



**iea wind**

**International Energy Agency (IEA)**

## **Task 28 – Social Acceptance of Wind Energy Projects**

**IEA Wind Task 28 Meeting Agenda March 26<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> 2018**

**Venue: Building 115, Riso Campus**

**(Task 28 meeting room name is H.H. Koch)**

**(Bus Number 600S leaves you to the campus front gate (bring ID-your name will be with security), Building 115 is a 1 minute walk from gate. You can get the 600S from Roskilde Train Station)**

The purpose and objectives of this meeting include:

- Days 1 & 2 (Mon & Tue 26<sup>th</sup> & 27<sup>th</sup> Task 28, Day 3 (Wed 28<sup>th</sup> joint session with IEA Wind Task 11 (TEM 90 on Community and Distributed Wind Room name is Johannes Juul)
- Update on involvement in Task 28 Phase III and introduction of participating members, observers, stakeholders
- Discuss progress on four Task 28 workplans and have a workshop per work plan
- Discuss and agree working arrangements and expectations of participants
- Develop draft deliverables and schedule to finalise.
- Agree next set of deliverables and meeting dates
- Agree date and location of 2019 meeting
- Familiarise participants with current debates and initiatives in Denmark and to use this as a stimulus for cross-country learning



### MEETING ATTENDEES

#### Task 28 Participants (existing & potential Task participants):

- **U.S.A.** Suzanne Tegen (& Joe Rand via teleconference)
- **Finland** Lasse Peltonen (tele-participate on Tuesday 27<sup>th</sup>)
- **Germany** Gundula Huebner & Jan Hildebrand
- **Denmark** Kristian Borch, Tom Cronin, Kaushik Das, Laura Tolnov Clausen, David Philipp Rudolph
- **Ireland** Geraint Ellis, Garry Keegan
- **Portugal** Susana Batel
- **Japan** Yasushi Maruyama
- **Switzerland** Pascal Vuichard (joining at noon on Monday 26<sup>th</sup>)
- **Canada** Jamie Baxter
- **U.K.** Patrick Devine-Wright (University of Exeter) (joining Tuesday 27<sup>th</sup>)
- **Norway** Mikaela Vasstrom, (University of Agder)
- **Netherlands** Marielle de Sain

#### Observers / Presenters:

- Ian Baring-Gould (NREL-USA / TEM 90)
- Davy Marcel (Switzerland / Task 11 OA / TEM 90)

### MONDAY 26<sup>TH</sup> SESSION 1

- 9am** Registration
- 9.30am** Introductions / Opening Remarks: Garry Keegan (T28 Operating Agent), Kristian Borch & Tom Cronin (DTU Host & Denmark Exco Member)
- 10am:** Garry Keegan: Phase 3 Work plan Summary, Priorities & Deliverables Arrangements for Task Execution, Meetings Schedule, Exco Reporting, Budget & Administration, New Participants, Website Update.
- 10.30am:** Series of 10 minute presentations by existing participant & observer countries.  
Geraint Ellis (Ireland), Kristian Borch & Tom Cronin (Denmark), Gundula Huebner & Jan Hildebrand (Germany).
- 11am:** **Tea/Coffee Break**
- 11.30am:** **Contd./..** Series of 10 minute presentations by existing participant & observer countries.  
Suzanne Tegen (USA), Yasushi Maruyama (Japan), Susana Batel (Portugal), Jamie Baxter (Canada), Mikaela Vasstrom, (Norway), Marielle de Sain, (Netherlands).
- 12.30pm:** **Lunch**

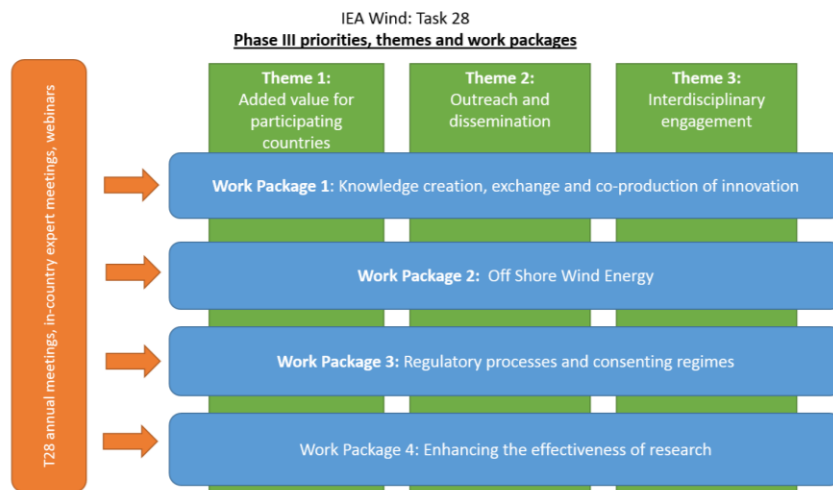


**MONDAY 26<sup>TH</sup> SESSION 2**

**2pm: Work Plan 1 Workshop Chaired by WP Lead Gundula Huebner:**

**Knowledge creation, exchange and co-production of innovation**

Discussion on progress to date by work plan leader, general priorities and expectations of participants, stakeholders, observers. Develop Draft Deliverable.



**3pm: Tea / Coffee Break**

**3.30pm Switzerland participant country update by Pascal Vuichard**

**3.40pm: Work Plan 2 Workshop Chaired by WP Lead Garry Keegan:**

**Off-Shore Wind Energy: unique challenges of social acceptance**

**Presentation by Marielle de Sain, Netherlands.**

Discussion on progress to date by work plan leader, general priorities and expectations of participants, stakeholders, observers. Develop Draft Deliverable.

**5pm: Close**

**Monday Evening**

**6pm Social Gathering with Task 11 / TEM 90 Group**

**7pm Dinner Hosted by DTU at Comwell Hotel, Roskilde**



**TUESDAY 27<sup>TH</sup> SESSION 3**

- 9am:** Introduction
- 9.10am:** **Work Plan 3 Workshop Chaired by WP Lead Kristian Borch:**
- Regulatory processes and consenting regimes**
- Discussion on progress to date general priorities and expectations of participants, stakeholders, observers. Develop Draft Deliverable.
- 10.10am:** Discussion on IEA Wind Website & Task 28 portal, Information Exchange & Dissemination
- 10.30am:** **Time-out for Work Plan mini-groups (x4) discussions & summary development**
- 11am:** **Tea/Coffee Break**
- 11.20am:** **Work Plan 4 Workshop Chaired by WP Lead Geraint Ellis:**
- Enhancing the effectiveness of research in social acceptance of wind energy**
- Discussion on progress to date by work plan leader, general priorities and expectations of participants, stakeholders, observers. Develop Draft Deliverable.
- 12.30pm:** **Lunch followed by visit around Riso campus to test turbines and other energy demonstrations**
- 2.30pm** **U.K. country / research update by Patrick Devine-Wright**
- 2.45pm** **Finland participant country update by Lasse Peltonen (tele-participate)**
- 3pm:** **Tea/Coffee Break**
- 3.15pm:** Summary / Discussion led by each work plan leader of work plans 1-4, draft deliverable structure, next steps, date for final deliverable.
- 4.30pm** Concluding Remarks, Communications Prior to Exco81 Presentation May 2018  
Next Meetings (Virtual & In-Person).
- 5pm:** Task 28 Meeting Close



### **Wednesday – March 28<sup>th</sup> – Development Challenges (co-sponsored with Task 11)**

Efforts on Wednesday are organized around addressing the non-technical issues, sometimes referred to deployment or soft cost issues, of the expanded use of distributed wind technologies. Through focused breakout sessions where attendees will be asked to build on the list of most critical deployment challenges and solutions to allow distributed wind market to expand. A final breakout session will work to identify the different organizations and resources needed to address these challenges. The breakout groups will be topically focused as defined below.

8:30 AM Introductions

8:45 AM Introduction to Task 11 work

9:00 PM Guiding talk – Level of Impact of Development Challenges

Based on research conducted at NREL, this presentation will review the key factors that impact the deployment of distributed wind technologies in the US market, specific adoption rate, technology advancement, siting constraints, policy, and financing costs.

9:30 AM Guidance for Breakouts and Locations – Ian Baring-Gould

9:40 AM Breakouts on Development Challenges and Potential Solutions (in three breakout groups)

In this first session we will build on the discussions of Monday night, focusing on the deployment challenges associated with distributed wind. In each breakout workshop participants will evaluate non-technology needs and identify solutions including topics such as: siting, permitting, technology acceptance, business models and financing models.

11:30 AM – Deployment Challenge and Solutions Breakout Reporting

11:50PM Discussion - Role of Distributed Wind in the IEA

Distributed wind has played an understated role within the IEA Wind research and is not typically considered as part of general discussions. This is exhibited in that large-scale land based wind and offshore wind have large national efforts although in many cases, equal market potential exists for distributed applications, especially as markets expand in developing nations in the face of climate mitigation and other drivers. This session will explore how distributed and community wind topics can be integrated into IEA activities.

12:30 PM Lunch and continued discussion

1:30 PM Breakouts on roles and resources to address develop challenges (in three breakout groups)

The last break-out session will be used to identify roles, resources and timelines to address the deployment focused challenges identified in the previous sessions, allowing a better understanding of how we can get done what needs to be done.

2:30 PM – Deployment Challenge and Solutions Breakout Reporting



2:50 PM Break

3:00 PM Next Steps

This session will discuss appropriate next steps from the dialog, including but not limited to:

- Development of a summary report on needs for the distributed wind industry
- Input into the IEA-Wind 5-year plan on distributed wind
- Plan for expanded DW engagement in the IEA Wind ExCo

4:00 PM Wrap-up

4:15 PM Adjourn for the day

**Breakout Groups:**

Small Groups for breakout sessions are envisioned to be done by market segment given that different challenges, and solutions, may be turbine size and market focused. The following breakout groups are proposed, but a different structure could be implemented based on discussions prior to the meeting.

- 1) Community distributed wind projects, including ownership models
- 2) Isolated and islanded communities
- 3) Behind the meter, residential and commercial applications