



Monthly TPWind Newsletter  
September 2013

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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](mailto:manuela.conconi@ewea.org), +32 2 2131856).

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

## **Section 1 – Funding opportunities**

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

On 31 January, EURAMET e.V. launched a call within the EMRP (European Metrology Research Programme) addressing the topic areas Metrology for Energy, and Metrology for Environment:

- Stage 1 of the Call, call for Potential Research Topics (PRTs), is open from 31 January 2013 to 17 March 2013.
- Stage 2 of the Call, call for proposals for Joint Research Projects (JRPs) and associated Researcher Excellence Grants (REGs), is open from 18 June 2013 to 1 October 2013.

More information can be found on the call webpage: [www.emrponline.eu/call2013](http://www.emrponline.eu/call2013)

## Section2 – Secretariat's news

### TPWind training report published

TPWind's new training report, looking at the skills gap in the EU wind energy sector and at policies to tackle it, was published on 5 August.

It was researched and written by the TPWind Secretariat under the coordination and supervision of the Platform's Steering Committee. The leading author was GL Garrad Hassan. The European Wind Energy Association (EWEA) coordinated the project.

This report is one of the Platform's key deliverables, together with the Strategic Research Agenda published in 2008 (a new, updated version will be launched in 2014) and the European Wind Initiative (published by the European Commission in 2009 and launched in 2010).

According to the report, whose main conclusions were presented in February at the EWEA 2013 conference in Vienna (<http://www.ewea.org/annual2013/>), nearly 50,000 additional trained staff will be needed by the industry by 2030. By that year, operations and maintenance will become the greatest source of new jobs and demand for trained staff.

There is currently a shortage of 7,000 qualified personnel required by the European wind energy sector each year, a figure that could increase to 15,000 by 2030 if the number of graduates taking courses relevant to the industry does not increase.

The report includes:

- Estimates of the gap in available training courses and forecasts trends up to 2030.
- The findings of surveys and interviews with industry stakeholders.
- An analysis of research by skills area.
- The identification of areas for action and proposes policy initiatives.

The report can be downloaded from: <http://www.windplatform.eu/home/tpwind-report-workers-wanted-the-eu-wind-energy-sector-skills-gap/>

### TWENTIES final report (short version) published

An initial short version of the TWENTIES final report was published in July.

The aim of the TWENTIES project is to advance the development and deployment of new technologies which facilitate the widespread integration of more onshore and offshore wind power into the European electricity system by 2020 and beyond.

TWENTIES ('Transmission system operation with a large penetration of wind and other renewable electricity sources in electricity networks using innovative tools and integrated energy solutions') was coordinated by Red Eléctrica de España and financed by the European Commission's seventh Framework Programme.

The project's findings included:

- - 10% more power can be brought online by measuring cable temperature in real time
- - 2% cut in electricity prices using wind turbines and other power sources as virtual power plants
- - 28% more wind power can be produced during storms using 'high wind ride through' control

The final and more detailed TWENTIES report will be published in October 2013.

The short version of the report is available on EWEA's website at the following address: <http://www.ewea.org/publications/reports/twenties-project/>

### Third TPWind Energy Event to take place on 24 September

In the afternoon of 24 September, TPWind will hold its third public energy event, focussing on funding wind power in times of crisis.

The event will take place in Brussels at The Square (Rue Coudenberg 3, Brussels - <http://www.square-brussels.com/>) from 4pm to 6 pm (registration of participants from 2 pm) and will be followed by a networking cocktail. This cross-sectoral conference, organised with the support of TPWind's Advisory Board, will provide

participants with an opportunity to discuss financing best practices and case studies, as well as relevant market and political developments.

In the morning preceding the conference, a new round of TPWind Working Group meetings will take place.

TPWind members do not have to register: their participation is already taken into account. On the other hand, non-members should register here: [www.ewea.org/tpwind-event-24-sept-2013/](http://www.ewea.org/tpwind-event-24-sept-2013/)

Registration is compulsory and free of charge for non-TPWind members, but limited to 100 participants. Registrations will be closed once the maximum number of participants. Please register only if interested in attending and let TPWind know of any later changes in your plans.

Draft agenda:

Time	Tuesday September 24 <sup>th</sup> , 2013
14:00	Registration of participants
16:00	First Session: Case studies (Plenary Room Hall 400)
16:00	<b>Introduction and welcome</b> - Henning Kruse, TPWind Chairperson, Siemens Wind Power, Denmark
16:10	<b>Funding wind power: a view from financial institutions</b> – Jèrôme Guillet, Managing Director, Green Giraffe Energy Bankers, France
16:25	<b>Funding wind power: a view from the wind energy industry</b> – James Barry, Chief Specialist Project Finance, Vestas, UK
16:40	<b>Funding wind power: a view from the US</b> - John Meissner, Senior Program Analyst, Contractor to U.S. Department of Energy Wind Program, USA
16:55	Second Session: Panel debate – funding renewables in times of crisis (Plenary Room Hall 400)
	<p><b>Chairs:</b></p> <p><i>Henning Kruse, Siemens Wind Power - TPWind Chairperson, Denmark</i></p> <p><i>Allan MacAskill, MacAskill Associates – TPWind Vice-Chairperson, UK</i></p> <p><b>Panellists</b></p> <p><i>European Commission - TBC</i></p> <p><i>Christopher Knowles - Head of Climate Change &amp; Environment Division, European Investment Bank, Luxembourg</i></p> <p><i>Romain Talagrand – Head of Power &amp; Renewable Project Finance EMEA, BNP Paribas, France</i></p> <p><i>Jèrôme Guillet - Managing Director, Green Giraffe Energy Bankers, France</i></p> <p><i>James Barry – Chief Specialist Project Finance, Vestas, UK</i></p>
18:15	Networking Cocktail
20:00	End of Conference

## Section 3 – Members' news

### Offshore wind in deep waters opens up massive power potential

Deep water wind turbines are key to unlocking the massive energy potential in Europe's Atlantic and Mediterranean seas and the deepest parts of the North Sea, a new report from the European Wind Energy Association (EWEA) shows.

The report reveals that floating turbines in North Sea deep waters alone could power Europe four times over. Offshore wind in Europe could be providing 145 million households with renewable electricity and employing 318,000 people by 2030, while providing energy security, technology exports, and no greenhouse gases.

"To allow this sector to realise its potential and deliver major benefits for Europe, a clear and stable legislative framework for after 2020 - based on a binding 2030 renewable energy target - is vital. This must be backed by an industrial strategy for offshore wind including support for R&D", said Jacopo Moccia, Head of Policy Analysis at EWEA.

This technology is cost-competitive with standard fixed-bottom offshore turbines from 50 metres water depth, the report finds.

If the requirements are met, the first full-scale deep offshore wind farms could be producing power by 2017, up from the two floating turbines currently supplying electricity from European waters.

Read the report: [www.ewea.org/report/deep-water](http://www.ewea.org/report/deep-water)

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### European Commission to hold a workshop entitled "Energy research and innovation, source of benefits for your region" on 8 October 2013

The European Commission's [Directorate General for Research and Innovation](#) (DG RTD) and the [Directorate General for Regional and Urban Policy](#) (DG REGIO) are organizing a workshop on possible synergies and cooperation between research and regional policies.

People's well-being, industrial competitiveness and the overall functioning of society are dependent on safe, secure, sustainable and affordable energy. The scale of this challenge requires consolidation of research and innovation capacities at EU level.

The objective of the workshop is to demonstrate that energy research & innovation can bring real benefits to European regions. By sharing good examples and best practices from Spain and Germany and presenting practical aspects of the use of Structural Funds for energy research projects, the aim is to encourage European regions to invest more in energy research & innovation and to foster growth and jobs.

The event is free of charge, but seats are limited. [Registration](#) is compulsory on the Open days website.

The workshop will be organized in the framework of the 11<sup>th</sup> European Week of Regions and Cities and will take place at the Centre Borschette (Room 2D), Rue Froissart 36, 1040 Brussels, Belgium, from 9 to 10.45AM.

The agenda of the event is:

	Topic of the presentation	Name	Institution and function
9.00 - 9.10	Introduction	Andr�s Siegler (TBC)	DG RTD, Director
9.10 - 9.25	Solar energy research, source of benefits for Castilla-La-Mancha (Spain)	Alfonso Vazquez Varela de Seijas and Oscar de la Rubia Carretero	Junta de Comunidades de Castilla-La-Mancha, General Director of Industry, Energy and Mine ISFOC, Director

9.25 - 9.40	Wind energy research, driving force for Bremen (Germany)	Susanne Findeisen	Germanwind, Project Leader Innovation
9.40 - 9.55	Energy research priorities in Horizon 2020	Esperanza Arrizabalaga Vena	DG RTD, Policy Officer
9.55 - 10.10	New cohesion policy – how to use it effectively to boost energy research in the regions?	Maud Skaringer	DG REGIO, Policy Analyst
10.10 - 10.45	Q&A series	Gilles Lequeux	DG RTD, Deputy Head of Unit

*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 her their contribution by 20 September at the latest ([manuela.conconi@ewea.org](mailto:manuela.conconi@ewea.org); +32 2 2131856).**

*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

### **TPWind 3<sup>rd</sup> Energy Event**

24 September 2013 - Brussels, Belgium

The **3<sup>rd</sup> TPCWind Energy Event** will take place on **Tuesday, 24 September** at The Square (Rue Coudenberg 3, Brussels) from 16.00 to 20.00.

The event will focus on cross-sectoral financing and wind power issues and is organised together with the TPCWind Advisory Board. The aim of the event is to provide an opportunity to discuss financing best practices in times of crisis.

The event will be **open to the public and free of charge** and will include a networking cocktail.

As always, TPCWind members will have the opportunity to hold Working Group meetings in the morning and in the first half of the afternoon. Specifically, TPCWind members will focus on finalising the new Strategic Research Agenda / Market Deployment Strategy (SRA/MDS).

For more information on the event please contact Manuela Conconi ([manuela.conconi@ewea.org](mailto:manuela.conconi@ewea.org); +32 2 2131856).

### **REserviceS Regional Workshops**



#### **Achieving 40% RES by 2020: the role of ancillary services from wind energy**

**Tuesday, 10 September, Dublin, Ireland**

The workshop will focus on frequency and voltage support at high shares of wind, with case-studies related to the transmission system. [Info and registration](#)

#### **Renewables supporting distribution networks**

**Thursday, 19 September, Kassel, Germany**

The workshop will focus on frequency and voltage support at high share of wind and solar PV. The event will focus on distribution case studies in Germany and in the Mediterranean region. [Info and registration](#)

#### **Economic grid support from variable renewables**

**Tuesday, 8 October, Madrid, Spain**

The workshop will present a number of case studies related to the transmission and the distribution system operators in the Iberian peninsula. The event aim at putting the REserviceS results from the different case studies in a European perspective. [Info and registration](#)

### **EWEA Technology Workshop:**

#### **Wind Power Forecasting:**

#### **From R&D to commercial offering – a 360° view of present and future**

**3-4 December, 2013**

Rotterdam, The Netherlands

Organised in association with the Anemos Consortium and supported by the Netherlands Wind Energy Association:



EWEA's second technology workshop in 2013, organised in response to requests from members, focuses on technical challenges related to wind power forecasting.

### [Submit your abstract by 31 August 2013](#)

The workshop will cover topics including:

- The end users' requirements
- Numerical weather prediction models
- Wind power forecasting models and operational systems
- Integrating forecasts in business processes
- How important will forecasting be at 200 GW?

### [Programme and chairs](#)

To be informed when registration is live email: [techworkshops@ewea.org](mailto:techworkshops@ewea.org)

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### **Extra visibility for your organisation:**

If you would like to present your company to the highly targeted audiences that the technology workshops attract contact Tim Robinson on [techworkshops@ewea.org](mailto:techworkshops@ewea.org) or tel: +32 2 213 1844 to discuss the exhibition & sponsorship opportunities available.

### Take part in the resource assessment exercise for EWEA OFFSHORE 2013



**19 – 21 November 2013**

Frankfurt, Germany

EWEA is pleased to announce the first offshore Comparative Resource and Energy Yield Assessment Procedure (CREYAP) exercise. Organisations are invited to download wind data and information on turbine layout and to assess the expected energy yield for a planned wind farm. The comparison of the results will be presented during EWEA OFFSHORE 2013 (Frankfurt, Germany) as part of the session on Thursday 21 November 2013 entitled "Offshore Energy Yield Assessments: Challenges and Lessons Learned".

This exercise builds on the two highly-successful CREYAP exercises for onshore wind that were presented at EWEA technology workshops in May 2011 (Brussels) and June 2013 (Dublin). EWEA wishes to thank the following organisations that have made this comparison exercises possible: Renewable Energy Systems Ltd, DTU Wind Energy, The Crown Estate and The Carbon Trust.

The data pack including the outline of the scope of work of the exercise, description of the inputs that will be provided and the results that participants will be asked to produce can be downloaded from:

<http://www.ewea.org/offshore2013/conference/offshore-creyap/>

**DEADLINE to submit results: 30 September 2013**

## Technology, science and research at EWEA 2014 Annual Event



**10 – 13 March 2014**

Barcelona, Spain

Research, technology and innovation are vital for the wind industry to move forward. EWEA Annual Events provide a platform for ideas sharing and discussion on the latest developments and issues facing the industry.

EWEA is currently working with EWEA 2014 track chairs, Henrik Stiesdal Chief Technical Officer at Siemens Wind Power, Mike Anderson Group Technical Director at RES Group, and Michael Muskulus Vice President of European Academy for Wind Energy (EAWE) to put together the topics for the EWEA 2014 technical conference sessions.

The call for abstracts will open in early September, so keep checking the website for more information on the call for abstracts: [www.ewea.org/annual2014](http://www.ewea.org/annual2014)

**Note for your diary:** TPWind members will be invited to take part in the call for reviewers & Lead Session Chairs in September. Reviewers and Lead Session Chairs play a significant role in the development of the conference content.

### 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