



Monthly TPWind Newsletter – October 2009

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Developed by TPWind Secretariat

For any **feedback or question** on the newsletter or to **unsubscribe**, please contact Filippo Gagliardi (filippo.gagliardi@ewea.org, +32 2 546 1982).

Section 1 – Funding opportunities

7th Framework Programme for Research & Development: Future Emerging Technologies

Call deadline: 15 October 2009 (pre-proposals only)

The 2010 FP7 FET (Future Emerging Technologies) call for proposals, with a total budget of € 18 m, has been published on July 30th, 2009.

The following topic is relevant to energy technologies, including wind power:

Topic ENERGY.2010.10.2-1: Future Emerging Technologies for Energy Applications (FET)

Technical content/scope: The development of energy technologies is often impeded by bottlenecks which require the development and application of basic science and cross-cutting technologies. Also, real breakthroughs in the energy sector come quite often from progress in basic materials science that underpins energy technologies due to the radical upgrade in the properties of the materials. This topic aims at ensuring a genuine chance for 'emerging ideas' to be funded. It is to provide rewards for 'high risk / high impact' science and to vigorously promote multi-disciplinarity. Research should embrace a wide spectrum of novel technologies and novel materials for energy applications should have tangible objectives beyond “Increased Understanding” and be ahead of conventional approaches, be highly novel, very ambitious, with an orientation towards long-term innovation. Projects should try reaching a clearly defined scientific goal and/or proof of concept of a new basic technology, which in either case has the potential to open up new fields of enquire and lies well beyond what is considered state of the art at international level. Research that constitutes a technology demonstration or a combination of existing technologies or finally any research directed towards hypothetical phenomena, with no plausible or convincing evidence as to their real or potential existence is not within the scope of this topic.

Funding scheme: Collaborative Project.

Additional Information: This is a pre-competitive topic where cooperation with top class research groups from Third Countries can boost the impact of the project. Projects will involve effective partnership, from different scientific disciplines and/or different technological sectors, in order to work across traditional boundaries. They should demonstrate effective management and research flexibility. This will be considered in the evaluation. Project under this call may request an EC contribution of maximum € 3 m. This is an eligibility criterion.

Expected impact: To explore new paths leading to highly innovative novel technologies for energy applications and to contribute to the establishment of a strong scientific and technical base for European science and technology in emerging areas of energy research. The potential impact on the energy system has to be clearly demonstrated, already in the first stage proposal.

The evaluation procedure of this call will follow a two-stage approach.

Pre-proposals will have to be submitted by October 15th, 2009. If the first evaluation will be passed, full proposals will have to be finalized by March 11th, 2010.

More information and the full application package can be found [here](#).

7th Framework Programme for Research & Development: Energy 1

Call deadline: 15 October 2009 (pre-proposals only)

The 2010 FP7 Energy “1” call for proposals, with a total budget of € 54 m, has been published on July 30th, 2009.

The following two topics are relevant to wind energy:

Topic ENERGY.2010.2.3-1: Cross-sectoral approach to the development of very large offshore wind turbines

Contents/scope: The project will test at industrial prototype scale the best available concepts, materials and technologies, e.g. fault tolerant systems based on advanced power electronics and ICT sub-systems, in view of the development of off-shore wind turbines in the range of 10MW. This shall also serve the purpose of developing new concepts, materials and technologies for the further up-scaling (> 10MW) of off-shore wind turbines. Projects shall adopt a cross-sectoral approach to take benefit from the diversity of the expertise in offshore developments. The elimination of the major current bottlenecks related to extreme reliability requirements, the effectiveness of remote maintenance, the delivering of stable power into the grid and/or weight/size limitations shall be of central concern.

Funding scheme: Collaborative Project.

Expected impact: Offshore wind energy carries many advantages such as more regular high intensity wind regimes leading to larger electricity production potential from the wind turbines. In addition, some of the constraints related to land-based wind turbines can be relaxed such as noise and visual impacts once the turbines are installed far from the coast. This will allow better use of the huge potential of offshore wind energy with very large and robust wind turbines and will bring down the today high cost of offshore wind power for massive deployment.

Additional information: The active participation of stakeholders involved in harsh environment industrial developments is essential to achieving the full impact of the project. This will be considered in the evaluation.

Topic ENERGY.2010.7.3-1: Energy storage systems for power distribution networks.

Contents/scope: This topic aims at technology development of energy storage systems for stationary applications in the power range of several tens of kW to 1 MW, and larger. The work should include innovative components and their integration for cost-effective energy storage systems. The characteristics should target energy storage systems applications supporting the integration of variable renewable electricity energy sources such as wind, wave power and photovoltaics.

Funding scheme: Collaborative Project.

Expected impact: The research and development of cost-effective energy storage systems, based on different technologies, should contribute to increasing the hosting capacity of future electricity distribution networks for variable distributed energy resources and to the reliability, efficiency, security and reduced environmental impact of these networks.

The evaluation procedure of this call will follow a two-stage approach.

Pre-proposals will have to be submitted by October 15th, 2009. If the first evaluation will be passed, full proposals will have to be finalized by March 11th, 2010.

More information and the full application package can be found [here](#).

7th Framework Programme for Research & Development: Ideas

Call deadline: 28 October 2009 & 24 February 2010

The FP7 Specific Programme “Ideas” aims at financing frontier research, i.e. actions that go beyond the objectives of the R&D European Commission as they are laid out in the calls for proposals of the other FP7 Programmes. “Ideas” is therefore open to any potential proposal in order to bring about unpredictable scientific and technological discoveries.

On July 30th, 2009 the “ERC-2010-StG_20091209” call, belonging to “Ideas”, has been published with a total budget of € 528,237 m.

The call consists of three sub-calls, of which one focuses on Physical Sciences & Engineering (i.e. call “ERC-2010-StG_20091028”). The following topic of this call could be relevant to wind energy operators:

Products and processes engineering: product design, process design and control, construction methods, civil engineering, energy systems, material engineering.

The deadline for submitting application for Starting Grants is October 28th, 2009; the one for Advanced Grants is February 24th, 2010.

Starting Grants are designed to support researchers at the stage at which they are starting or consolidating their own independent research team or, depending on the field, establishing their independent research programme. On the other hand, Advanced Grants provide an opportunity to established scientists and scholars to pursue frontier research of their choice.

More information and the full application package can be found [here](#).

7th Framework Programme for Research & Development: Infrastructures

Call deadline: 3 December 2009

The FP7 Specific Programme “Capacities” aims at optimising the use and development of research infrastructures (as opposed to the Specific Programme “Cooperation”, which supports R&D actions).

On July 30th, 2009, the 2010 Infrastructures “1” call for proposals, belonging to “Capacities”, has been published with a total budget of € 216,94 m.

The following topic is relevant to wind energy:

INFRA-2010-1.1.23: Research Infrastructures for offshore renewable energy devices: ocean-, current-, wave- and wind energy. A project under this topic should aim at integrating the key research infrastructures in Europe for research on marine current power, tidal stream energy, tidal power, wave power, open questions concerning the transfer of energy, grid integration. Partners offering transnational access should include existing pilot and demonstration plants to be used as research infrastructures as well as laboratory scale installations like wave basins to large scale open sea test sites. This topic will support the European Strategic Energy Technology Plan (SET-Plan, COM (2007)723).

More information and the full application package can be found [here](#).

7th Framework Programme for Research & Development: Ocean

Call deadline: 14 January 2010

On July 30th, 2009, the FP7 “Ocean of Tomorrow” call for proposals, with a total budget of € 34 m, has been published.

This call has a horizontal approach: its topics are not linked specifically to any particular technology and are therefore potentially relevant also for wind energy operators.

More in details, the purpose of this call is to encourage relevant stakeholders to join resources in order to meet challenges in ocean management. As a matter of fact, Oceans offer opportunities for sustainable economic development. However, human activities are exerting increasing environmental pressure on the oceans, which is threatening marine ecosystems and sustainable maritime activities. The aim of this call for proposals is therefore to improve understanding on how marine ecosystems respond to a combination of natural and anthropogenic factors, as well as how rapid environmental changes will affect the full range of goods and services provided by the oceans and the development measures that could be developed to mitigate or adapt to these changes.

This call will be implemented through three different topics and a multidisciplinary approach will be essential for projects to be selected for funding:

- Topic OCEAN.2010 -1: Quantification of climate change impacts on economic sectors in the Arctic;
- Topic OCEAN.2010-2: Vectors of changes in ocean and seas marine life, impact on economic sectors;
- Topic OCEAN.2010-3: Sub-seabed carbon storage and the marine environment.

More information and the full application package can be found [here](#).

7th Framework Programme for Research & Development: Energy 2

Call deadline: 4 March 2010

The 2010 FP7 Energy “2” call for proposals, with a total budget of € 126,4 m, has been published on July 30th, 2009.

The following topic is relevant to wind energy:

Topic ENERGY.2010.2.3-2: Support to the coordination of stakeholders’ activities in the field of wind energy

Content/scope: Major stakeholders in the field of wind energy have established the European Wind Energy Technology Platform (TP Wind) in order to foster cooperation in the sector on R&D activities. As a result of this process, the Strategic Research Agenda (SRA) has been published and the Platform is now moving towards implementation of the key topics defined in the past years, in particular through the European Wind Initiative.

This process, which is expected to have a long lasting impact on the structure and potential of the European wind energy sector to implement the European objectives, should be supported by efficient management/coordination and communication activities. Management activities will include the organisation of high-level workshops, conferences and meetings amongst European stakeholders, as well as the promotion of projects originating from the SRA and research and demonstration projects co-funded by the European Commission.

Communication activities will focus on the development and maintenance of IT tools and databases, on the preparation of information leaflets, brochures, reports, newsletters and other

relevant documents, as well as on facilitating the flow and exchange of information within TP Wind and with other relevant Technology Platforms and national and international organisations.

In particular, the development of stronger ties with the oil & gas, maritime and strong cooperation with grids sectors shall lead to the development of a shared strategy towards common European energy and climate change policy and energy market challenges (e.g. installation of offshore wind turbine generators; wind-grid integration, etc.).

Funding Scheme: Coordination and Support Action (supporting action).

Expected Impact: A deepening of the cooperation of relevant stakeholders would contribute to:

- Increase the efficiency and competitiveness of research & demonstration in the field of wind energy;
- Help maximise synergies with oil & gas and maritime sectors and prevent unnecessary fragmentation of activities.

Additional information: Up to one project may be funded. For this topic, the maximum EC contribution per project will be € 1 m for a period of three years.

More information and the full application package can be found [here](#).

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Section 2 – News from the Secretariat

SET-Plan workshop in Stockholm (October 21st and 22nd)

The European Commission and the Swedish Energy Agency are organizing a SET-Plan workshop, which will be held in Stockholm on October 21st and 22nd. This event will represent a key step for the development of the European Wind Initiative (EWI) and for the implementation of the SET-Plan.

The event will be composed of three different sessions:

- In the morning of day one, the new Communication on Financing Low Carbon Technologies of the European Commission will be presented. This document will provide new information on how the Industrial Initiatives of the SET-Plan (identified as Technology Roadmap in the framework of the Communication) will be funded;
- In the afternoon of day one, each Technology Roadmap will be presented and discussed in details in parallel sessions. Henning Kruse, TPWind chairman, and Nicolas Fichaux, TPWind Secretary General, will present the Wind Roadmap. The following debate will be moderated by Susanna Widstrand, chair of the Member States Mirror Group;
- In the morning of day two, the results of the parallel sessions will be presented at the plenary.

The SET-Plan workshop is expected to prepare the ground for the final endorsement of the Wind Energy Roadmap at the 2010 EU Spring Council.

TPWind therefore recommends all its members to join this key event in order to contribute to the debate and show the commitment of the wind energy sector.

More information, together with the instructions for registering, is available [here](#). The deadline for registering to the event is October 6th.

TPWind 5th General Assembly upcoming

TPWind 5th General Assembly (GA) will be held on November 10th, 2009, in Brussels, at the “Management Centre Europe” (MCE).

The event, which is entitled “2020: Blowing up wind energy”, will focus on three main topics:

- SRA/MDS projects;
- Windsec 2 and the future of the Platform;
- The update of the SRA/MDS.

The GA will be divided into two sessions:

- The morning session will be dedicated to internal Working Group (WG) meetings, which will be managed by TPWind chairs and vice-chairs. WGs will discuss the following issues:
 - Improve the description of the SRA/MDS priority projects identified at the 4th GA (May 13th and 14th) and draft ad-hoc FP7 topics to be proposed to the European Commission;
 - Develop Windsec 2 (i.e. the project that could provide funding to TPWind for the next 3 years) and structure the future of the Platform;

- Update the SRA/MDS: a new version should be published in 2012.
- The afternoon session will be devoted to the plenary, where the Secretariat and EC representatives will update TPWind members on the latest developments of the Platform and of the wind energy sector. Further to that, TPWind chairs will report on the results of Working Groups meetings. A networking cocktail will follow.

TPWind encourages all its members to take part in this event, where key issues for the development and the future of the Platform will be addressed and discussed.

Call for abstracts for EWEC2010 currently open

EWEC is widely regarded as the most professional, comprehensive and informative in the wind sector. It offers a unique opportunity to generate new business leads. EWEC is the only annual event which combines an extensive exhibition of the leading players with a conference covering every key aspect of the wind market – from technical and theoretical to policy and practice. Join over 7,000 key players in the wind industry for four days of networking and professional development.

The 2010 edition of EWEC will be held in Warsaw, Poland, on April 20th – 23rd, 2010.

In order to be included in the conference programme, you can submit your abstract until October 12th, 2009.

More information on the conference and on the call for abstracts is available [here](#).

EREC 3rd EU Renewable Energy Policy Conference

The 3rd European Renewable Energy Policy Conference is organized by EREC in co-operation with the EU Swedish Presidency.

It is THE meeting place for European renewable energy industry representatives and decision makers.

We are expecting at least 800 relevant stakeholders from all over the world to be present at this 2-day “must-attend” policy event which will provide industry experts and policy makers with the latest information.

For registration and further information please consult the conference website: <http://www.erec.org/policyconference2009>.

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Section 3 – News from members

*The goal of this section of the newsletter is to **host articles developed directly by TPWind members**, so as to provide them with the opportunity to inform the Platform on their most recent achievements, plans, products, studies or R&D efforts.*

Every month, 2 to 4 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, together 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 October 23rd at the latest (filippo.gagliardi@ewea.org; +32 2 546 19821).

To this purpose, the Secretariat would like to remember 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

October

8th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Farms

14 - 15 October 2009 - Bremen, Germany

The 8th edition of this international and well known forum is accompanied by the “3rd workshop on Best Practice in the Use of Short-term Forecasting of Wind Power” on October 13th.

More information is available [here](#).

China Wind Power 2009

20 - 22 October, 2009 – Beijing, China

Organized by the leading industry associations working in China, the 2009 Conference & Exhibition is the meeting point for all wind professionals working in China. The event will be relevant for both industry veterans and newcomers, with three days of conference sessions, an interactive exhibition of wind energy products and services, as well as numerous networking opportunities.

More information is available [here](#).

SET-Plan Workshop

21 – 22 October, 2009 – Stockholm, Sweden

The SET-Plan workshop, organized by the European Commission and the Swedish Energy Agency and involving Commissioners, Member States representatives and Members of the European Parliament, will represent a key step in the development of the European Wind Initiative as well as of the other EU Industrial Initiatives (i.e. bio energy, CCS, solar, nuclear and smart grids).

The morning of day one (October 21st) will be dedicated to a plenary session where the state of climate negotiations (i.e. Copenhagen) and the EC Communication on “Financing Low Carbon Technologies will be presented”. The afternoon, on the other hand, will be dedicated to parallel sessions on all SET-Plan Industrial Initiatives

On day two, the results of all parallel sessions will presented at the plenary.

More information is available [here](#).

BWEA Annual Conference and Exhibition

21 - 23 October, 2009 - London, UK

Three days of conference sessions will address policy, development and technical aspects of UK onshore and offshore wind energy, wave and tidal energy and small wind systems. The accompanying exhibition will see over 150 companies display their products and services.

More information is available [here](#).

Windskill Final Conference

23 October, 2009 – Berlin, Germany

The WINDSKILL initiative was started with the support of the Intelligent Energy Europe Programme in 2006 and has enrolled a wide range of stakeholders across Europe in a first-time endeavor to harmonize qualification standards in the European wind energy sector. The conference will highlight the project outcomes and present key stakeholder perspectives on skills development in the wind industry.

Participation is free of charge but by registration only. To get your registration form, please send an email to windskill@wind-energie.de. The closing date for registrations is October 15th, 2009.

November

TPWind 5th General Assembly

10 November, 2009 – Brussels, Belgium

The 5th General Assembly of TPWind will represent a key event for the development of the Platform: members will be updated on the latest development of the European Wind Initiative, on the future of TPWind and on the EC Communication on Financing Low Carbon Technologies.

Further to that, they will have the opportunity to hold Working Group meetings, where future priority projects and the update of the Strategic Research Agenda will be discussed.

The Assembly will be closed by a networking cocktail.

For more information on the event, which is reserved to TPWind members, please contact Filippo Gagliardi (filippo.gagliardi@ewea.org; +32 2 5461982).

Integrating Wind Power in Bulgaria

10 November, 2009 – Sofia, Bulgaria

The fourth in a series of policy workshops in key emerging wind power markets in Europe. Organised by the European Wind Energy Association (EWEA) and the Bulgarian Wind Energy Association.

More information is available [here](#).

3rd European Renewable Energy Policy Conference

16 and 17 November, 2009 – Brussels, Belgium

The 3rd European Renewable Energy Policy Conference is organised by EREC (European Renewable Energy Council), umbrella organisation which counts as its members EWEA. This flagship policy conference will take place within the framework of the EU Swedish Presidency and will serve as a high-level political platform with highest visibility on the European energy political scene where industry leaders can meet policy-makers and express their future needs.

More information is available [here](#).

December

United Nations Climate Change Conference

7 - 18 December, 2009 – Copenhagen, Denmark

The Copenhagen conference will represent a key step in the global fight to climate change. Its aim will be to close with agreements on four political essentials, thereby creating a clarity the world – not least the financially struck business world – needs:

- How much are the industrialized countries willing to reduce their emissions of greenhouse gases?
- How much are major developing countries such as China and India willing to do to limit the growth of their emissions?
- How is the help needed by developing countries to engage in reducing their emissions and adapting to the impacts of climate change going to be financed?
- How is that money going to be managed?

The conference is open to:

- Government representatives;
- United Nations bodies;
- Observer Organizations;
- Press.

More information is available [here](#).

2010

European Wind Energy Conference and Exhibition 2010

20 - 23 April, 2010 - Warsaw, Poland

EWEC is widely regarded as the most professional, comprehensive and informative in the wind sector. It offers a unique opportunity to generate new business leads. EWEC is the only annual event which combines an extensive exhibition of the leading players with a conference covering every key aspect of the wind market – from technical and theoretical to policy and practice. Join over 7,000 key players in the wind industry for four days of networking and professional development.

Submit your abstract now to be a part of the conference programme. NB: The call for abstracts closes on 12 October 2009.

More information is available [here](#).

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