Atmospheric modelling for wind energy, climate and environment applications: exploring added value from new observation technique

Fact Sheet

Project information

**MODOBS**

Grant agreement ID: 19369

Start date
1 January 2006

End date
31 December 2009

Funded under: FP6-MOBILITY

Coordinated by: DANMARKS TEKNISKE UNIVERSITET (TECHNICAL UNIVERSITY OF DENMARK)

Denmark

**Objective**

ModObs is a European training-through-research network, which addresses the improvement of atmospheric boundary layer (ABL) models to investigate the interplay of processes at different temporal and spatial scales, and to explore the added value from new observation techniques.

The overall goal is to bring young scientists to work together with experienced researchers in developing a better interaction amongst scientific communities of modellers and experimentalists, using a comprehensive approach to "Climate Change", "Clean Energy assessment" and "Environmental Policies", issues. Furthermore, this is a multi-sectorial network, uniquely linking scientists within atmospheric physics, engineering and satellite remote sensing, to end-users such as companies in the private sector, all with the appropriate expertise to integrate the most advanced research methods and techniques in the various topics here covered.

ModObs exploits a holistic interdisciplinary approach combining atmospheric measurements in-situ and observation from satellite with multiple interlinked modelling techniques. New models will allow exploring the nature of changes in several major air-sea land interaction process cycles on short- and long-term time scales, and space scales from local to regional. This will provide a better understanding of the drivers of short- and long-term perturbations, infer possible relationship with climatic variability, and attain scenarios of climate change impact on energy i.e. wind energy, and environmental issues.
Programme(s)

FP6-MOBILITY - Human resources and Mobility in the specific programme for research, technological development and demonstration "Structuring the European Research Area" under the Sixth Framework Programme 2002-2006

Topic(s)

MOBILITY-1.1 - Marie Curie Research Training Networks (RTN)

Call for proposal

FP6-2004-MOBILITY-1

See other projects for this call

Funding Scheme

RTN - Marie Curie actions-Research Training Networks

Coordinator

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