

IEA Wind TEM# 111 on REANALYSES FOR WIND ENERGY Tentative Agenda 25-26th April 2024, Lyngby, Denmark

DAY 1 - THURSDAY 25 April 2024							
Time	First name	Last name	Country	Company/Organisation	Title	Topic	
08:30	09:00	Welcome					
09:00	09:10	Introduction					
		Rémi	DK	C2Wind			
		Jake	DK	DTU			
		Ignacio	CH	IEA Wind Task 11 / Planair	Introduction to IEA Wind		
09:15	09:45	Regional reanalysis from Australia / New Zealand					
09:15	09:25	Chun-Hsu	AU	BOM	<i>Pending</i>	BARRA	
09:25	09:35	Stuart	NZ	NIWA	NZRA: production and application of a high-resolution regional reanalysis for Aotearoa New Zealand	NZRA	
09:35	09:45	Q&A with all speakers					
09:45	10:45	Short presentations on use cases (state of the art)					
09:45	09:55	Lasse	DK	EMD	<i>Pending</i>	Wind & Site	
09:55	10:05	Jacob	DK	DHI	Offshore wind design applications of reanalysis data for metocean modelling and analysis	Metocean	
10:05	10:15	Justin	US	Sharpely Focused	The Urgent Need for Quality Weather Data to Support Decarbonization	Power Grid	
10:15	10:25	Jiali	US	ANL	<i>Pending</i>	Downscaling	
10:25	10:35	Julia	DE	Fraunhofer IWES	How reanalysis help us improving on-site measurements	Wind & Site	
10:35	10:45	Q&A with all speakers					
10:45	11:00	Break with food and drinks					
11:00	12:30	Keynotes on global reanalyses: current status and future plans					
11:00	11:30	Jim	US	NOAA	Status of Reanalysis Products and Renewable Energy Applications at NOAA's Physical Sciences Laboratory		
11:30	12:00	Michael	US	NASA	<i>Pending</i>		
12:00	12:30	Paul	DE	ECMWF	<i>Pending</i>		
		Delphine	DE	ECMWF			
12:30	12:45	Q&A with all speakers					
12:45	13:45	Lunch					
13:45	15:15	Regional reanalysis					
13:45	14:00	Semjon	SE	SMHI	<i>Pending</i>	CERRA	
14:00	14:15	Birgitte	NO	Meteorological Institute	The 3-km Norwegian reanalysis - NORA	NORA3	
14:15	14:30	Thomas	DE	DWD	User-oriented evaluation of reanalyses at DWD with focus on offshore wind energy	DWD Reanalysis	
14:30	14:45	Paula	GB	Met Office	Using reanalysis for energy applications: a climate scientist perspective	Climate	
14:45	15:00	Simone	IT	RSE	Regional reanalysis & wind atlas for Italy	Downscaling	
15:00	15:15	Q&A with all speakers					
15:15	15:30	Break with food and drinks					
15:30	17:00	Future uses / improvements and shortcomings					
15:30	15:40	Lasse	DK	EMD	<i>Pending</i>	Wind & Site	
15:40	15:50	Diogo	PT	Megajoule	End-user Perspective on the Usage of Wind Reanalysis	Site Conditions	
15:50	16:00	Gil	BE	Climate Scale	How can reanalysis help us understand and quantify future wind conditions	Climate Change	
16:00	16:10	Justin	US	Sharpely Focused	<i>Pending</i>	Power Grid	
16:10	16:20	Q&A with all speakers					
16:20	16:30	Rogier	DK	DTU	Current usage and future applications of reanalysis data	Downscaling	
16:30	16:40	Natacha	DK	Vattenfall	Reanalysis in offshore wind industry and impact on metocean design parameters	Metocean	
16:40	16:50	Michael	UK	The Crown Estate	<i>Pending</i>	Project planning	
16:50	17:00	Q&A with all speakers					
17:00	17:30	Debriefing in small groups - unwinding - preparation of Day 2					

DAY 2 - FRIDAY 26 April 2024

08:30 09:00 Welcome

09:00 09:15 Debrief of day 1 + results of online survey

09:15 10:15 **Session 1: improvement of existing datasets (access, usage, validation)**

Group A (focus: offshore wind and metocean)

Group B (focus: pre-construction phase)

Group C (focus: operation / grid / O&M)

Group D (focus: others)

This session will be focused on the current situation with datasets we have today:

- how do we work together today? how does your network look like?
- what are the challenges we are facing?
- what initiatives are required to solve these challenges?

People can join one of the groups based on their interest and their expertise (or both). In each group a moderator (and one member of the organization team) will take notes and help write down project ideas (a template will be provided).

10:15 10:45 Debriefing Session 1

10:45 11:00 Break with food and drinks

11:00 12:00 **Session 2: improvement of future datasets**

Group A (focus: offshore wind and metocean)

Group B (focus: pre-construction phase)

Group C (focus: operation / grid / O&M)

Group D (focus: others)

This session will be focused on the near and long term situation:

- what do we want to achieve in the future?
- what initiatives are required to solve these challenges?
- what does this imply for future reanalysis datasets
- how do we want to work together in the future? (there are no predefined approaches, all suggestions are welcome, IEA Wind Task is one out of many possibilities)

People can join one of the groups based on their interest and their expertise (or both). In each group a moderator (and one member of the organization team) will take notes and help write down project ideas (a template will be provided).

12:00 12:30 Debriefing Session 2

12:30 13:00 Good bye and lunch thereafter for those who can stay