

# National and international cooperation



## International cooperation

The NORCOWE brand has been strengthened during 2015 and the brand is now recognized in the Norwegian and international offshore wind energy community.

Two large joint projects have been carried in NORCOWE last year, namely the OBLEX-F1 campaign and the definition of NORCOWE Reference Wind Farm (NRWF). Several NORCOWE partners have been involved in OBLEX-F1 together with German governmental institutions and research institutions. The first preliminary analyses have been done. We foresee that these data will be used by the international offshore wind community for many years.

NRWF has been set up by Aalborg University and Uni Research.

The effort to define baseline versions of the RWF, up to the point at which annualised costs of energy were obtained, took place within Uni Research and Aalborg University during 2014-15. A website is set up, where you find information about site characterisation, layouts, wakes & loads, farm management, operations and costs.

NORCOWE is member in IEA Wind task 32 (Wind Lidar Systems for Wind Energy Deployment), task 36 (Forecasting for Wind Energy) and task 37 (Wind Energy Systems Engineering: Integrated RD&D).

NRWF will be used in the development of IEA Wind task 37



“Wind Energy Systems Engineering: Integrated RD&D”. Using NRWF as one of the reference wind farms is a good way of enhancing cooperation between NORCOWE partners and major players in the international wind energy community. It is an efficient way to disseminate results from the centre. Taking part in IEA Wind tasks, EERA JP Wind, Horizon 2020 and international standardization committees is the core of NORCOWE’s international commitment.

We have MoU with DTU Wind, Fraunhofer IWES, ECN (the Netherlands) and NREL (USA). The majority of our international partners come from Europa, but we have also cooperation with institutions in USA, South Africa and Japan.

### National cooperation

NORCOWE has cooperated with NOWITECH on the summer school. NORCOWE and NOWITECH have also appointed a member to the sister center’s scientific advisory committee. Finn Gunnar Nielsen is representing NORCOWE in NOWITECH’s committee.

A new FME application (COWIND) was submitted in November 2015 with partners from the two current FME centres.

NORCOWE has also worked together with local public and private bodies like Greater Stavanger, NODE and Bergen Chamber of Commerce and Industry in order to promote offshore wind energy.

