5 October 2011, and attendance is free of charge. Please note that this workshop takes place back-to-back with the TPWind Energy Event, in the same location.

Please register online for the OffshoreGrid Final Workshop at <http://www.ewea.org/index.php?id=2110>, or contact [sharon.wokke@ewea.org](mailto:sharon.wokke@ewea.org) should you wish for more information.

## November / December 2011

### **EWEA Policy Workshop: "Wind Energy in Bulgaria: from impasse to opportunity"**

3 November 2011 - Sofia, Bulgaria

Organised by EWEA, with the support of the Association of Producers of Ecological Energy (APEE) and the Bulgarian Wind Energy Association (BGWEA), this is the official event on the wind industry in Bulgaria. Senior wind industry representatives will be joined by policy makers, grid operators and financiers to discuss issues that will affect the future of wind energy in Bulgaria.

Full details: <http://www.ewea.org/index.php?id=2125>

### **EWEA OFFSHORE 2011: The world's largest offshore wind energy conference and exhibition**

29 November – 1 December 2011 - Amsterdam, The Netherlands

#### **[Register online and view the full conference programme online!](#)**

With over 7,500 participants expected to attend, EWEA OFFSHORE 2011 will be the world's largest offshore wind energy conference and exhibition. The three-day event will gather the industry's leading experts and global players from Europe, North America and Asia. Together, they will debate all aspects of offshore wind development and forge valuable business contacts.

The attendee look-up will be soon available online. See who will be there and register early enough to make sure you are among them.

[Online registration is easy and saves time and money.](#)

The [conference programme](#) has been designed in cooperation with the industry's brightest minds. Ian Merchant will chair the EWEA OFFSHORE 2011 conference, while another [19 top experts are in charge of developing and leading high quality sessions](#) on wide-ranging topics:

*Technology • Wind turbines and support structures • Logistics • Grid and infrastructure • Business and policy • Finance • EU policies and programmes • Markets • Planning • Wind farm experience Bringing down the cost of energy • Next generation of wind farms and demonstration sites • Resource assessment • Forecasting, measuring and modelling*

See what **Jos Beurskens** from **ECN** says about the conference: *"For unbiased information and to get a full picture of the advances in virtually all aspects of offshore wind energy technology and market dynamics, this conference is an absolute must. The programme committee has done its utmost to organise coherent, well-structured sessions and to select presentations showcasing cutting edge know-how."*

On Monday 28 November 2011, the EWEA OFFSHORE 2011 conference will be preceded by the [pre-event seminar 'Wind Energy The Facts'](#). [The preliminary programme for this seminar is available online](#) and it is highly recommended for all non-technical professionals working in the offshore wind energy industry. Inform your colleagues about this opportunity!

**Over 300 exhibiting companies representing the current and future supply chain** will present the latest products and services at the international, cross-sector exhibition floor. See who will be exhibiting by viewing the [online exhibitor list](#).

This event will attract an influential audience of senior profile professionals, global offshore leaders and major corporations and the numerous social events will give participants the opportunity to create connections with the people that matter most in the wind industry. [Select the best networking event for your needs.](#)

For more information: [www.ewea.org/offshore2011](http://www.ewea.org/offshore2011)

## April 2012

### **EWEA 2012 Annual Event: Europe's premier wind energy event**

*16 – 19 April 2012 - Copenhagen, Denmark*

Europe's premier wind energy event is the annual gathering of the wind industry's brightest minds. In 2012, the focus will be on **innovation**; challenging current practices, sharing the latest knowledge, and breaking new ground in every aspect of the wind energy industry. Six of the industry's leading experts have been appointed to ensure that the conference programme features only the best and most relevant presentations. To be amongst those driving innovation in wind energy, take the opportunity to submit your abstract.

The **call for abstracts will open mid of September**. Check regularly the website to find out more about topics, submission deadlines and other details.

The host market, Denmark, has a variety of activities planned, in order to take the most out of the annual gathering of the wind energy industry at their country. Find out more about [Danish Wind Industry Association plans](#) at EWEA 2012.

The **exhibition continues to grow with already 75% sold out** to exhibiting companies representing the full spectrum of the supply chain. [See who is already on the exhibition floor](#) and discover more about all innovations planned for EWEA 2012: [www.ewea.org/annual2012](http://www.ewea.org/annual2012).

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All EWEA events are organised by the Industry for the Industry and represent real value for money:  
EVERY EURO SPENT ON THESE EVENTS IS PUT TO WORK PROMOTING WIND ENERGY.