



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s)	Ana Estanqueiro
Address(es)	622, Av. D. Afonso Henriques, 2765-574, Estoril, Portugal
Telephone(s)	351 210 924 773
E-mail	ana.estanqueiro@lneg.pt
Nationality	Portuguese
Date of birth	23.07.1963
Gender	Female

Occupational field **Senior Researcher, Wind Energy**

Work experience

Dates	2012-to date
Occupation or position held	Coordinator of Energy Analysis and Networks R&D Unit at LNEG Senior Researcher ("Investigador auxiliar") at LNEG (former INETI)
Type of business or sector	R&D, Governmental Laboratory.
Dates	2009-2012
Occupation or position held	Responsible for wind energy R&D area at LNEG Senior Researcher ("Investigador auxiliar") at LNEG (former INETI)
Type of business or sector	R&D, Governmental Laboratory.
Dates	2008 –to date
Occupation or position held	Invited Professor and Coordinator of Wind Energy and Energy Networks academic areas and Lecturer in the Master of Engineering of Energy and Environment at FCUL - Faculdade de Ciências da Universidade de Lisboa
Type of business or sector	Academic/University
Dates	2006 -2008
Occupation or position held	Chair of the International Energy Agency (IEA) Wind Implementing agreement Wind Energy.
Type of business or sector	International Energy Policy.
Dates	2005 -2006
Occupation or position held	Vice-Chair of the International Energy Agency (IEA) Wind Implementing agreement Wind Energy.
Type of business or sector	International Energy Policy.
Dates	2001 -2009
Occupation or position held	Director of the Wind and Ocean Energy Unit from the Renewable Energies Dept. at INETI Senior Researcher ("Investigador auxiliar") at INETI.
Type of business or sector	R&D, Governmental Laboratory.
Dates	1996 –2008
Occupation or position held	Associated Professor of Universidade Lusíada, Lisboa.

Education and training

Dates	1997
Title of qualification awarded	PhD in Mechanical Engineering.
Principal subjects	Dynamic models of wind parks.
Organization	Technical University of Lisbon / IST
Dates	1991
Title of qualification awarded	MSc in Mechanical Engineering - Energy
Principal subjects	A dynamic model of a wind turbine for grid integration.
Organization	Technical University of Lisbon / IST
Dates	1986
Title of qualification awarded	5 years Degree in Electrical Engineering - Energy Production and Transmission.
Principal subjects	Induction machines as electrical generators for wind energy conversion systems.
Organization	Technical University of Lisbon / IST
Level in international classification	MSc in Power Engineering

Mother tongue(s) **Portuguese**

Self-assessment
European level ()*

English

French

Spanish

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Excellent	C2	Excellent	C2	Very Good	C2	Very Good	C2	Very Good
C2	Very Good	C2	Very Good	C1	Good	C1	Good	C1	Good
C2	Very Good	C2	Very Good	C1	Good	C1	Good	B2	Fair
A2	Fair	A2	Fair	A1	Fair	A1	Fair	-	-

Social skills and competences
Large experience in the organization of teams, leading and working in groups.
Ability to talk in public – conferences, lectures and institutional visits.

Organisational skills and competences	<p>Launched the CTE 88 – Turbinas Eólicas (branch of the standard body IEC TC 88) in Portugal in 1995 and was its President since then.</p> <p>Designed and launched the Electromagnetism Laboratory at Universidade Lusíada and lead an academic team from 1996 to 2008.</p> <p>Starting in 1996, organised and lead the wind energy R&D group, including scientific orientation, administrative governing and project leading at INETI.</p> <p>Organized the Portuguese adhesion to the IEA Wind Implementing Agreement in 1998, being the Portuguese Member since then.</p> <p>Participation in International committees and scientific boards:</p> <ul style="list-style-type: none"> • Portuguese delegate on several International and European organization: “IEA wind Implementing Agreement”, “TP-Wind Mirror Group”, “SET-Plan (European Industrial Initiative Wind)” and “EERA Wind”. • Member of the Expert Team of “IEA Experts Group for Science and Energy (ESGE)”. • Member of professional associations: IEEE – “Institute of Electrical and Electronics Engineers” and Society of Engineers. • Chairman of the Executive Committee of the Implementing Agreement on Wind Energy International Energy Agency (IEA-Wind) from 2007 to 2009. • Chairman of the Portuguese Committee PT IEP-IEC CTE 88 – Wind turbine since 1995. • Portugal delegate in the work task WG10 - development of European and international standards (IEC61400-21) for wind turbines operation - IEC CEI TC88WG10. • Portugal delegate in the CEN/CENELEC – European network of standards definition – wind energy.
Technical skills and competences	<p>31 years experience in several areas of the wind technology, research and development. Expert in grid integration of wind generation in power systems, planning methodologies for wind energy deployment and responsible for the mapping and assessment of the Portuguese sustainable wind potential, both onshore and offshore.</p>
Computer skills and competences	<p>User of computers in Windows and Linux environment. Programmer and developer of software in Matlab/Simulink, Fortran, Visual basic, Pascal and C.</p>
Artistic skills and competences	<p>Piano and flute studies.</p>

Research skills and competences	<p>Relevant R&D work in the Wind and Renewable Energy field:</p> <p>Coordinator of LNEG participation in the FP7 project IRP-Wind - Integrated Research Programme on Wind Energy (2013 – 2017).</p> <p>Coordinator of LNEG participation in the ESFRI project WINDSCANNER – European wind scanner facility (2012-2015).</p> <p>Coordinator of LNEG participation in the FP7 project DEMOWFLOAT – power performance evaluation of a fluctuating wind turbine operating in the Portuguese coast (2011-2014).</p> <p>Coordinator of INETI/LNEG participation in EU project NORSEwind – on the use of satellite data and meso-scale models and remote sensors for identifying and mapping the offshore wind resource in the North Sea and Atlantic Coast of Portugal (2009-2012).</p> <p>Coordinator of Fluct.Wind (PTDC/SER-ENR/114178/2009) - Fluct.wind: Wind power fluctuation characterization and categorization by time-spectra wavelet analysis.</p> <p>Coordinator of INETI/LNEG participation in ROADMAP (PTDC/SEN-ENR/105403/2008) - Desenvolvimento de metodologias de planeamento do espaço marítimo português.(2008-2011)</p> <p>Coordinator of INETI/LNEG participation in project REIVE – Desenvolvimento de redes eléctricas inteligentes com veículos eléctricos. WP -Avaliação da qualidade de energia (project financed by FAI, 2009-2012).</p> <p>Coordinator of T.URBan DEMTEC project (contract ADI nº 70/206) for the development of micro wind turbines (horizontal and vertical axis) for urban environment, (2006-2008).</p> <p>Editor and co-author of the “Portuguese Wind Atlas”, CD-ROM ed. INETI, 2004 (in Port.).</p> <p>Editor and co-author of EOLOS I and II - Database of the wind energy potential in Portugal, CD-ROM ed. INETI, 2nd ed, 2004 (in port.).</p> <p>INETI Scientific Coordinator of WIRING European Union Joule Research Project - JOR3-CT98-0245, (1997-2001); European Union Joule Research Project POWERCONTROL -JOR3-CT95-0067 (1995-1998)NATO Sfs PO-Mistral Research Project (1995-2000).</p> <p>Author of INPark software for wind park integration in the distribution grid. Study and modeling of the performance of WECS under different working modes of the electrical machinery: steady and transient state (connection of the turbine, short circuit, line fault, etc.) for the dynamic mechanical torque time-depending working mode of the wind turbine. Characterization of the WECS performance for both strong and weak grids.</p> <p>Author of the study "Integration of Wind Converters in the Utility Grid" (in Port.) on request of the Portuguese Utility, Electricidade de Portugal - EDP (Contract Nº JOUR-0043-P)</p>
Driving licence	Cars and motorbikes.
Annex	Author and co-author of more than 150 publications in scientific journals, conferences and books.

Annex

Journal Publications

L. Fialho, R. Melício, V.M.F. Mendes, A. Estanqueiro, M. Collares-Pereira: PV systems linked to the grid: Parameter identification with a heuristic procedure. 06/2015; 10. DOI:10.1016/j.seta.2015.01.006

André Malheiro, Pedro M. Castro, Ricardo M. Lima, Ana Estanqueiro: Integrated sizing and scheduling of Wind/PV/Diesel/Battery isolated systems. Renewable Energy 05/2015; 83:646-657. DOI:10.1016/j.renene.2015.04.066

João Silva, F. Marques da Silva, António Couto, Ana I. Estanqueiro: A method to correct the flow distortion of offshore wind data using CFD simulation and experimental wind tunnel tests. Journal of Wind Engineering and Industrial Aerodynamics 05/2015; 140:87–94. DOI:10.1016/j.jweia.2015.01.017

Laura Castro-Santos, Geuffer Prado Garcia, Ana Estanqueiro, Paulo Justino: *The Levelized Cost of Energy (LCOE) of wave energy using GIS based analysis: The case study of Portugal*. International Journal of Electrical Power & Energy Systems 02/2015; 65:21-25.

Ana I. Estanqueiro, António Couto, Luis Rodrigues Jr, Raquel Marujo: *Wind Resource Assessment Method for Floating Deep Offshore Wind Turbines*. Engineering & Technology Reference. 11/2014;

A. Couto, P. Costa, L. Rodrigues, V. Lopes, A. Estanqueiro: *Impact of Weather Regimes on the Wind Power Ramp Forecast in Portugal*. IEEE Transactions on Sustainable Energy 07/2014; PP(99):1,9.

Teresa Scholz, Vitor V. Lopes, Ana Estanqueiro: *A cyclic time-dependent Markov process to model daily patterns in wind turbine power production*. Energy 04/2014; 67:557–568.

L. Fialho, R. Melício, V.M.F. Mendes, S. Viana, C. Rodrigues, A. Estanqueiro: *A simulation of integrated photovoltaic conversion into electric grid*. Solar Energy 01/2014;

Paulo Bonifácio, Susana Viana, Luís Rodrigues, Ana Estanqueiro: *Assessing Micro-generation's and Non-linear Loads' Impact in the Power Quality of Low Voltage Distribution Networks*. Journal of Energy and Power Engineering. 12/2013; 7(12):2321-2335.

Nuno Silva, Ana I. Estanqueiro: *Impact of Weather Conditions on the Windows of Opportunity for Operation of Offshore Wind Farms in Portugal*. Wind Engineering 06/2013; 37(3):257-268.

Marujo R., P. Costa, M. Fernandes, T. Simões, A. Estanqueiro: *Validation of an offshore wind atlas using the satellite data available at the coastal regions of Portugal*. Wind Engineering 05/2013; 37(4):321-332.

Laura Castro-Santos, Geuffer Prado Garcia, Paulo Costa, A. I. Estanqueiro: *Methodology to design an economic and strategic offshore wind energy Roadmap in Portugal*. Energy Procedia 01/2013;

Teresa Simões, A. Estanqueiro: *Energia Eólica em Ambiente Urbano*. Renováveis magazine (ISSN: 1647-6255). 04/2012; 10:37-40.

J. Charles Smith, Dale Osborn, Robert Zavadil, Warren Lasher, Emilio Gómez-Lázaro, Ana Estanqueiro, Thomas Trotscher, John Tande, Magnus Korpås, Frans Van Hulle, Hannele Holttinen, Antje Orths, Daniel Burk, Mark O'Malley, Jan Dobschinski, Barry Rawn, Madeline Gibescu, Lewis Dale: *Transmission planning for wind energy in the United States and Europe: status and prospects*. Wiley Interdisciplinary Reviews: Energy and Environment. 01/2012; 2(1):1-13.

Vitor V. Lopes, Teresa Scholz, Ana Estanqueiro, Augusto Q. Novais: *On the use of Markov chain models for the analysis of wind power time-series*. 2012 11th International Conference on Environment and Electrical Engineering. 01/2012;

L. Soder, H. Abildgaard, A. Estanqueiro, C. Hamon, H. Holttinen, E. Lannoye, E. Gomez-Lazaro, M. O'Malley, U. Zimmermann: *Experience and Challenges With Short-Term Balancing in European Systems With Large Share of Wind Power*. IEEE Transactions on Sustainable Energy 01/2012; 3(4):853-861.

A. I. Estanqueiro, H. Holttinen, A. Orths, P. Eriksen, J. Hidalgo, A. Estanqueiro, F. Groome, Y. Coughlan, H. Neumann, B. Lange, F. Hulle, I. Dudurch: *Currents of Change*. IEEE Power and Energy Magazine 12/2011; 8(6):47 – 59.

Hannele Holttinen, Peter Meibom, Antje Orths, Bernhard Lange, Mark O'Malley, John Olav Tande, Ana Estanqueiro, Emilio Gomez, Lennart Söder, Goran Strbac, J Charles Smith, Frans van Hulle: *Impacts of large amounts of wind power on design and operation of power systems, results of IEA collaboration*. Wind Energy 02/2011; 14(2):179 – 192.

- R. Marujo, T. Simões, A. Estanqueiro: *A. Integração de Sistemas de Energia Renovável a Instalações Residenciais*. Revista Electricidade Moderna. 11/2010;
- A. I. Estanqueiro, T. Simões: *Aproveitamento de Energia Eólica em Ambiente Urbano e Construído*. Revista Renováveis Magazine. 09/2010;
- J. C. C. Henriques, F. Marques da Silva, A. I. Estanqueiro, L. M. C. Gato: *Design of a new urban wind turbine airfoil using a pressure-load inverse method*. Renewable Energy 12/2009; 34(12):2728-2734.
- Ana Estanqueiro, Rui Castro, Pedro Flores, João Ricardo, Medeiros Pinto, Reis Rodrigues, J. Peças Lopes: *How to prepare a power system for 15% wind energy penetration: the Portuguese case study*. Wind Energy 10/2007; 11(1):75 - 84.
- A.I. Estanqueiro: *A Dynamic Wind Generation Model for Power Systems Studies*. IEEE Transactions on Power Systems 09/2007;
- Hannele Holttinen, Peter Meibom, Cornel Ensslin, Lutz Hofmann, John McCann, Jan Pierik, John Olav Tande, Espen Hagstrøm, Ana Estanqueiro, Hortensia Amaris, Lennart Söder, Goran Strbac, Brian Parsons: *Design and operation of power systems with large amounts of wind power production: IEA collaboration*. 02/2006;
- H. Holttinen, P. Meibom, A. Orths, F. Van Hulle, C. Ensslin, L. Hofmann, J. McCann, J. Pierik, J. O. Tande, A. Estanqueiro, L. Soder, G. Strbac: *Design and Operation of Power Systems with Large Amounts of Wind Power, First Results of IEA Collaboration*. 01/2006;
- A. I. Estanqueiro: *Energia Eólica. O Desenvolvimento em Portugal , na Europa e no Mundo*. Revista Energias Renováveis. 01/2005;
- A. I. Estanqueiro: *Qualidade da Energia Eólica. Normas e Regulamentos*. Qualirama - Boletim do Instituto Português da Qualidade. 05/1999;
- A. I. Estanqueiro: *A Integração de Parques Eólicos no Sistema de Energia Eléctrica: Identificação de Problemas de Ligação à Rede Receptora*. Energia. 01/1997; Ano XII(4 (2ªserie)):33 –42.
- A. I. Estanqueiro, J. M. Ferreira de Jesus: *Energia eólica em Portugal: Situação actual e perspectivas de futuro*. Revista Floresta e Ambiente. 01/1996;
- A. I. Estanqueiro: *Um modelo de comportamento de conversores eólicos de eixo horizontal*. Revista Portuguesa de Energia Solar e Biogás. 01/1993;
- John Olav, G Tande, Eduard Muljadi, Ola Carlson, Jan Pierik, Ana Estanqueiro, Poul Sørensen, Mark O Malley, Alan Mullane, Olimpo Anaya-Lara, Bettina Lemstrom: *Dynamic models of wind farms for power system studies–status by IEA Wind R&D Annex 21*. 01/2002;

Book chapters

- Hannele Holttinen, Antje Orths, Hans Abildgaard, Frans van Hulle, Juha Kiviluoma, Bernhard Lange, Mark O'Malley, Andrew Keane, Jody Dillon, Enrico Maria Carlini, John Olav Tande, Ana Estanqueiro, Lennart Söder, Emilio Gomez, Michael Milligan, J.C.Smith, Charlton Clark: *Recommended Practices for Wind Integration Studies, RP16 issued by IEA Implementing Agreement on Wind RD&D, Oct 2013*. [Online]. Available: www.ieawind.org. Edited by Hannele Holttinen, 10/2013; IEA Wind www.ieawind.org.
- Estanqueiro, A.I.. Wind Integration in Portugal. In: Wind Power in Power Systems. Chapter 25. T. Ackermann (Ed.). 2nd Edition. John Wiley and Sons, Chichester (2012). pp 569-593.
- Fernandes M., R. Marujo, T. Simões A. Estanqueiro. Portugal. In "IEA Wind Energy Annual Report 2011", Chapter 29, pp145-149. ISBN 0-9786383-6-0
- Fernandes M., A. Estanqueiro, T. Simões. Portugal. In "IEA Wind Energy Annual Report 2010", Chapter 27, pp138-142. ISBN 0-9786383-5-2
- Madeira L., A. Estanqueiro, T. Simões. Portugal. In "IEA Wind Energy Annual Report 2009", Chapter 26, pp132-137. ISBN 0-9786383-4-4
- Estanqueiro, A. Energia Eólica Offshore/Wind Offshore in Energias Renováveis/Renewable Energies. Capítulo, (2010). Ed. Azevedo, B. G, ISBN 978-989-96529-0-3. pp 220-229.

Estanqueiro, A. "The future energy mix paradigm: How to embed large amounts of wind generation while preserving the robustness and quality of the power systems?" Chapter of "Wind Power" book (working title), approved for publication by IN-TECH in Dezembro 2009, pp. 22.

Estanqueiro, A. "Energias Renováveis/Renewable Energies", Capítulo "Energia Eólica Offshore/Wind Offshore", pp 220-229. Ed. Azevedo, B. G. ISBN 978-989-96529-0-3.

Holtinen, H., P. Meibom, A. Orths, F. van Hulle, B. Lange, M. O'Malley, J. Pierik, B. Ummels, J.O. Tande, A. Estanqueiro, M. Matos, E. Gomez, L. Söder, G. Strbac, A. Shakoor, J. Ricardo, J. C. Smith, M. Milligan, E. Ela. (2009) "Design and operation of power systems with large amounts of wind power" Final report, IEA WIND Task 25, Phase one 2006-2008. Espoo, VTT. 200 p. + app. 29 p. VTT Tiedotteita - Research Notes 2493. ISBN 978-951-38-7308-0. (URL, Available at <http://www.vtt.fi/inf/pdf/tiedotteet/2009/T2493.pdf>). VTT/Julkaisiga (Ed.). Helsinki.

H. Holtinen, B. Lemström, P. Meibom H. Bindner, A. Orths, F. van Hulle, C. Ensslin, A. Tiedemann, L. Hofmann, W. Winter, A. Tuohy, M. O'Malley, P. Smith, J. Pierik, J. O. Tande, A. Estanqueiro, J. Ricardo, E. Gomez, L. Söder, G. Strbac, A. Shakoor, J. C. Smith, B. Parsons, M. Milligan and Y. Wan. Design and operation of power systems with large amounts of wind power. State-of-the-art report., VTT Working Papers 82, VTT, Finland. Oct. 2007. [Online]. Available at URL: <http://www.vtt.fi/publications/index.jsp>.

IEA Wind (2008). IEA Wind Strategic Plan for 2009-2013 and EOT report (URL, available at http://www.ieawind.org/strategy_plan.html, last accessed 15.11.2009)

IEA Wind Energy Annual Report, 2008. Chapter 26 – Portugal, Simões, T.; L. Madeira, A. Estanqueiro, Published by IEA Wind, ISBN 0-9786383-3-6 (also URL available at <http://www.ieawind.org>, last accessed 15.11.2009). Boulder. Julho 2009, pp229 – 238.

IEA Wind Energy Annual Report, 2007. Chapter 25 – Portugal, Simões, T.; L. Madeira, A. Estanqueiro. Published by IEA Wind, ISBN 0-9786383-2-8. Boulder. pp229 – 238. (also URL available at <http://www.ieawind.org>, last accessed 15.11.2009). Julho 2008, pp197 – 203.

Wind Energy Annual Report, 2006. Chapter 24 – Portugal, Estanqueiro, A. E T. Simões, pp197 – 203.. Published by IEA Wind, ISBN 0-9786383-1-x. Boulder. pp229 – 238. (URL available at <http://www.ieawind.org>, last accessed 15.11.2009). Julho 2007, pp.197 – 205.

Estanqueiro, A., Goldman, P. e P. Weis-Taylor (Ed.s). IEA Wind Energy. 2005 Annual Report - International Energy Agency IA R,D&D Wind. IEA Wind Energy. Annual Report 2005, International Energy Agency,. Member Activities: Chapter 24 – Portugal, por Ana Estanqueiro, INETI-Department of Renewable Energies, 2006, pp.201-210. [ISBN: 0-9786383-0-1].

Goldman, P. e P. Weis-Taylor (Ed.s). IEA Wind Energy. 2004 Annual Report - International Energy Agency IA R,D&D Wind. National Activities: Chapter 18 – Portugal, Ana Estanqueiro e Álvaro Rodrigues, INETI-Department of Renewable Energies, 2005, pp.189-198.

Estanqueiro A. (Ed.) "EOLOS 2.0 – Base de Dados do Potencial Energético do Vento em Portugal", Ed. CD-ROM, INETI- Departamento Energias Renováveis, Lisboa, 2004. [ISBN: 972-676-195-6]

Paulo Costa e Ana Estanqueiro "Atlas do Potencial Eólico em Portugal Continental", CD-ROM, INETI- Departamento Energias Renováveis, Lisboa, 2004. [ISBN: 972-676-196-4].

Goldman, P. e P. Weis-Taylor (Ed.s). IEA Wind Energy. 2003 Annual Report IEA Wind Energy. Annual Report, International Energy Agency, 2004. National Activities: Chapter 16 – Portugal, Ana Estanqueiro, INETI-Department of Renewable Energies, 2004, pp.185-193.

Estanqueiro, A., L. Negas, J. Fonseca e M. Mendes. Apontamentos de Matemática– 3ª edição, Universidade Lusíada Editora, Lisboa, Novembro 2006. [ISBN: 972-8883-80-3].

Estanqueiro, A., L. Negas, J. Fonseca e M. Mendes. Apontamentos de Matemática– 2ª edição, Universidade Lusíada Editora, Lisboa, Novembro 2003. [ISBN: 972-8883-55-2].

Estanqueiro, A., L. Negas, J. Fonseca e M. Mendes. Apontamentos de Matemática – 3ª edição, Universidade Lusíada Editora, Lisboa, Novembro 2003 [ISBN:972-8397-81-x].

Estanqueiro, A., V. Nunes e G. Stolz (Ed.s). (2003). Aprovechamiento del Recurso Eólico en Latino america. Volume I: Informacion Meteorológica e Evaluacion del Potencial Eólico. Mattio, H., Feitosa, E., Stolz, G., Gálvez, G., Cruz, I., Estanqueiro, A. Teixeira, F. e Cataldo, J. Rede RIGE-CYTED, Montevideu, (em pub.).

P. Rosas e A. Estanqueiro (2003). Guia de Projecto Eléctrico de Centrais Eólicas, 51 pp. CBEE, Recife, Brasil.

Gonçalves, H., A. Joyce e L. Silva, Eds. (2002). Forum Energias Renováveis em Portugal. Uma Contribuição para os Objectivos de Política Energética e Ambiental. ISBN 972-8646-05-4, ADENE/INETI. Capítulo 13º: Eólica. Rodrigues, A. e A. Estanqueiro. 211 pp.

Estanqueiro A. (Ed.) "EOLOS – Base de Dados do Potencial Energético do Vento em Portugal", Ed. CD-ROM, INETI-Departamento Energias Renováveis, Lisboa, 2004. [ISBN: 972-676-195-6]

Patents

A. I. Estanqueiro: *PÁ PARA TURBINA EÓLICA COM BAIXA EMISSÃO DE RUÍDO EM AMBIENTE URBANO*. Ref. No: F01D 5/14 (2006.01), Year: 07/2010

Conference Proceedings

Yoh Yasuda, Atle Rygg Årdal, Daniel Huertas, Enrico Carlini, Ana Estanqueiro, Damian Flynn, Emilio Gomez-Lazaro, Hannele Holttinen, Juha Kiviluoma, Frans von Hulle, Junji Kondoh, Bernhard Lange, Nickie Menemenlis, Michael Milligan, Antje Orths, Charles Smith, Lennart Söder: *Flexibility Chart – Evaluation on diversity of flexibility in various areas*. 12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants. London, United Kingdom, October 22 – 24, 2013, London, United Kingdom, October 22 – 24, 2013; 10/2013

António Couto, Paulo Costa, Luis Rodrigues, Vitor Lopes and, Ana Estanqueiro: *Impact of Weather Regimes on the Wind Power Ramp Forecast*. 12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants. London, United Kingdom, October 22 – 24, 2013, London, United Kingdom; 10/2013

Hannele Holttinen, André Robitaille, Antje Orths, Ivan Pineda, Bernhard Lange, Enrico Carlini, Mark O'Malley, Jody Dillon, Atle Rygg Årdal, Ana Estanqueiro, Emilio Gomez-Lazaro, Lennart Söder, Michael Milligan, Charles Smith: *Summary of experiences and studies for Wind Integration – IEA Wind Task 25*. 12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants. London, United Kingdom, October 22 – 24, 2013, London, United Kingdom; 10/2013

Debra Lew, Lori Bird, Michael Milligan, Bethany Speer, Xi Wang, Enrico Maria Carlini, Ana Estanqueiro, Damian Flynn, Emilio Gomez-Lazaro, Nickie Menemenlis, Antje Orths, Ivan Pineda, J. Charles Smith, Lennart Soder, Poul Sorensen, Yasuda Yoh: *Wind and Solar Curtailment*. 12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants. London, United Kingdom, October 22 – 24, 2013, London, United Kingdom; 10/2013

Michael Milligan, Brendan Kirby, Hannele Holttinen, Juha Kiviluoma, Ana I. Estanqueiro, Sergio Martin-Martinez, Emilio Gomez-Lazaro, Ivan Pineda, Charlie Smith, Frans Van Hulle: *Wind Integration Cost and Cost-Causation*. 12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants. London, United Kingdom, October 22 – 24, 2013, London, United Kingdom; 10/2013

D Lew, L Bird, E Carlini, A Estanqueiro, D Flynn, E Gómez-Lázaro, B Lange, N Menemenlis, A Orths, I Pineda, C Smith, L Soder, P Sørensen, Y Yasuda, H Holttinen: *Wind and Solar Curtailment: International Experience and Practices*. International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Farms; 10/2013

José Osório, Ana Estanqueiro: *Winning End Users Active Support to Demand Side Response*. 11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants, Lisbon, Portugal; 11/2012

Paulo Bonifácio, Susana Viana, Luis Rodrigues, Ana Estanqueiro: *Assessment of PV and Wind Microgeneration's Impact in the Power Quality of Low and Medium Voltage Distribution Networks*. 2nd International Workshop on Integration of Solar Power into Power Systems, Lisbon, Portugal; 11/2012

Carlos B. Mateus, Ana Estanqueiro: *Regulation of the Wind Power Production: Contribution of the Electric Vehicles and Other Energy Storage Systems*. 11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants, Lisbon, Portugal; 11/2012

Miguel Fernandes, Paulo Costa, Teresa Simões, Ana Estanqueiro: *Using Data Assimilation in Mesoscale Numerical Modelling to Map Offshore Wind Resource*. Offshore Wind and other marine renewable Energies in Mediterranean and European Seas, Rome, Italy; 09/2012

Raquel Marujo, Paulo Costa, Miguel Fernandes, Teresa Simões, Ana Estanqueiro: *Validation of an Offshore Wind Atlas Using the Satellite Data Available at the Coastal Regions of Portugal*. Offshore Wind and other marine renewable Energies in Mediterranean and European Seas, Rome, Italy; 09/2012

A. I. Estanqueiro: *Using a Data Assimilation Scheme to Improve Offshore Wind Resource Assessments*. Proceedings of the Offshore Wind and other marine renewable Energy in Mediterranean and European Seas, Rome, Italy; 09/2012

Nuno Silva, Teresa Simoes, Paulo Costa, A. I. Estanqueiro: *Impact of weather conditions on the windows of opportunity for operation of offshore wind farms in Portugal..* Proceedings of the Offshore Wind and other marine renewable Energy in Mediterranean and European Seas, Rome, Italy; 09/2012

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