

**The European Energy Research Alliance
 Design Tools for Offshore Wind Farm Cluster:**
*From design and integration to development and validation of the design tool for
 offshore clusters: industry needs and expectations*

Seminar at EWEA Offshore 2013
 19 November, Frankfurt Messe, Room Substanz

The event will highlight main findings with regard to wake modeling, grid infrastructure and energy yield for an optimal layout of the design tool for offshore wind farm clusters. For more information on the project, please visit www.eera-dtoc.eu

16:00 – 16:10	Welcome and Introduction <i>Peter Hauge Madsen /Charlotte Bay Hasager, DTU Wind Energy</i>
16:10 – 16:25	Project achievements: wake modeling: Energy yield prediction of wind farm clusters <i>Alfredo Peña, DTU Wind Energy</i>
16:25 – 16:40	Project achievements: grid interconnection optimisation and power plant system services <i>Luis Mariano Faiella, IWES Fraunhofer</i>
16:40 – 16:55	Project achievements: resources and energy yield <i>Elena Cantero Nouqueret, CENER</i>
16:55 – 17:10	From integration to development of the EERA-DTOC tool: main steps and challenges <i>Gregor Giebel, DTU Wind Energy</i>
17:10 – 17:25	Validate and demonstrate the design tool: scenarios and demos <i>Gerard Schepers, ECN</i>
17:25 – 17:40	Open debate with the audience, Questions, Final comments

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