EERA DTOC at EWEA Offshore 2015

Public Event ***at EWEA Offshore Conference 2015, Bella Centre, Copenhagen***

New design tool for offshore clusters

EERA-DTOC Final Conference-
Design Tool for Offshore Clusters

When: Tuesday 10 March, 14:30-16:30 (welcome coffee from 14:00)

Where: Level 1, Room 7

After 3 years of research and software integration, the European Energy Research Alliance – Design Tool for Offshore Wind Farm Cluster project (EERA-DTOC) presents the result of its findings: the Wind and Economy design tool.

WindEco addresses some of the big challenges of planning offshore wind farm clusters by allowing wind farm developers to comprehensively model the large-scale effects of clustered wind farms in order to optimise the wind farm's layout through calculating annual energy production, estimating losses and predicting costs.

The tool can also help strategic planners in defining potential areas for new offshore clusters, optimising onshore grid connections and simulating services like power balancing and voltage support from offshore wind farms. FP7-ENERGY-2011-1/ n°282797

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Welcome Coffee
2:00-2:30 pm

EERA DTOC Project Overview
2:30-2:40 pm
Peter Hauge Madsen and Charlotte Bay Hasager
DTU Wind Energy, DK

DTOC Software
2:40-3:00 pm
Gregor Giebel and Igor Waldl
DTU Wind Energy, DK and Overspeed, DE

Perspectives on EERA DTOC from industry partners
3:00-3:10 pm
Jan Matthiesen
Carbon Trust, UK

Questions and Answers
3:10 – 3:30 pm
Moderator: Charlotte Hasager
DTU Wind Energy, DK

Wind farm wake verification
3:30-3:50 pm
Kurt S. Hansen
DTU Wind Energy - DK

Scenarios near-future
3:50-4:00 pm
Gerard Schepers
ECN – Energy Research Center of the Netherlands, NL

Scenario far-future
4:30-4:10 pm
Olimpo Anaya-Lara
University of Strathclyde, UK

Questions and answers
4:10 - 4:25 pm
Moderator: Charlotte Hasager

Wrap-up
4:25 – 4:30 pm

EERA DTOC at EWEA Offshore 2015 in Conference Program

Tuesday, 10 March 2015
17:00 - 18:30 Resource assessment - The building blocks

Resource assessment
Room: A11

Abstract ID: 453
Kurt Schaldemose Hansen
DTU Wind Energy, Denmark
Simulation of wake effects between two wind farms.

Abstract ID: 88
Patrick Johannes Hendrik Volker
DTU Wind Energy, Denmark
Application of mesoscale models with wind farm parametrizations in eera-dtoc

Wednesday, 11 March 2015
10:45-11:45 and 16:00 - 17:00

Resource assessment
Poster presentation

P0.169
Alfredo Peña
DTU Wind Energy, Denmark
Far wake wind field comparison between satellite wind retrievals and microscale model

Thursday, 12 March 2015
11:45 - 13:15 Overall optimised layout design for lowest LCoE

Supply chain, logistics & O&M
Room: A11

Abstract ID: 42
Charlotte Hasager
DTU Wind Energy, Denmark
Design tool for offshore wind farm clusters

EERA DTOC stand at the exhibition

You are invited to visit us at the EERA DTOC stand during the conference hours.

We are located at the **ground floor** in the corridor that leads from the conference registration desks to the exhibition (Hall E).

Please find us at this map