



norcowe

Norwegian Centre for Offshore Wind Energy

Invitation to centre opening

October 27th, 2009

Clarion Hotel Bergen Airport

Please respond before October 14th, 2009 to
mona@cmr.no, tel.: +47 55 57 42 13

NORCOWE

The Norwegian Centre for Offshore Wind Energy

Power production from wind energy at sea is a major new industrial opportunity for Norway and Norwegian private enterprises. The Norwegian Centre for Offshore Wind Energy (NORCOWE) will be a cross-disciplinary competence and resource centre that contributes to realising this opportunity.

Existing commercial solutions for power production from offshore wind are based on traditional (land-based) wind turbine concepts installed on the seabed relatively near the coast and in shallow waters. Floating solutions for deeper waters are being developed, but are still in the experimental phase. At NORCOWE, key industry players and research groups from Norway pool their efforts with leading stakeholders from Denmark and other countries to create a research community with wide-ranging expertise. NORCOWE's ambition is to be a leading, creative environment where research and industry collaborate on developing the foundation for new, innovative solutions for offshore wind power that are both environmentally sound and cost-effective.

The centre will give priority to activities involving technological and environmental challenges within five main areas:

- Wind and sea modelling
- Technology and new concepts
- Localisation and operations
- Wind farm optimisation
- Safety and the environment

Total budget (2009-2016) is MNOK 240, M€28, MUSD 40.

The centre will collaborate with industry as well as other research groups and competence centres to gain access to infrastructure and testing facilities. NORCOWE will also help to foster future personnel resources by educating a significant number of Master and doctoral candidates. NORCOWE is a future-oriented centre that targets entirely new industrial areas for which complete technological solutions do not yet exist.

The NORCOWE research partners are:

Christian Michelsen Research AS
(host institution and project owner)
Unifob AS
University of Bergen
University of Agder
University of Stavanger
Aalborg University

The NORCOWE industrial partners are:

Statkraft Development AS
Vestavind Offshore AS
Agder Energi AS
StatoilHydro Petroleum AS
Lyse Produksjon AS
Aker MH AS
National Oilwell Norway AS
Origo Engineering AS
Norwind AS

NORCOWE receives funding of MNOK 120 (50% of total budget) from The Research Council of Norway as part of a national initiative to strengthen research on environment-friendly energy research (CEER scheme)

Tuesday 27 October 2009

1100 Registration

1130 Lunch

1230 Opening session

- Welcome and introduction, Hans Roar Sørheim, Vice president, CMR
- Opening speech, Jørn Paus, Project Manager Renewable Energy, StatoilHydro
- Centres for Environment-friendly Energy Research (CEER) - The Research Council's expectations, Dag Kavlie, Advisor RCN
- Presentation of CEERs on offshore wind:
NORCOWE, NOWITECH, CEDREN

1415 Refreshments

1430 Industry session

Chair: Øyvind Kristiansen, R&D Coordinator Windpower, Statkraft

Presentations of perspectives on offshore wind seen from the energy and technology sectors, and motivation for participation in NORCOWE.

Views from the energy sector

- *Lyse*, Pia P. Weider, Project Manager
- *Vestavind Offshore*, Ketil Konglevoll, CEO

Views from the technology sector

- *Norwind*, Trygve Arnesen, CEO
- *Origo Engineering*, Trond Friisø, R&D Manager

1615 Refreshments

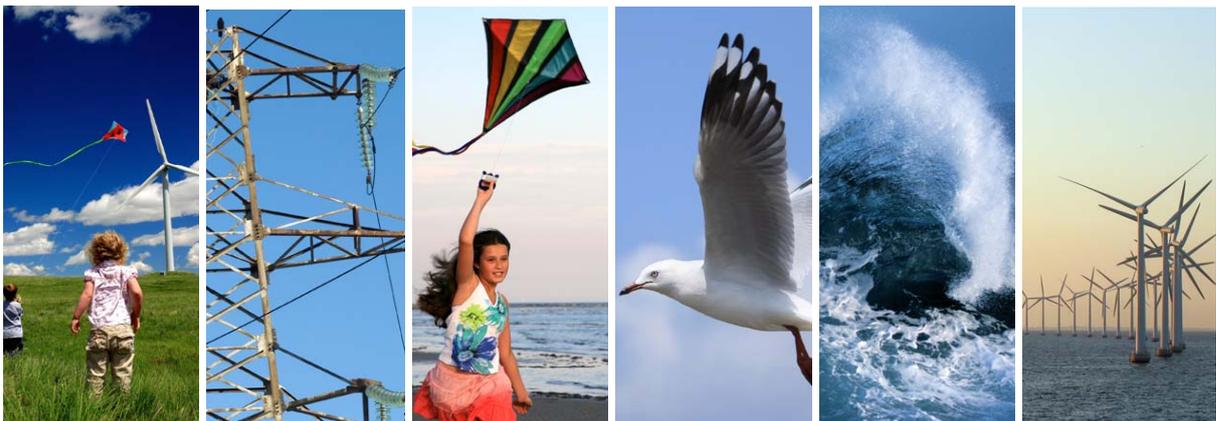
1630 Research session

Chair: Prof. Peter M. Haugan, University of Bergen, Scientific Manager NORCOWE

Presentations of R&D activities in Denmark and Europe

- *R&D challenges for wind energy production when going offshore.* Prof. John Dalsgaard Sørensen, Aalborg University
- *A European perspective on offshore wind R&D.* Prof. W.E. Leithead, University of Strathclyde
- *Loads on floating wind turbines.* Finn Gunnar Nielsen, Chief Researcher, StatoilHydro

1900 Dinner



Practical Information

Registration

Participation by invitation only and pre-registration is required. Please register before October 15th, 2009 to mona@cmr.no, tel. +47 55 57 42 13.

Directions

[Clarion Hotel Bergen Airport](#) is located with an entrance opening directly into Flesland Airport, about 30 min outside the city centre of Bergen ([see map here ...](#)).

Car parking: information and prices at [Europark](#).

Hotel booking

If you need to stay overnight a small number of rooms have been reserved at [Clarion Hotel Bergen Airport](#) at a price of NOK 1537.

Bookings are made directly to: malin.hagander@choice.no or tel +47 56 10 00 16. Please use *ref.no: 91531*. Our room reservation expires on October 13th 2009.



The scheme of the Centres for Environment-friendly Energy Research (FME) seeks to develop expertise and promote innovation through focus on long-term research in selected areas of environment-friendly energy, transport and CO2 management in close cooperation between prominent research communities and users.

More information about NORCOWE at www.norcowe.no