

Wind Research for North Sea Wind Energy

Goal: get input for scientific program GROW and “Kennis Innovatie Agenda” Topsector Energie.

Friday 9th of February 2018, 10:00-16:00 KNMI, De Bilt

Chair: **Ine Wijnant (KNMI)**

09:30 Coffee (and uploading presentations)

- 10:00-10:15 **Gerard van der Steenhoven KNMI** and **Bob Meijer TKI-WOZ**: *Welcome*
- 10:15-10:30 **Joost Vermeulen EZK**: *Dutch offshore wind energy policy and its consequences for innovation and measurements*

Power and weather window forecasts (part 1)

- 10:30-10:45 **Leon Saris BMT Argos**: *Weather and wave forecasts for wind energy*
- 10:45-11:00 **Harm Jonker Whiffle**: *Weather Finecasting for Offshore Wind Energy Applications*

11:00-11:15 Coffee & snack

Power and weather window forecasts (part 2)

- 11:15-11:30 **Reinder Ronda / Gertie Geertsema KNMI**: *Medium range and inter-seasonal wind and wave forecasts*
- 11:30-12:00 **Andreas Sterl KNMI**: *Wind in KNMI'14 and new developments* / **Bernadet Overbeek KNMI**: *Interactive session in order to compile wishes for the 2021 scenarios*

North Sea Wind Climatology and load assessments

- 12:00-12:15 **Jan-Willem Wagenaar ECN**: *Dutch Offshore Wind Atlas*
- 12:15-12:30 **Henk van den Brink KNMI**: *Wind gust climatology*
- 12:30-12:45 **Peter Kalverla WUR**: *An offshore climatology of anomalous wind events*

12:45-13:30 Lunch & poster session

Inter Annual Variability (IAV) & securing energy supply

- 13:30-13:50 **Robert Vautard LSCE**: *Wind energy in a changing climate*
- 13:50-14:10 **Marie-Anne Cowan DNVGL**: *A review of wind speed inter-annual variability for the UK offshore wind climate*
- 14:10-14:30 **Jan Vorrink Tennet**: *Secure sustainable electricity supply*

14:30-15:00 Tea

Bob Meijer TKI-WOZ and **Ernst van Zuijlen GROW** lead interactive session about North Sea Offshore Wind Energy:

- 15:00-15:30 Input for R&D programs, e.g. for the TKI-WOZ R&D-project tender round in April 2018 (**Peter Eecen ECN**, **Jan Coelingh NUON Vattenfall**, **Jan Matthijsen PBL** and **Simon Watson TUD**)
- 15:30-16:00 Discussion about measurement infrastructure (**Sandra Dijke van Langezaal KNMI**, **Erik van Iperen Shell**, **René Peters TNO** and **Jo Peters NOGEPa**)

16:00 Closing remarks & drinks

WIFI: Netwerk = **KNMI-gasten** Gebruikersnaam = **winddag** Wachtwoord = **knmi**

Presenters Wall Tool = **TKI.presenterswall.nl**