

Technical University of Denmark



## **ModObs: "Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique"**

A new Marie Curie Research Training Network in Europe

**Sempreviva, Anna Maria; Sørensen, Lise Lotte; Ejsing Jørgensen, Hans; Antoniou, Ioannis; Wagner, Rozenn; Sood, A.; Suselj, K.; Claveri, L.; Savunen, T.; Vimba, T.; Canadillas, B.; Neuman, T.; Catarino, A.; Cheruy, F.; Cassol, M.; Lanotte, A.; Liberti, G.L.; Miglietta, M.; Rizza, U.; Velea, L.F.; Rutgersen, A.; Semedo, A.; Smedman, A.S.; Ezau, I.; Khalil, M.; Jensen, L.E.; Christensen, L.C.; Furevik, B.; Hanson, T.; Saetra, O.**

*Published in:*  
Abstracts (CD-ROM)

*Publication date:*  
2007

[Link back to DTU Orbit](#)

### *Citation (APA):*

Sempreviva, A. M., Sørensen, L. L., Ejsing Jørgensen, H., Antoniou, I., Wagner, R., Sood, A., ... Saetra, O. (2007). ModObs: "Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique": A new Marie Curie Research Training Network in Europe. In Abstracts (CD-ROM) Berlin (DE): EMS. (EMS Annual Meeting Abstracts 2007; No. 4).

## **DTU Library** Technical Information Center of Denmark

---

### **General rights**

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.



## **ModObs: “Atmospheric modelling for wind energy, climate and environment applications : exploring added value from new observation technique”. A new Marie Curie Research Training Network in Europe.**

**A.M. Sempreviva** (1,6), L.L. Soerensen (1), H.E. Jørgensen (1), I. Antoniou (1), R. Wagner (1), A. Sood (2), K.Suselj (2), L.Claveri (3), T.Savunen (3), T. Vimha (3), B.Canadillas(4), T.Neuman (4), A. Catarino (5), F. Cheruy (5), M.Cassol (6), A.Lanotte (6), G.L. Liberti (6) , M. Miglietta (6), U. Rizza (6), L.F.Velea (6), A. Rutgerson (7), A. Semedo (7), A.S. Smedman (7), I. Ezau (8), M. Khalil (8), L. E. Jensen (9), L.C. Christensen, (10), B. R. Furevik (11), T. Hanson (11), O. Saetra (11)

(1) Risoe National Laboratory, Wind Energy Department, Roskilde, Denmark, (2) Forwind, University of Oldenburg, Oldenburg, Germany, (3) Finnish Meteorological Institute, Helsinki, Finland, (4) German Wind Energy Institute, DEWI, Wilhelmshaven Germany, (5) Laboratoire de Météorologie Dynamique, IPSL/LMD-CNRS, Paris, France, (6) Institute for Atmospheric Science and Climate, ISAC-CNR, Lecce and Rome sections, Italy, (7) University of Uppsala, Uppsala, Sweden, (8) Nansen Environmental and Remote Sensing Center, Bergen, Norway, (9) ELSAM Kraft A/S, Fredericia, Denmark, (10) VESTAS Asia Pacific A/S, Randers, Denmark, (11) Norwegian Meteorological Institute, Oslo, Norway. (anna.sempreviva@risoe.dk/Phone: +4546775025)

ModObs is a European Training Network of eleven European Institutes and Companies, funded within the FP6 Marie Curie Programme, addressing 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 modelers and experimentalists, using a comprehensive approach to “Climate Change”, “Clean Energy assessment” and “Environmental Policies”, issues. ModObs 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 will exploit a holistic interdisciplinary approach combining atmospheric measurements in-situ and observation from satellite with multiple interlinked modeling 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. At present, there are ten PhD students supported by the network and this poster describes their scientific and networking activity. The Network home page is at <http://www.ModObs.WindEng.net>.