

ModObs Dissemination, 2006 -2009

PEER REVIEWED ARTICLES IN JOURNALS

Joint

1. Sempreviva, A.M., M.E. Schiano, S. Pensieri, A. Semedo, R. Tomé, R. Bozzano, M. Borghini, F. Grasso, L.L. Soerensen, J. Teixeira, C. Transerici, 2010: Observed development of the vertical structure of the marine boundary layer during the LASIE experiment in the Ligurian Sea. *Ann. Geophys.*, 28, 17-25.
2. R. Wagner R, Antoniou I, Pedersen S M, Jørgensen H E, *Wind profile influence on turbine performance*, Wind Energy, online, 2008; 10.1002/we.297
3. Semedo, A., Ø. Saetra, A. Rutgersson, K. K. Kahma, H. Pettersson, 2009: Wave Induced Wind in the Marine Boundary Layer. *J. Atmos. Sci.*, **66**, 2256-2271.

Only Senior Scientists

1. B. Furevick, A.M. Sempreviva, L. Cavaleri, J-M Lefevre, C. Transerici Eight years of Wind Measurements from Scatterometer for Wind Resource Mapping in the Mediterranean Sea. Accepted on Wind Energy:

Individual

1. Saetra Ø, Linders T, Debernard JB. 2008. Can polar lows lead to a warming of the ocean surface? *Tellus*. **60A**: 141-153. doi:10.1111/j.1600-0870.2007.00279.x
2. L.Velea, G. L. Liberti, A. Sempreviva, C. Transerici (2008): 'Setup of tools and dataset selection for MBL investigation over a coastal site in the Mediterranean area. Preliminary results', *Advances in Science and Research*.
3. K. Suselj, A. Sood and D. Heinemann: Influence of the large scale circulation on the North Sea wind climate. *E-Windeng Journal 2007*.
<http://ejournal.windeng.net/17/> also submitted to *Journal of Climate*.
4. Khalil, M. A. K., Butenhoff, C. L., and Rasmussen, R. A.: Atmospheric methane: Trends and cycles of sources and sinks, *Environ.Sci. Technol.*, 41(7), 2131–2137, doi:10.1021/es061791t, 2007.

Submitted

Joint

1. Rutgersson, A., Ø. Saetra, A. Semedo, B. Carlson, 2010: "Impact of surface waves in a Regional Climate Model". Submitted to *Meteorologische Zeitschrift* - under revision.

2. Semedo, A., K. Sušeli, A. Rutgersson, A. Sterl, 2009: A Global View on Wind Sea and Swell Waves Climate and Variability from ERA-40. Submitted to *J. of Climate*

Individual

1. Linders T, Saetra Ø. 2009. Conditional and unconditional instability over the sub-polar ocean. *Atmos. Chem. Phys. Discuss.* Submitted.
2. Linders T, Bracegirdle TJ, Saetra Ø. 2008. Polar low sensitivity to SST. *Q. J. R. Meteorol. Soc.* In review.
3. Wagner R, Courtney M, Gottschall J, Lindelöv-Marsden P.: Accounting for the speed shear in wind turbine power performance measurement. Submitted in July 2009 to Wind Energy.

Manuscript in preparation

Joint

1. Igor Esau, Beatriz Canadillas, Marianna Cassol, Alexandre Catarino, Alessandra Lanotte, Marwan Khalil, and Siegfried Raasch: The atmospheric Ekman layer revisited with Large-Eddy Simulations (LES). DRAFT prepared.
2. R.Tomé, A.M.Sempreviva, A.Semedo, S.Pensieri, E.Schiano, P.M.A.Miranda and J.Teixeira: Atmospheric Boundary Layer Height Estimations during the LASIE Experiment. To *Boundary Layer Meteorology*.
3. R.Tomé, A.Semedo, P.M.A.Miranda and J.Teixeira, A.M.Sempreviva, S.Pensieri, E.Schiano: Evaluation and intercomparison of mm5 and WRF predictions during the LASIE experiment. To *Weather and Forecasting*.
4. A. M. Sempreviva, T. Lo Feudo, C. Calidonna, M. Courtney, L. De Leo, R. Wagner. Experimental and modelling study of the flow evolution at a coastal site in the Central Mediterranean. To *Boundary Layer meteorology*
5. A. M. Sempreviva, T. Lo Feudo, C. Calidonna, M. Courtney, L. De Leo, R. Wagner. Use of ground –based remote sensing in a coastal site for studying the evolution of a coastal flow during sea breeze conditions. To *Boundary Layer meteorology*

Individual

1. Atlaskin, E.: Validation of two-meter temperature forecast by different NWP models under winter time conditions. In preparation: The journal to submit to has not yet been selected.

2. Catarino A., Chéruy F. and Hourdin F.: Confronting LES and SCM simulations of marine boundary layer clouds in a 3D GCM framework (in preparation)
3. Catarino A., Chéruy F. and Hourdin F.: Evaluation of LMDZ4 physical parametrizations for the convective boundary layer over the northern Pacific Ocean with A-train observations (in preparation)

JOINT REPORTS in books

1. **G. L. Liberti**, F. Congeduti, D. Dionisi, C. Transerici, **L. Velea**, **F. Cheruy**: 'Caratterizzazione della variabilità spazio-temporale del vapor d'acqua come diagnostico per un modello di clima', in '*Clima e cambiamenti climatici: le attività di ricerca del CNR*', ISBN 978-88-8080-075-0, pp. 35-38, www.dta.cnr.it/ (ISAC-LMD)
2. **A.M. Sempreviva**, **F. Cheruy**, **B. Furevick**, C. Transerici: Confronto tra climatologia del vento nel Mediterraneo simulata con modello di clima e osservazioni da satellite in '*Clima e cambiamenti climatici: le attività di ricerca del CNR*', ISBN 978-88-8080-075-0, pp. 835-838, www.dta.cnr.it/ (ISAC-LMDZ-met.no)

PARTICIPATION TO CONFERENCES and WORKSHOPS

In Proceedings

Joint

1. T. Lo Feudo, C. Calidonna, A. M. Sempreviva, M. Courtney, L. De Leo, S. Federico, R. Wagner, and C. Bellecci: Flow evolution at a coastal site in the Central Mediterranean. *ISARS 2010, International Symposium for the Advancement of Boundary Layer Remote Paris, France, 28-30 June 2010. (oral)*
2. R. Wagner, C. Calidonna, M. Courtney, Lo Feudo, L. De Leo, A. M. Sempreviva: 2010 Use of Doppler LIDAR for measuring the vertical profiles of wind speed at a coastal site. *ISARS 2010, International Symposium for the Advancement of Boundary Layer Remote Paris, France, 28-30 June 2010. (Poster)*
3. Semedo, A., K. Sušelj, 2009: A global view of the wind sea and swell waves interannual variability from ERA-40. In Proceedings of 11th International Workshop on Wave Hindcasting and Forecasting, October 18-23, 2009, Halifax, Canada. (oral)
4. A Semedo, Oyvind Sætra, Anna Rutgersson. Wave induced wind in the marine boundary layer. *Influence of waves on turbulence in the atmosphere and ocean boundary layer*; In Proceedings of American Meteorological Society, AMS18th Symposium on Boundary Layers and Turbulence. 9-13 June 2008, Stockholm, Sweden. (Oral)

5. A.M. Sempreviva, B. Furevick, F. Cheruy, C. Transerici and R.Barthelmie: Comparison of the offshore wind climatology from quikScat and the GCM LMDZOR in the Mediterranean Basin. In Proceedings of the Offshore Wind 2007 Conference&Exhibition 4-6 december 2007, Berlin, Germany. (Poster)
6. G. L. Liberti, F. Congeduti, D. Dionisi, C. Transerici, L. Velea, F. Cheruy: 'Caratterizzazione della variabilità spatio-temporale del vapor d'acqua come diagnostico per un modello di clima', 'La ricerca italiana sui cambiamenti climatici. Scenari, impatti, politiche'. Gallipoli, Italy, 30 May-1 June 2007 (ISAC-LMD) (Oral)
7. L. Claveri, J. Tambke, F. Durante: "Modelling of Offshore Wind Speed Conditions", Proceedings German Wind Energy Conference DEWEK 2006 , Bremen, 22-23 November 2006. (Oral) (FMI, DEWI, Oldenburg)
8. Tambke, J., Bye, J. A. T., Claveri, L., von Bremen, L., Poppinga, C., Lange, B. and Wolff, J.-O.: 2006, 'Wind speed profiles, convection and turbulent momentum fluxes in the marine boundary layer above the North Sea.', In Proceedings of the EUROMECH Colloquium 464b Wind Energy, 04-07.10.2006, Oldenburg. (FMI, Oldenburg) (Oral)
9. Tambke, J., Claveri, L., Bye, J.A.T., Poppinga, C., Lange, B., von Bremen, L., Durante, F. and Wolff, J.-O.: 2006, 'Offshore Meteorology for Multi-Mega-Watt Turbines.', In Proceeding of the European Wind Energy Conference. EWEC, 27 February - 2 March 2006 Athens, Greece. (Poster)

Individual

1. Wagner R, Courtney M, *Can we measure the performance of a wind turbine with a lidar?* Proceedings of the WINDPOWER 2009 Conference, May 4 – 7, 2009, Chicago, USA (oral).
2. Wagner R, Courtney M, Gottschall J, Lindelöw-Marsden P, *Improvement of power curve measurement with lidar wind speed profiles* EWEC 2010, Poland
3. Wagner R, Mikkelsen T, Courtney M, *Investigation of turbulence measurements with a continuous wave, conically scanning LiDAR*, Proceedings of European Wind Energy Conference and exhibition EWEC 2009, 16-19 March, Marseille, France. (oral)
4. M. Courtney, R. Wagner; Testing and comparison of LIDARs for profile and turbulence measurements in wind energy. *Proceedings of the ISARS Conference 23-25 June 2008, Roskilde, Denmark* (Oral).
5. R. Wagner, H. E. Jørgensen, T.J. Larsen, U. S. Paulsen, I. Antoniou: Remote sensing used for power curves. *Proceedings of the ISARS Conference 23-25 June 2008, Roskilde, Denmark. (Poster)*

6. K. Suselj and A. Sood: Improving Mellor-Yamada-Janjic boundary layer parameterization, case of marine atmospheric boundary layer. Proceeding of the *AMS 18th Symposium on Boundary Layers and Turbulence. 9-13 June 2008, Stockholm, Sweden. (Oral)*
7. R. Wagner, H. E. Jørgensen, U. Paulsen: Wind characteristics measurement for largewind turbine power curve. *European Wind Energy Conference and exhibition. EWEC 2008, Brussels, Belgium, April 2008. (Oral)*
8. R. Wagner, H. E. Jørgensen, M. S. Courtney, J. Mann, I. Antoniou: Investigation of the measurement of the wind speed standard deviation using a LiDAR. *European Wind Energy Conference and Exhibition. EWEC 2008, Brussels, Belgium, April 2008. (Poster)*
9. Antoniou, I.; Wagner, R.; Pedersen, S.M.; Paulsen, U.S.; Aagaard Madsen, H.; Jørgensen, H.E.; Thomsen, K.; Enevoldsen, P.; Thesbjerg, L., Influence of wind characteristics on turbine performance. *In: Conference proceedings (online). 2007 European Wind Energy Conference and Exhibition, Milan (IT), 7-10 May 2007. (EWEA, Brussels, 2007) 10 p. (oral) Invited Paper*
10. A.Sood, K. Suselj, M. Schmidt and D. Heinemann: The influence of the specific wind field characteristics of the marine atmospheric boundary layer on offshore wind power production. *In: Conference proceedings (online). 2007 European Wind Energy Conference and Exhibition, Milan (IT), 7-10 May 2007. (Oral)*
11. A.Sood, K. Suselj and D. Heinemann: Wind resource and site assessment in the German Bight: Extreme Winds at Meso- to Microscale. *In: Conference proceedings (online). 2007 European Wind Energy Conference and Exhibition, Milan (IT), 7-10 May 2007. (Poster)*
12. A.Sood, K. Suselj and D. Heinemann: High resolution NWP North Sea wind forecasts in the Marine Atmospheric Boundary Layer *In: Conference proceedings (online). 2007 European Wind Energy Conference and Exhibition, Milan (IT), 7-10 May 2007. (Poster)*
13. L. von Bremen, V. Layec, K. Suselj and A. Sood: Extreme Winds and Frequency of Strong Winds over the North Sea. *In: Conference proceedings (online). 2007 European Wind Energy Conference and Exhibition, Milan (IT), 7-10 May 2007. (oral)*
14. L. von Bremen, N. Saleck, A. Sood, K. Suselj, T. Petroligis and D. Heinemann: Single Wind Farm Power Forecasts by Combination of Meteorological Models. *In Proc. of 2nd Conference: Wind Energy Market in Poland, Warsaw, Poland, March 2007 5A.3 (Oral)*

15. K. Suselj, V. Layec, A. Sood, L. von Bremen: The analysis of past climate and extreme events over North Sea. *Proceeding of the 6th EMS / 6th ECAC meeting. Ljubljana, Slovenia, 4 – 8 September 2006. EMS2006-A-00577. (Oral)*
16. K. Suselj, A. Sood, D. Heinemann: The influence of the atmospheric circulation patterns on the surface wind above the North Sea. *Extended abstracts on 2nd European Wind Energy Association, Ph.D seminar 2006, Risoe National laboratory, Roskilde, Denmark. (Oral).*

Conferences without proceedings

Joint

1. M. Cassol, Lanotte A., Miglietta M.M., Rizza U., Sempreviva A. M.: Large-eddy simulation modeling of the unstable boundary layer over sea. 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
2. Catarino A., Cheruy F. Hourdain F.: Confronting LES and SCM simulations of Marine Boundary Layer Clouds in a 3D GCM Framework. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
3. Linders, T., and O. Sætra: Polar low interaction with SST. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
4. Semedo, A., and Rutgerson A.: On the wave induced wind in the marine atmospheric boundary layer. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
5. Sempreviva, A.M., M.E. Schiano, S. Pensieri, A. Semedo, R.Tomé, R. Bozzano, M. Borghini, F. Grasso, L.L. Soerensen, J. Teixeira, C. Transerici: Vertical structure of the marine boundary layer and surface correlation among humidity temperature and CO₂ during the LASIE experiment in the Ligurian Sea. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
6. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Sætra: Atmospheric modelling for wind energy, climate and environment applications: exploring added value from new observation technique. Work in progress within a FP6 Marie Curie Research Training Network. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30

- November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
7. Tomé R., Semedo A., Sempreviva, A.M., M.E. Schiano, P. Miranda: Evaluation and intercomparison of mm5 and wrf predictions during the LASIE experiment. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
 8. Tomé R., Semedo A., J. Teixeira, Sempreviva A.M., S.Pensieri, P. Miranda: Atmospheric Boundary Layer Height estimations during the LASIE Experiment. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs. (Poster)
 9. Velea L. and G.L. Liberti: Investigation of near-surface moisture anomalies over the Mediterranean using MSG SEVIRI data. Poster at the 2nd Oslo Workshop on Air-Sea Interaction 30 November - 2 December. The Norwegian Meteorological Institute, Oslo, Norway. Sponsored by ModObs.
 10. Cassol M., Lanotte A., Miglietta M.M., Rizza U., Sempreviva A. M.: Large-eddy simulation modeling of the unstable boundary layer over sea. 9th European Meteorological Society (EMS) Annual Meeting 9th European Conference on Applications of Meteorology (ECAM). Abstracts, Vol. 6, EMS2009-540, 2009, 28 September – 02 October 2009, Toulouse, France. (Poster)
 11. M. Cassol, A. S. Lanotte, M. M. Miglietta, U. Rizza, A. M. Sempreviva. Large-eddy simulation modeling of the unstable boundary layer over sea. EGU General Assembly 2009, Vienna (Austria) 19-24 April 2009 Geophysical Research Abstracts, Vol. 11. Poster.
 12. Semedo, A., K. Sušelj, A. Rutgersson, 2009: Variability of Wind Sea and Swell Waves in the North Atlantic Based on ERA-40 Reanalysis. 8th European Wave and Tidal Energy Conference, September 7-10, Uppsala, Sweden. (oral)
 13. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra: Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique. Research activity within the ModObs Marie Curie Research Training Network. 9th European Meteorological Society (EMS) Annual Meeting 9th European Conference on Applications of Meteorology (ECAM). Abstracts, Vol. 6, EMS2009-630, 2009, 28 September – 02 October 2009, Toulouse, France.

14. R. Tomé, A.M. Sempreviva, E. Schiano, R. Bozzano, P.M. Miranda, S. Pensieri, A.Semedo, and J. Teixeira. Boundary Layer Height and Structure during the NATO LASIE Campaign. 9th European Meteorological Society (EMS) Annual Meeting 9th European Conference on Applications of Meteorology (ECAM). Abstracts, Vol. 6, EMS2009-369, 2009, 28 September – 02 October 2009, Toulouse, France. (oral)

15. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra, “ModObs: Atmospheric modelling for wind energy, climate and environment applications : exploring added value from new observation technique. Work in progress. within a FP6 Marie Curie Research Training Network. EGU General Assembly, Vienna (Austria), 19-24 April 2009. Geophysical Research Abstracts, Vol. 10, 2009), Poster.

16. Semedo. A., K. Sušelj, A. Rutgersson: Global Wind Sea and Swell Waves Climate and Variability from ERA-40. 2nd Norwegian Meteorological Institute air-sea interaction workshop, December 1-3, 2008, Oslo, Norway. (oral)

17. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra: Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique. Research activity within the ModObs Marie Curie Research Training Network. European Meteorological Society, EMS, 18th Annual Meeting. 30September. 4 October 2008, Amsterdam, The Netherland.

18. Rutgersson A. Ø. Sætra, A. Semedo, B. Carlsson, 2008: An atmosphere-wave coupled regional climate model. 8th European Wave and Tidal Energy Conference, September 7-10, 2008, Uppsala, Sweden.

19. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra: Atmospheric modelling for wind energy, climate and environment applications: Exploring added value from new observation technique. *Research activity within the ModObs Marie Curie Research Training Network*. American Meteorological Society, AMS 18th Symposium on Boundary Layers and Turbulence. 9-13 June 2008, Stockholm, Sweden. (Poster)

20. AM. Sempreviva, E. Schiano, R. Bozzano, F. M. Grasso, M. Borghini, S. Pensieri, A. Semedo, L. L. Soerensen, C. Transerici, L. Velea and J. Teixeira. Vertical structure of the marine boundary layer and surface correlation among humidity temperature and CO₂ during the LASIE experiment in the Ligurian Sea. *Proceedings of the American Meteorological Society, AMS18th Symposium on Boundary Layers and Turbulence*. 9-13 June 2008, Stockholm, Sweden. (oral)
21. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra: “ModObs: Atmospheric modelling for wind energy, climate and environment applications : exploring added value from new observation technique. Work in progress within a FP6 Marie Curie Research Training Network. EGU General Assembly, Vienna (Austria), 13-18 April 2008. (Geophysical Research Abstracts, Vol. 10, 2008)
22. M.E. Schiano, R.Bozzano, A.Semedo, A.M.Sempreviva, S.Pensieri, M.Borghini, F. Grasso, L.L. Soerensen, J. Texeira, D. Contini, L.Velea, G.Liberti. Vertical structure of the marine boundary layer during the LASIE experiment. *Rapid Environmental Assessment (REA) conference 25-27 September 2007, Lerici, Italy. (Risoe-Uppsala-ISAC) (Poster)*
23. A Semedo, Oyvind Saetra, Anna Rutgersson, Wave induced wind in the marine boundary layer. *Influence of waves on turbulence in the atmosphere and ocean boundary layer; Met.no (Oslo), 25-26 November 2007. (oral)*
24. A.M. Sempreviva, L.L. Soerensen, Jørgensen, I. Antoniou, R. Wagner, A. Sood, K.Suselj, L.Claveri, T.Savunen, T.Vimha, B.Canadillas, T.Neuman, A. Catarino, F. Cheruy, M.Cassol, A.Lanotte, G.L. Liberti, M. Miglietta, U.Rizza, L.F.Velea, A. Rutgersson, A. Semedo, A.S. Smedman, I. Ezau, M. Khalil, L. E. Jensen, L.C. Christensen, B.R. Furevik, T. H.on, O. Saetra: 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. *EMS7/ECAM8 Abstracts, Vol. 4, EMS 2007-A-00627, 2007 7th EMS Annual Meeting / 8th ECAM. (Poster)*
25. A.M. Sempreviva, L.L. Soerensen, A. Sood, L. von Bremen, T. Savunen, B. Tammelin, M. Strack, F. Cheruy, G.L. Liberti, U. Rizza, M. Miglietta, A.S. Smedman, I. Ezau, L. E. Jensen , L.C. Christensen, B. R. Furevik, O. Saetra. 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. *EGU Geophysical Research Abstracts, Vol. 8, 06434, 2006 SRef-ID: 1607-7962/gra/EGU06-A-06434 © European Geosciences Union 2006. (Poster)*

26. A.M. Sempreviva, L.L. Soerensen, A. Sood, L. von Bremen, T. Savunen, B. Tammelin, M. Strack, F. Cheruy, G.L. Liberti, U. Rizza, M. Miglietta, A.S. Smedman, I. Ezau, L. E. Jensen, L.C. Christensen, B. R. Furevik, O. Saetra. 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. *European Conference on Impacts of Climate Change on Renewable Energy Sources, Reykjavik, Iceland, June 5 - 9 2006. (Poster)*
27. K. Suselj, A. Sood and B. Canadillas: The planetary boundary layer over North Sea: measurements and mesoscale simulations. EGU, *Geophysical Research Abstracts, Vol. 9, 09675, 2007 SRef-ID: 1607-7962/gra/EGU2007-A-09675 (Poster)*

Individual

1. Atlaskin, E.: Validation of two-meter temperature forecast under cold observed conditions by different NWP models. Joint 19th ALADIN Workshop and HIRLAM All-Staff Meeting, Utrecht, The Netherlands, 12-15 May 2009.
2. Atlaskin, E.: Wind climate over Finnish South-Western Archipelago. 2nd Oslo Workshop on Air-Sea Interaction. Oslo, Norway, 30 November – 2 December, 2009 (Poster)
3. E. P. Marques Filho, M. Cassol, H. A. Karam, and U. Rizza. Large-eddy simulation of an idealized urban heat island. EGU General Assembly 2009, Vienna (Austria) 19-24 April 2009 Geophysical Research Abstracts, Vol. 11. (Poster).
4. B. Canadillas, T. Neumann, V. Riedel Comparison of large eddy simulations against observations for a nearly neutral stratification atmosphere. *to European Geophysical Union Conference, Wien, 14-18 April, 2008. (Poster)*
5. B. Canadillas, T. Neumann Simulation of neutrally stratified offshore boundary layer by large eddy simulations. DEWI, GmbH - Deutsches Windenergie-Institut. German Wind Energy Conference (DEWEK) 2008 (Oral Presentation), Bremen, Germany.
6. M. Cassol: "Analisi dello strato limite planetario in regime neutrale mediante LES". *Workshop on Large-Eddy Simulations e loro recenti applicazioni in Fisica dell'Atmosfera e dell'Oceano. Castro Marina (Italy), 8-10 July 2008. (Oral)*
7. M. Khalil, Large-eddy simulation of neutrally-stratified atmospheric boundary layer over wavy surfaces, European Meteorological Society, 8th EMS Annual Meeting / 7th ECAC Vol. 5, EMS2008-A-00000, 2008 (Poster).

8. M. Khalil, Application of an open-source code OpenFOAM for environmental simulations, Advanced Turbulence-Resolving Simulations for Atmospheric and Ocean Boundary Layers Workshop, Nansen Environmental and Remote Sensing Center (NERSC), Bergen, Norway, 2007. (Oral)
9. Catarino A.: "Observation, Etude et Modélisation de la couche limite et du brouillard", -Atelier de Modélisation de l'Atmosphère (AMA): 22-24 January 2008 at Toulouse, France. *Centre National de Recherches Météorologiques (CNRM) of Météo-France. (Oral)*
10. Galperin, B., Sukoriansky, S., Atlaskin, E.: QNSE-based surface layer parametrization in simulations of stably stratified atmospheric boundary layers. European Conference on Applied Climatology (ECAC), Amsterdam, the Netherlands, 29.09-03.10.2008.
11. Sood, X. F. Oschieng, D. Heinemann, K. Suselj and M. Schmidt: Identifying wind resources in Tropical East Africa - A case study for Kenya. *European Geophysical Union, EGU, Conference 2008. Wien, 14-18 April, 2008. (Poster)*
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19. R. Wagner, Ioannis Antoniou, Uwe Paulsen, H. E. Jørgensen; Influence of wind characteristics on turbine performance. *EAWC PhD seminar on wind energy in Europe, Pamplona (ES), 10-11 Oct 2007. (Oral)*
20. L. Velea, G. L. Liberti, A. Sempreviva, C. Transerici: 'Characterizing PBL on a Mediterranean coastal site', *7th EMS Annual Meeting / 8th ECAM, San Lorenzo de El Escorial, Spain, 1-5 October 2007. Vol. 4, EMS2007-A-00414, 2007 (Poster)*
21. K. Suselj, V. Layec, A. Sood, L. von Bremen: Past climate and extreme events over North Sea. Proceedings of German Wind Energy Conference (DEWEK). Bremen, 22-23 November 2006. (Oral)
22. L. Claveri, T. Vihma, H. Savijärvi, and B. Tammelin: "Mesoscale variations in the wind and air temperature during a cold-air outbreak over the Gulf of Finland". *6th EMS / 6th ECAC meeting. Ljubljana, Slovenia, 4 – 8 September 2006. EMS2006-A-00577. (Oral)*

PEER REVIEWED MONOGRAPHS. Ph.D THESES

1. Torsten Hanson (met.no): "Coupling wave-atmosphere models to study its use in forecasting extreme conditions small scale conditions. Special focus on polar lows".
Status: Finished; Ph.D Granted January 2009
2. Kay Suselj (Oldenburg): "Investigation of wind resources over North Sea in past and future climates".
Status: Finished, Ph.D Granted May 2009
3. Beatriz Canadillas Perdomo (Oldenburg-DEWI-NERSC-ISAC Lecce) "Large Eddy Simulation for Planetary Boundary Layer at large wind farm sites"
Status: Finished; Ph.D Granted December 2009
4. Liliana Velea (ISAC Rome, ISAC Lecce): "Contribution of satellite observations for the study and parameterization of marine boundary layer"
Status: Finished; Ph.D Granted January 2010
5. Mariana Cassol (ISAC Lecce): "Study of PBL physics over heterogeneous terrain with a specific attention to the case of land/sea interface"
Status: Finished; Ph.D Granted November 2009
6. Rozenn Wagner (Risoe-VESTAS) "Remote sensing techniques applied for wind energy"

Status: Delivered; Expected discussion date: July 2010

NOT YET FINISHED

7. Alvaro Semedo (Risoe-Uppsala,ISAC) “Ocean-Atmosphere model coupling and air-sea interaction”.

Status: In Sweden PhDs are four-year duration. Expected discussion date: December 2010

8. Alexandre Catarino (LMD, ISAC): “Analyse of the properties of the boundary layer at regional scale on a several years GCM simulations with particular focus on low clouds”

Status: In writing

9. Marwan Khalil (NERSC): “Turbulence-resolving simulations of stratified planetary boundary layers over complex topography”

Status: Not Finished; the expected end is undetermined.