

Project Acronym : POW'WOW

Project Title : Prediction of Waves, Wakes and Offshore Wind

Coordinator : Danmark Tekniske Universitet (Denmark)

Website : <http://powwow.risoe.dk/>

ABSTRACT

The purpose of this project is to co-ordinate the European activities related with a short-term forecasting of wind power, offshore wind and wave resource prediction, and offshore wakes in large wind farms. POW'WOW aims to spread the knowledge gained from these projects among the partners and colleagues, and to start the work on some roadmaps for the future. In the fields of short-term forecasting and offshore energy resource, Expert Groups will be formed to act as the central focus point for external stakeholders. The liaison with other groups will also include groups outside of Europe. To facilitate the spread of knowledge, a number of workshops are planned, being smaller and more focused on their topics than the usual conferences. In order to include more researchers from the new member states, they can get travel grants paid from the project. One issue hampering the progress in our fields is the difficulty of getting access to good data. In most cases, data on offshore wind or power is strictly confidential, and also data on onshore wind power, especially in conjunction with numerical weather predictions, is not easy to come by. Finally, this Coordination Action will also support preparation of next actions such as a Network of Excellence or an Integrated Project, connecting many additional partners within the European Research Area.

PARTNERS

Danmark Tekniske Universitet – DTU – **Denmark**; Universidade Federal de Pernambuco – UFPE - **Brazil**; EC Brec Instytut Energetyki Odnawialnej – ECBREC – **Poland**; Universidad Carlos III de Madrid – UC3M – **Spain**; The University of Edinburgh – **United Kingdom**; Instituto Nacional de Engenharia, Tecnologia e Inovacao – INETI – **Portugal**; Fundación CENER-CIEMAT – **Spain**; Carl Von Ossietzky Universität Oldenburg – **Germany**; Consiglio Nazionale Delle Ricerche – CNR-ISAC – **Italy**; Institute of Accelerating Systems and Applications – IASA – **Greece**; Energy & Meteo Systems – **Germany**; Association pour la Recherche et le Developpement des Méthodes et Processus Industriels – ARMINES – **France**; Institut Fuer Solare Energieversorgungstechnik – ISET – **Germany**.