

**ETIPWind Steering Committee – Minutes of Meeting**  
**Tuesday 20 June 2017 09:30 – 14:30**  
**WindEurope ASBL, Rue d’Arlon 80, 1040 Brussels – Belgium.**

Minutes of Meeting by:

Alexander Vandenberghe & Aloys Nghiem (WindEurope)

**Part 1: Steering Committee meeting**

**Welcome address by Aidan Cronin, chairman of the Steering Committee.**

- Running through the Agenda of the Steering Committee meeting
- Explained the different seating structure (due to the event later that day)
- Highlighted that we will try out a “new” work-process: thematic workshops. This meeting the workshop will be on digitalisation.

**First agenda item was an update on R&I developments.**

**Aidan Cronin gave a presentation on the re-sharpening of the R&I advocacy strategy:**

- Explaining the broader economic and political context
  - o Onshore wind will, despite the fast growth in offshore, continue to be the driver of wind energy in the near future and both will be instrumental in reaching the EU targets of 23,9% of the electricity mix by 2030.
  - o Currently the EU is a leader in RES and wind energy specifically. We need to retain this technological leadership. In addition, wind energy is an important economic sector and employer across the EU.
  - o There is still room for significant cost reductions both on- and offshore.
  - o Wind energy market is becoming global which offers great opportunities, but also increases competition from other parts of the world.
- Highlighting issues of concern when it comes to wind energy R&I
  - o Decrease in R&I patent applications.
  - o Wind energy not addressed enough in EU funding schemes (H2020).
- Hence the need for “sharpening” the narrative, highlighting the following
  - o R&I drove cost reduction in wind energy
  - o R&I support is needed to ensure a green & clean EU economy
  - o Wind energy is a cutting edge EU technology (and we should keep it this way – no need for another PV scenario)
  - o R&I is needed for maintaining prices and the projects pipeline.
- Demonstrating how the Steering Committee is involved in the advocacy process and showing what the tasks of the SC are and how they are embedded in the larger structure of the WindEurope network.

**Alexander Vandenberghe gave an overview on the ETIPWind Advocacy activities:**

- Most notably, he gave an overview of the past and upcoming high level meetings interactions with the European Commission

- DG Energy: meeting between WindEurope CEO Giles Dickson and director M. Wörsdörfer on 28 June
- DG Energy: ETIPWind Advisory Group will meet C. Jones on 21 June
- DG Research: Patrick Child will come to the WindEurope Summer Reception on 29 June and will be invited to the next AG meeting & A. Siegler

**Alexander also presented the developments of the H2020 work programme 2018-2019:**

- Explaining the drafting process and the the current phase.
  - The Commission is now in the drafting stage. This means that they are finalising the document in combination with the programme committee. This programme committee is a member states' level forum. National governments send their experts to this committee to review and adjust where needed the drafts of the Commission. The Commission takes those comments into consideration and then redrafts the work programme. This new draft will again be presented to the Programme Committee for review or approval.
  - ETIPWind has lobbied to programme committee members to favour more wind related topics in the draft work programme.
  - It important to note that once the programme committee approves on topics, they can hardly be changed. So with each meeting of the programme Committee the window of opportunities narrows.
  - The European Commission is now drafting the **third** draft. This is likely to be the last draft.
  - The final document will be presented in October 2017.
- Some new feaures of the work programme will be:
  - Less topics.
  - Less topics tied to one specific technology. Technologies will now have to compete with each other in addressing the challenges put up by the Commission.
  - Estimated R&I budget that could go to Wind Energy is up to 70 million, based on the second draft, with the third draft we expect this number to go up.
- ETIPWind achievements in improving the work programme for Wind Energy.
  - Able to include more mentioning of onshore wind priorities across the document, notably for next generation rotors and components
  - Virtual Power Plants and EMS
  - Inclusion of bottom fixed offshore in the document
- Wind R&I priorities still missing in the draft are
  - Ancillary services
  - Cables, offshore grids and substations
  - End-of-life and lifetime extension strategies
- An entire section "Transforming the Energy Sector through Digitisation" still needs to be written by the Commission. We expect some wind related topics to be included there.

**Aloys Nghiem presented the Innovation Fund**

- Innovation Fund is the successor to the NER300 and will contain 400 million allowances or approximately 2 Bn. EUR
- It is technology neutral so technologies will have to compete each other for funding.

- Funding will go to those project that best address the prescribed objectives.
- Funding can go via loans, grants, guarantees, equity participation and PPPs. Grants will be preferred for TRL 6-7 and Partial grants and de-risked loans for TRL 8-9
- Funding application will be in two stages as in the former NER300

#### Questions & Answers

#### Second agenda item: Input by & feedback from the European Commission

##### presented by Matthijs Soede, DG Research & Innovation, European Commission

- What can be expected from the next H2020 work programme?
- Wind industry has to keep stressing the need for broad, low TRL research
- Look for synergies with advanced materials and/or advanced manufacturing. R&I funding is possible here too
- Start thinking about FP9, it is better to be ahead of the game

#### Agenda item3: existing and potential synergies:

##### ETIPWind links with ETIPSnet – presented by Jesùs Garcia Martin (Iberdrola)

- ETIPSNET holds regional workshops in September, November & December that will provide input to the next Implementation Plans and the ETIPSnet Roadmap.
- The Implementation Plan includes topics on High RES governance & market design, digitalisation, grid integration and components.
- They are working on a Vision document that will be the basis for all documents looking to 2030 and 2050.
- ETIPSNET is looking to revise the SET Plan action 4. ETIPWind can (and should) contribute to this document via the stakeholder consultation. The Set-Plan implementation plan is a EU Research & Innovation strategy and actions plan aimed at coordinating national activities.

##### ETIPWind strengthening links with the Research community

\*Due to time constraints the presentation was cancelled\*

#### Nomination of the next ETIPWind Steering Committee Chairman

- Aidan Cronin (Siemens Gamesa Renewable Energy) confirmed as SC chairman until September 2018

#### Part 2: Digitalisation workshop

##### Workshop on Digitalisation & Wind Energy Introduction by Aloys Nghiem

- The workshop outcomes will be used as a primary input to an IEA publication on “digitlisation & Energy” which will be published in October 2017
- In the next H2020 work programmes there will also be a section on “Transforming the energy sector through digitisation” for which the workshop outcomes can be used to provide input.
- The objective for the workshop is to create a leaflet of 2-4 pages including a strategic vision for future digitalised systems, the wind R&I challenges related to cost reduction and system integration.

##### Keynote address by Miguel Veganzones (NemSolutions)

- Nemsolutions provides digital services and solutions improving wind turbine (& wind farm) productivity and reducing O&M costs.

- They are not only a data service company, they have knowledge of the industry which helps them in analysing data and tailoring their services and is a great asset to clients in the industry
- Key issues with data are: methodology of acquisition (what data you collect and what not); who is collecting the data and how & with whom the data is shared. There is a balance between protecting data and optimising data analysis. Another challenge is about managing the very large variety of actors, with very different backgrounds and culture, in the digitalisation process.
- Challenges can be categorised under either monitoring, diagnosis or prognosis. Monitoring & diagnosis are challenges directly linked to digitalisation and data gathering and data analysis. Prognosis is a scientific challenge
- Another key issue related to digitalisation is that digitalisation does not only affect operation, but rather the entire enterprise. Going digital requires a cultural change in the corporation, which represents the main challenge for companies.

### Part 3: ETIPWind dissemination Event – EU Sustainable Energy Week

#### The ETIPWind story – supporting Europe’s transition towards clean energy for all

- **The ETIP Wind story – supporting Europe’s transition towards clean energy for all**  
How wind energy is contributing to EU sustainable energy goals (the jobs, the security, the sustainability...), and what more could wind deliver if we deliver on our R&I priorities.
  - **Wind Energy: “The Journey So Far: 1977 ...” – A personal view**  
Presentation by Mike Anderson on the current state of affairs of the wind energy sector in Europe. The first part highlighted the energy policies and economic impact of wind energy. A second part focused on the R&I developments and the evolution of turbine design and manufacturing. The last section focused on the impact of EU funds on R&I developments, showing how EU funding acted as a lever, pushing the industry to new, record breaking heights.
  - **Wind Energy: The R&D policy perspective**  
Presentation by Mattias Andersson (DTU) on the importance of public R&D support for enabling the industry to prepare for future challenges. Mr. Andersson highlighted the large variety of R&I needs of the sector and emphasised that only a small but crucial portion of R&D programmes or needs require EU or other public support.
- **Examples of R&I priority areas, and the transformations they could bring/enable**
  - **Energy Management Systems: enabling the large scale integration of clean energy sources**  
Presentation by Adrian Timbus (ABB) on the importance of Energy Management Systems (EMS) to integration of the vast shares of renewable energy coming into the grid. Investing in EMS will help decarbonisation of the energy system, reduce costs of energy and increase the overall grid efficiency
  - **Real-time analytics and big data for Operations & Maintenance: driving costs down to make clean energy even more affordable**  
Lars Landberg (DNV GL) presented the opportunities and challenges of integrating Big Data and machine learning into business strategies of wind energy companies. The benefits of big data collection and analysis coupled with machine learning could significantly reduce O&M costs, especially in difficult environments such as offshore. R&I support will be critical to unlock this potential.
- **Panel Discussion**  
*Mark van Stiphout, DG Energy, European Commission*  
*Mike Anderson, RES / ETIP Wind advisory board*

*Mattias Andersson, DTU*

○ Topics addressed:

- Brexit and how this will impact the R&I budget of the European Commission

*The overall budget of the European Commission for post 2020 will most probably less than the current budget. However, the R&I budget should receive more or a similar budget*

- How Brexit will impact UK companies interested in joining EU funded projects.

*Depending on the agreement that the UK government will negotiate with the EU, there will be a possibility for UK organisations to participate in EU funded projects. Examples include Norway, Turkey and various north-african countries.*

- The status of FP9

*Negotiations for FP9 are now embedded in the broader budget negotiations (see supra). Stakeholder input is however welcomed by the European Commission as they will start collecting ideas soon.*

- The full agenda and all presentations can be found online [HERE](#)

**Part 4: Networking Reception - in collaboration with LeanWind**