



## Monthly TPWind Newsletter, May 2010

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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 2 546 1982).



# Section 1 – Funding opportunities

## Intelligent Energy Europe (IEE)

*Call deadline: 24 June 2010*

The 2010 IEE call for proposals was published on March 23, 2010.

Approximately €56 m will be made available through this call, supporting up to 75% of the eligible project costs. Any public or private organisation from the EU, Iceland, Norway, Liechtenstein and Croatia can apply. The energy efficiency and renewable energy priorities to be supported by the 2010 call for proposals are the following:

### Energy efficiency and rational use of resources (SAVE)

Energy-efficient buildings:

- Actions to improve the operational efficiency of non-residential buildings. This could include low or no cost measures, effective commissioning or better operation and maintenance.
- Alternatively, actions to improve energy management in multi-residential buildings will also be considered (e.g. co-ownership properties, managed housing stock).
- Priority will be given to actions demonstrating active engagement of market multipliers (e.g. associations, federations) and high impact.

Consumer behaviour:

- Actions helping consumers choose the most energy efficient products among those covered under the Eco-design Directive (e.g. household appliances, windows, lighting etc.)
- Actions directly raising awareness among various groups of individual consumers for issues covered, for instance by the Energy Services Directive (e.g. advanced metering and informative billing) or the Energy Performance of Buildings Directive.

### New and renewable energy sources (ALTENER)

RES electricity:

- Actions supporting the integration of renewable electricity (including CHP) into the market and the grid, in particular by bringing forward solutions to streamline and integrate authorisation and grid connection procedures (including grid extension and reinforcement).
- Actions that would facilitate improved authorisation procedures, like forward-looking and integrated planning as well as moderation of competing stakeholder interests and concerns such as environmental impacts.
- Strategic actions to analyse and monitor policies, markets, costs and benefits of renewable electricity, possibly extended to other renewable energy sectors where appropriate and necessary.

RES in buildings:

Actions which accelerate the deployment of biomass, geothermal, and/or solar (thermal or PV) systems for heating, cooling and electricity in energy efficient buildings, including:

- The use of renewable energy building codes or ordinances, conditions for grid access, measurement and payment, training the personnel of local / regional authorities;
- The provision to all relevant actors of information on support measures and on the benefits, costs, and efficiency of RES systems and equipment.

Bioenergy:

Actions bringing untapped bio-resources onto the energy market. Such actions include:

- Supporting the implementation of local/regional bioenergy plans;
- Stimulating investments & business agreements in sustainable bioenergy supply chains (including solid biomass, biogas and liquid biofuels);
- Supporting strategic initiatives to promote quality, standards & sustainability schemes for bioenergy products, or
- Encouraging biogas injection into gas grids or use as transport fuel – including streamlining procedures for grid connection and quality monitoring.

More information is available [here](#).

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## **Section 2 –Secretariat news**

### **Launch of the Wind Energy Roadmap**

Following the last TPWind General Assembly, held in Brussels on 23 March 2010, the 2010 – 2012 Wind Energy Roadmap Implementation Plan was fine-tuned and submitted to the EU Institutions. In parallel, a Wind European Industrial Initiative (EII) Team was established in order to ensure the proper implementation of the Roadmap.

The Team will have the aim of translating the Roadmap's Implementation Plan into concrete actions to be funded through EU or national calls for proposals. It will be composed of EC and EIB officials, experienced national representatives from committed Member States (i.e. countries interested in implementing the Roadmap, since their participation will be on a voluntary basis) and industry and R&D community representatives.

The industry and R&D community will be represented in the Wind EII Team by the TPWind Executive Committee and Secretariat.

The Team will develop yearly action plans based on the Implementation Plan and it will take into consideration what has already been funded at EU and national level.

Once finalised by the Team, the yearly action plans will have to be approved by the SET-Plan Steering Group (composed of high level EU and national representatives) before being put into action.

The first meeting of the Wind EII Team will take place in Brussels on 19 May, shortly before the official launch of the Wind Energy Roadmap. This meeting will focus on its 2010 and 2011 yearly action plans.

The Roadmap will be formally launched at the Madrid SET-Plan conference, to be held on 3-4 June in the framework of the Spanish Presidency of the EU. This event, which will see the participation of high level industry, EU and national representatives, will mark an historic moment for the development of wind power in Europe and will change the current R&D funding paradigm.

Together with the Wind Energy Roadmap, the Solar, Electricity Grid and CCS (Carbon Capture and Storage) Roadmaps will be launched.

Roadmaps will be funded through existing instruments (i.e. FP7, EIB facilities, national funds and so on): no new schemes or EU agencies will be created. However, all selected instruments (at EU and national level – for committed Member States) will focus on the priorities of the Roadmaps and on the actions identified by relevant EII Teams and approved by the SET-Plan Steering Group. As a result, the coordination in energy R&D funding in Europe will be increased.

Additional information on the implementation of the Wind Energy Roadmap will be provided in forthcoming issues of the newsletter.

### **TWENTIES project launched**

The European Union, in its backing for the integration of wind power and other renewable energies, has recently approved the funding of the Twenties Project. Its objective is to significantly advance the development and implementation of new technologies allowing grid integration of wind energy. This will contribute to achieving the EU's 2020 objectives: a 20% reduction in CO<sub>2</sub> emissions; a 20% improvement in energy efficiency, and a 20% share of renewables in the energy mix.

The Twenties project, funded by the 7<sup>th</sup> Framework Programme, will last three years and will have a total budget of approximately €60 m, of which €32 m will be provided by the European Union. It therefore is the largest renewable energy research project ever funded by the EU

Red Eléctrica de España, the Spanish Transmission System Operator (TSO), is the project coordinator of this initiative, which brings together 26 companies and institutions. The objective of the partnership is to remove, by means of six demonstration projects, the main barriers to grid integration.

Their results will be integrated into a EU study where the potential impact of tested solutions will be evaluated.

The full partnership of the TWENTIES project is outlined below:

Red Eléctrica de España S.A.U. (Spain)	Dong Energy Power A/S (Denmark)	Iberdrola Renovables S.A. (Spain)
RTE EDF Transport S.A. (France)	Elia System Operator S.A. (Belgium)	ENERGINET.dk (Denmark)
Risø DTU (Denmark)	Electricité de France, S.A. (France)	Areva T&D (United Kingdom)
Tennet TSO B.V. (Netherlands)	Univers. Pontificia de Comillas (Spain)	Fraunhofer IWES (Germany)
SINTEF Energy Research A/S (Norway)	Gamesa Innovation & Techn. (Spain)	SIEMENS Wind Power A/S (Germany)
50Hertz Transmission (Germany)	EWEA, European Wind Ass. (Belgium)	CORES0 SA (Belgium)
ABB Asea Brown Boveri, S.A. (Spain)	INESC-PORTO (Portugal)	University College Dublin (Ireland)
ENEA-Ricerca sul Sist. Elettrico (Italy)	University of Strathclyde (United Kingdom)	University Liege (Belgium)
Katholieke Universiteit Leuven (Belgium)	Université Libre de Bruxelles (Belgium)	

Project website: [www.twenties-project.eu](http://www.twenties-project.eu) (operational very soon)

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## Section 3 – Members’ news

### Wind: 50% of EU electricity in 2050

Wind energy will meet 50% of the EU’s electricity demand in 2050, top wind energy personalities told Europe’s largest wind energy conference and exhibition.

Topping the agenda at the opening day of the European Wind Energy Conference and Exhibition (EWEC 2010) in Warsaw (April 20<sup>th</sup>) was Europe’s long-term energy supply.

“2050 might seem like a long way off, but the decisions we take today will have a big impact on our energy supplies in 40 years’ time,” said Arthouros Zervos, President of the European Wind Energy Association (EWEA).

With the G8 and EU already committed to an 80% greenhouse gas reduction by 2050, Zervos added: “We can’t allow the politicians to make grand statements and leave the serious decisions to the next generation. Given the long life of power plants our vision for 2050 has to be reflected in the construction of new power plants from at least 2020 onwards”.

“A fully renewable power sector is the only solution to reaching 80-95% CO<sub>2</sub> reductions by 2050,” he continued. “The remaining carbon emissions will be needed for other sectors, such as agriculture.”

However, we should be talking about a “renewable energy economy” not a low carbon one, Professor Zervos said. “Renewable energies can provide 100% of Europe’s power supplies by 2050 without any further contribution from any so-called low-carbon technologies.”

Wind energy is already a mainstream power source in Europe, annual market growth has been impressive over the past 10 years - 23% on average.

“Realistically, wind can provide 50% of power supplies by 2050 if the necessary changes to infrastructure and markets are made,” said Christian Kjaer, EWEA’s Chief Executive. “The potential is there and the industry is ready. All we have to do is maintain current growth rates on and offshore. I am also confident that other renewables can easily meet the other half of Europe’s electricity needs”.

“A pan-European grid is the first priority, but a clear vision of, and a strong political commitment to, the long-term energy mix is also essential.” Kjaer explained that Europe needs to interconnect its electricity networks as a necessary step towards a truly integrated European electricity market.

An integrated power market is essential for the smart management of renewable energies and lower the costs for consumers. “Energy is an international challenge,” concluded Kjaer. “It is astounding that 24 years after establishing free movement of goods, services, capital and labour, the EU has not yet established a fifth freedom: free movement of electricity.”

*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 24 May at the latest ([filippo.gagliardi@ewea.org](mailto:filippo.gagliardi@ewea.org); +32 2 546 19821).**

*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

### June

#### SET-Plan conference

*3-4 June, 2010 – Madrid, Spain*

This new SET-Plan conference, which follows the one held in Stockholm in October 2009, will be organised in the framework of the Spanish Presidency and will involve EU and Member State delegates, Members of the European Parliament as well as industry and R&D community representatives.

The event will mark the launch of the most mature Roadmaps (i.e. wind, solar, electricity grid and carbon capture and storage) and will therefore represent a key step in the implementation of the EU Strategic Energy Technology Plan.

The full programme of the event including instructions on how to register to it are available here: <http://www.setplan-conference2010.es/Publico/Home/index.aspx>.

TPWind invites all its members to join this important event, which will modify the EU financing paradigm for wind power R&D.

#### OffshoreGrid Project Workshop

*10 June, 2010 – Brussels, Belgium*

The objective of the project is to provide policy recommendations for the process towards an offshore electricity grid in Northern Europe. OffshoreGrid will develop a scientific overview along with an appropriate regulatory framework that takes into account technical, economic and policy aspects.

The second Northern European Stakeholder Workshop is targeted towards European and national policy makers, transmission system operators, regulators, energy utilities, wind farm developers, energy agencies and other actors involved in offshore infrastructure development in Northern Europe. The workshop programme features plenary and round-table sessions for a fruitful and open interaction.

For more information visit: [www.offshoregrid.eu](http://www.offshoregrid.eu)

#### Global Wind Day

*15 June, 2010 - Europe*

On 15 June 2009, thousands of public events will be organised simultaneously. The Global Wind Day is an awareness campaign for the promotion of wind energy worldwide. The messages are clear: wind energy tackles climate change, it boosts energy independence and it is an intelligent investment.

The Global Wind Day is organized by the European Wind Energy Association (EWEA) and the Global Wind Energy Council (GWEC).

For more information on the events that will take place, please visit the Global Wind Day website: [www.globalwindday.org](http://www.globalwindday.org)



## November

### Grids 2010

*23-24 November, 2010 - Berlin, Germany*

GRIDS 2010 is a two-day conference and exhibition organised by EWEA. The event will explore the financial, technical, policy and regulatory issues that will shape the development of a grid that meets Europe's energy, consumer and climate needs. Registration will be open in May 2010.

More information on the event is available here: [www.ewea.org/grids2010](http://www.ewea.org/grids2010).

## 2011

### EWEA 2011 – Annual European Wind Energy Conference and Exhibition (formerly known as “EWEC”)

*14-17 March, 2011 - Brussels, Belgium*

Organised by the European Wind Energy Association for the past 25 years, the EWEA Annual Event is the annual flag-ship event offers a unique opportunity to generate new business leads. Year after year, the EWEA Annual Event (formerly known as “EWEC”) keeps on growing.

Europe's leading wind energy conference and exhibition offers a comprehensive overview of the latest developments and vibrant networking opportunities.

More information on the event is available here: [www.ewea.org/events](http://www.ewea.org/events).

### Offshore 2011

*29 November – 1 December, 2011 - Amsterdam, The Netherlands*

The European Offshore Wind Conference and Exhibition is organised once every two years by the European Wind Energy Association.

The 2011 event will build on the huge success of the previous edition that took place in Stockholm, Sweden, from 14 to 16 September 2009 and attracted over 4,850 people coming to see over 260 exhibitors and participate in the 23 conference sessions and numerous side events.

More information on the event is available here: [www.ewea.org/offshore2011](http://www.ewea.org/offshore2011).

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