IEA Wind TEM#102 on Airborne Wind Energy

Online meeting, 23-24 September 2020

Meeting Agenda

Organising Committee:

Kristian Petrick – Airborne Wind Europe
Udo Zillmann – Airborne Wind Europe
Andy Clifton – WindForS, Germany
Chris Vermillion – NC State University, USA
Jochem Weber – NREL, USA
Roland Schmehl – TU Delft, Netherlands
Shigeo Yoshida – Kyushu University, Japan
Nicolas El Hayek – IEA Wind Task 11 Operating Agent

Agenda 23-24 September 2020

Time	Topic	Presenter
Wednesday, 23 September 2020		
Introduction Session		
13:30 CEST	Check-in	All
13:30	Welcome and meeting overview	John McCann
13:35	IEA Wind TCP and Task 11	Nicolas El Hayek, *IEA Wind*
13:40	Speed-Dating - online meeting ice-breaker *3 min. break-out groups with 3 randomly chosen participants*	
13:45	Current state the AWE sector: Short presentation for newcomers	Udo Zillmann, *Airborne Wind Europe*
14:00	Vision(s) for Airborne Wind Energy Sector *Introductory note followed by 20 min. moderated plenary, collecting "visions" from different stakeholders, involvement in the industry.*	Roland Schmehl, *TU Delft*
14:20	"TEM mission statement" and criteria for selection of topics, level of risk and reward	Jochem Weber, *NREL*
14:30	Break (5 min.)	
Session 1		
14:35	*2 x 10 min. presentation per topic*	
14:40	1. Resource Potential: Wind Studies and Power Curves *Presentation plus Q&A*	Philip Bechtle, *Uni Bonn*
15:00	2. Environmental and social integration *Presentation plus Q&A*	Kristian Petrick, *AWEurope*

Time	Topic	Presenter
15:20	**Moderated Break-out sessions on the two presented topics** *Goals:* • *Provide feedback on topics* • *Identify/prioritise 3-5 specific topics which can form future Working Groups within an AWE Task* • *Identify potential points of collaboration with other IEA Wind tasks (e.g. Task 25 System integration, Task 26 Cost of Wind, Task 28 Social, Acceptance, Task 41 Distributed Wind, etc).* • *Potentially define Working Group Leaders*	
15:50	Plenary with short overview of results of break-out groups *Short discussion / Q&A (15 min.)*	
16.05	Break (25 min.)	
Sessions 2		
16:30	3. Safety aspects and airspace regulation *Presentation plus Q&A*	Michiel Kruijff, *Ampyx Power*
16:50	4. Common design tools, simulations and reference model *Presentation plus Q&A*	Chris Vermillion, *NC State University*
17:10	**Moderated Break-out sessions on the two presented topics**	
17:40	Plenary with short overview of results of break-out groups *Short discussion / Q&A (15 min.)* Short summary of the day	
18:00	Close of day	Brian Smith
Thursday, 24 September 2020		
13:30 AM	Check-in	All
5 min.	Welcome and Recap of Day 1	Kristian Petrick
3 min.	Speed-Dating *3 min. break-outs with 3 people randomly chosen by the system*	
Session 3		
13:40	5. Definitions, (performance) metrics, technology assessment *Presentation plus Q&A*	Jochem Weber, *NREL*
14:00	6. Electrical system *Presentation plus Q&A*	Christoph Hackl, *University of Applied Sciences Munich*
14:20	**Moderated Break-out sessions on the two presented topics**	
14:50	Plenary with short overview of results of break-out groups *Short discussion / Q&A (15 min.)*	Overall moderator: Kristian
15:10	Break (10 min.)	
Session 4		

Time	Topic	Presenter
15:20	7. Educational needs *Presentation plus Q&A*	Roland Schmehl, *TU Delft*
15:40	(3min intervention: AWE customer view) 8. Road mapping *Presentation plus Q&A*	Daniel Zywietz (Enerwhere) Jon Gjerde, *Airborne Wind Europe/Kitemill*
16:00	**Moderated Break-out sessions on the two presented topics**	
16:30	Plenary with short overview of results of break-out groups *Short discussion / Q&A (15 min.)*	
16:45	Break (15 min.)	
Final Session		
17:00	Discussion and consensus among all participants • Interactive poll • Noting potential participants for each thematic area	
17:20	Timelines and Next steps	Udo Zillmann
17:30	Event close	Nicolas El Hayek, *IEA Wind*