

## Steering Committee Meeting n° 5

Renewable Energy House, 63-65 rue d'Arlon 1040 Brussels.  
Oct. 7th, 2008 – 13:00 AM to 18:00 PM

### *Minutes*

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Prepared by the TPWind Secretariat

October 2008

## 1. Participants list

### Steering Committee

Name	First Name	Company/Institute	Alternate
Beurskens	Jos	ECN	Theo de Lange
Borri	Claudio	CRIACIV at Universita di Firenze	Luca Facchini
Flamang	Peter	Hansen Transmissions International	
Gertmar	Lars	ABB	
Hessel	Christoph	GE Wind	
Kariniotakis	George	Ecole des Mines de Paris	
Kruse	Henning	Siemens	
MacAskill	Allan	Talisman Energy (UK) Ltd	
Nielsen	Frank	LMGlasfiber	
Petersen	Erik Lundtang	Risoe National Laboratory	
Prats	Josep	Alstom	
Quarton	David	Garrad Hassan	
Raftery	Peter	Airtricity	Patrick O'Kane
Stroem Madsen	Finn	Vestas	Lise Backer
Thor	Sven-Erik	Vattenfall	
Villanueva-Monzon	Mauro	Gamesa	
Widstrand	Susanna	Swedish Energy Agency	

Steering Committee - not represented

Name	First Name	Company/Institute
Buddenberg	Joerg	EWE AG
Chaviaropoulos	Takis	CRES
Hohmeyer	Olav	Flensburg University
Nath	Christian	Germanischer Lloyd Industrial Services, Wind Energy
Santamaria	Angeles	Iberdrola
Skarzynski	Grzegorz	Polish Wind Energy Association
Zervos	Arthouros	NTUA

Guests

Name	First Name	Company/Institute
Tostmann	Stefan	DG Tren
Gambi	Roberto	DG Tren
Bemtgen	Jean-marie	DG Tren
Dionisio	Mario	DG Tren

Secretariat

Name	First Name	Company/Institute
Fichaux	Nicolas	EWEA
Arrowsmith	Greg	EUREC
Jensen	Peter Hjuler	Risoe/DTU

## 2. Agenda

Time	Tuesday October 7 <sup>th</sup> , 2008
13:00	Introduction and welcome of participants ( <i>Henning Kruse, Chairman</i> )
13:20	Vote on Executive Committee ( <i>Nicolas Fichaux, Secretariat</i> )
13:40	Member States Mirror Group ( <i>Susanna Widstrand, MSMG Chairperson</i> )
14:00	TPWind activities, status, 3 <sup>rd</sup> GA objectives, European Wind Initiative ( <i>Nicolas Fichaux, Secretariat</i> )
14:30	Brainstorming session: <ul style="list-style-type: none"><li>• Feedback from SC on TPWind achievements and operations</li><li>• TPWind objectives until 2010</li></ul>
15:00	Ongoing FP7 calls ( <i>Stefan Tostmann, European Commission</i> )
15:30	Coffee Break
15:45	Brainstorming session: <ul style="list-style-type: none"><li>• TPWind Working group objectives and TPWind structure</li><li>• TPWind support to FP7 projects definition</li><li>• TPWind after 2010</li></ul>
17:00	Conclusions and next meeting

## 3. Main decisions

### 3.1. Vote on Executive Committee

The TPWind Executive Committee was proposed for reappointment for the next 18 months. This point was accepted with unanimity.

### 3.2. Member States Mirror Group

The second Mirror Group meeting will take place in parallel to the working group meetings during TPWind 3<sup>rd</sup> General Assembly. The main elements are:

- As a first step, it is necessary to define the role and activities of the Mirror Group. In particular, the terms of reference shall be adopted for next General Assembly.
- The Mirror Group would be keen on receiving the collaboration plans between TPWind and the other European Technology Platforms.
- The Mirror Group will work on providing constructive feedback to the Steering Committee on the SRA/MDS documents.

As a starting point, the work is structured on the basis of a R&D monitoring table. This table matches the SRA/MDS priorities with national activities. Only a few countries already provided input to this document. A main concern raised by the Steering Committee is the data reliability, and level of details. An opportunity to develop this action could be to input the SETIS system, as described by the Strategic Energy Technology Plan. This system shall perform an assessment of existing EU infrastructures and research activities.

The mirror group will investigate the added-value of this approach during its second meeting.

### **3.3. TPWind activities, status, 3<sup>rd</sup> GA, EWI**

The Steering Committee reacted on the European Wind Initiative (EWI), and in particular regarding the willingness of the European Commission to put emphasis on offshore wind. The updated EWI draft includes an offshore component; however onshore will be the most important market in the future. This predominance of onshore shall be reflected by the EWI proposal.

In parallel to the Industrial Initiatives, the SET-Plan proposes the setting-up of a European Research Alliance, gathering CEOs of the main European research institutes. The mandate is to move from today's model of collaborating on **projects** towards a new paradigm of implementing **programmes**. The aims are to align these programmes with the SET-Plan priorities, network existing but disperse capacities and build durable partnerships with industry. The link with TPWind activities and the Wind Initiative shall be investigated.

As a general remark, considering the high interest of public institutions on offshore activities, and the high potential of Norway's oil & gas sector, the inclusion of Norway to the TPWind Mirror Group shall be investigated. The Mirror Group might be free to invite Norway representatives to join. This point is highly depending on the Mirror Group terms of reference, still to be adopted.

### **3.4. Ongoing FP7 calls**

A large FP7 call for proposal is currently opened on large-scale grid integration of renewable energy sources. As wind energy is a main electricity generation technology, the European commission expects to receive a proposal on wind energy and grid integration. The Community budget is 35 Meuros for this demonstration project. It corresponds to a total budget for the project of some 60 Meuros. Emphasis was put on the need to keep the consortium at a manageable size. The call ends in April 2009.

TPWind is invited to create synergies in the wind sector, and also involve the TSOs in the process. *Note from secretariat: during the third general assembly, WG3 meeting was attended by TPWind WG3 members, EWIS representatives, TradeWind representatives, and the European Commission. The outcome of this meeting is a first project outline. WG3 is now working on strengthening the proposal.*

### 3.5. Brainstorming sessions – main ideas

Section	Main ideas
Feedback from SC on TPWind achievements and operations	<ul style="list-style-type: none"> <li>- The SRA is an excellent document, used as a support for ECN research programme. It is needed to set up similar plans to implement the SRA in different countries.</li> </ul>
TPWind objectives until 2010	<ul style="list-style-type: none"> <li>- TPWind should perform lobbying, coordinate the existing activities and networks, create synergies with other sectors/stakeholders (TSOs, oil &amp; gas), and define sector-wide projects,</li> <li>- TPWind could propose specific project outlines and request offers from companies,</li> <li>- TPWind shall set up a large-scale research programme like Airbus did,</li> <li>- If EWI is to be this Airbus-like programme, TPWind shall implement and monitor the EWI. In this regard, interactions between EWI and TPWind will have to be clarified,</li> <li>- The wind industry is more diffuse than the aircraft industry. The Airbus concept may not be applicable. Emphasis shall be put on deployment, and focus shall be given on implementation,</li> <li>- If TPWind is to set up project proposals, a bottom-up approach shall be promoted, where the groups propose project which are voted by a higher level body (<i>see description below</i>).</li> </ul>
TPWind Working group objectives and TPWind structure	<ul style="list-style-type: none"> <li>- During 3<sup>rd</sup> TPWind General Assembly, the working groups will focus on implementing the SRA. The concrete proposals will be compiled as an <b>implementation plan</b>, which will be a fourth section of the SRA/MDS documents. This document shall present the core SRA/MDS activities to be implemented rapidly,</li> <li>- The groups shall be very specific in their outcomes. The next step might be to formulate project proposals,</li> <li>- This approach is a bottom-up exercise, complementing the top-down EWI approach. The consolidated budget outcomes might give a good overview of budget repartition.</li> </ul>
TPWind support to FP7 projects definition	<ul style="list-style-type: none"> <li>- Regarding the terms and conditions of FP7 proposals, the sector is sometimes spontaneously implementing stronger constraints than those requested by the European Commission itself. Education of the sector is needed on this aspect. As examples, the size and diversity of consortium partners is sometimes higher than the required EC criterions. Also, partners shall keep in mind that IP protection can be efficiently handled by EU contracts, and <u>all results do not have to be public</u>.</li> <li>- TPWind shall reinforce its links with FP7 programme committee members.</li> </ul>
TPWind after 2010	<i>Pending issue.</i>

**Highlight: promoting a bottom-up approach for project definition – example of the Forschungsvereinigung Antriebstechnik (FVA)<sup>1</sup>**

This highlight might be of interest for the EWI implementation structure and/or future TPWind activities.

FVA is a network involving large companies collaborating with university research departments. The aim is to enhance communication and cooperation, and improve knowledge sharing between science and industry in the sector of drive-train technology and, more broadly on moving components. The network covers manufacturing, quality control, components and systems, environmental issues and innovations management. FVA also funds PhDs, supported by an industry working group.

The network runs some 100 projects per year and represents today 23 active working groups working with 40 universities. The project results are entered in a shared database, accessible to members.

The FVA model has proven to be very successful in the gear industry. FVA processes and structure have a proven track record, and this bottom-up approach might be replicated. Similarities can already be found between TPWind and the FVA structure:

- The *Vorstand* is equivalent to TP Wind ExCo: this body lobbies for funding and channeling different funding sources towards the actual projects prioritized during the *Beirat* (see below)
- The *Beirat* is equivalent to the TP Wind General Assemblies meetings. The *Beirat* is organised two times per year, and consists of a first annual session focused on 'new themes' and a second annual session focused on 'new projects'. The second session therefore prioritizes only worked-out project proposals based on themes that were typically approved during the first annual *Beirat*. Members of the *Beirat* are industry members having paid a membership fee that forms an important part of the funding. The aim of the *Beirat* is to:
  1. prioritise new themes, which may be launched by anybody. The *Beirat* coordinates the *Arbeitskreise* and *Arbeitsgruppe* (see below) in formulating the project scope and searching for interested research institutes for implementation;
  2. prioritise the worked-out project proposals based on the provided quotes, thereby following -or not- the recommendation by the "proponent" *Arbeitskreiss*, in turn following -or not- the recommendation of the *Arbeitsgruppen*.
- The *Arbeitskreise* is equivalent to the TPWind working groups. These groups steer and prioritise the work in the *Arbeitsgruppe* in a number of area's of interest,
- The *Arbeitsgruppe* are working teams, not yet existing within TP Wind, and focused on specific sub-themes. This is where the Industry input and cooperation is the most intensive.

This model allows creating a wide and enduring basis for knowledge creation by the execution of several parallel R&D projects. It is self regulated, e.g. regarding IPR issues. An investment level of 10 to 15 million Euro/y, has brought long term sustainable advantage of

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<sup>1</sup> <http://www.fva-net.de>

the whole German mechanical drive industry over many decades. Such a sustained support is needed at EU level.

#### **4. Presentations**

Main documents are available online at: <http://www.windplatform.eu/75.0.html>  
On demand, the Secretariat can provide the PowerPoint presentations.

#### **5. Next meeting**

Next meeting shall be organized in parallel to next TPWind General Assembly. Time and location shall be defined by the TPWind Executive Committee.