

# POW'WOW – A Coordination Action on Prediction Of Waves, Wakes and Offshore Wind



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## Objectives

POW'WOW is a new Coordination Action trying to harmonise approaches to wave and wind modelling offshore, helping the short-term forecasting and wake research communities by establishing virtual laboratories, offering specialised workshops, and setting up expert groups with large outreach in the mentioned fields.

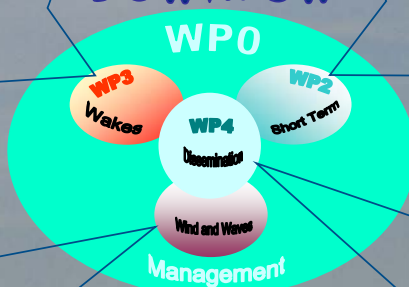
### Wakes

- Virtual laboratory containing evaluation data sets from offshore wind farms to evaluate the state-of-the-art in wake modelling
- Workshop to be held in Oldenburg to will focus on the test cases from the virtual laboratory
  - Guidelines for good practice for integrating wake and short-term forecasts

### Short-term forecasting

- Setting up an expert group to link to the user community and meteorological institutes
- Virtual laboratory to exchange data, compare Numerical Weather Prediction accuracy and evaluate short-term wind predictions
- Best-practise workshop for dispatchers
  - International liaison – outside EU

## POW'WOW



### Dissemination

- Dissemination including public web page, presentations at conferences and workshops, lobby groups, outreach to scientific and user communities, publications in journals for the energy market and for policy.
- Future activities focuses on developing proposals

### Offshore meteorology

- Setting up expert group to study integration of wind and wave modelling for energy prediction,
- Study and benchmarking of resource models
- Workshop on offshore meteorology and integrating wind and wave resource modelling



## Notice board

### Workshops

POW'WOW and Anemos workshop on short-term prediction experiences, Dublin, 7 Sept 2006 (*tentative date*)  
 Short-term prediction: Dispatcher training (watch this space, winter 2006/2007)

### Vi-labs

Data needed: Numerical Weather Predictions, evaluation of short-term forecasts (i.e. wind farm), offshore wake data  
 Offered: Compare your short-term forecasts or wake model performance

### Expert groups

We welcome your expression of interest for participation in the expert group on offshore meteorology (wind and wave) – see website for details.