



Curriculum Vitæ

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(FCT-UNL)

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1. PERSONNAL DATA

Maria Júlia Fonseca Seixas

Year and local of birth: 1962, Lobito, Angola

Nacionality: Portuguese

Home Address: Av. Luis Bivar, 85-4ºDto, 1050-143 Lisboa



Professional Address: Department of Environmental Sciences and Engineering

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2. ACADEMIC QUALIFICATIONS

- 1998 PhD in Environmental Engineering, Universidade Nova de Lisboa, Monte de Caparica (March, 13th).
- 1986/87 Master in Probability and Statistics (scholar component), Faculdade de Ciências, Universidade de Lisboa
- 1985 Environmental Engineering degree, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.

3. PROFESSIONAL ACTIVITY

- 2016- Assistant Professor with habilitation, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.
- 1998-2016 Assistant Professor, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.
- 1989-1998 Lecturer, Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa.
- 1986 - 1989 Young scientist at CEEETA (Center for Economics, Energy and Environmental Studies), Instituto Superior de Economia e Gestão, Universidade Técnica de Lisboa.

4. TEACHING

1998-onwards

Department of Environmental Sci. & Engineering. NOVA University of Lisbon, Faculdade de Ciências e Tecnologia.

Current courses under the Master on Environmental Engineering: 1. Geographic Information Technologies. 2. Environmental Remote Sensing; 3. Energy and Climate Change. 4. Environmental Risk Assessment, (module on Climatic Risk Management)

Current courses under PhD program on Climate Change and Sustainable Development Policies, and PhD program on Global Studies: 5. Energy and Climate Change. 6. Sustainability and Climate Change

5. SCIENTIFIC SUPERVISION

5.1. PhDs

Awarded:

1. João Pedro Nunes, 2008. *Scale invariance in spatial processes: the case of soil erosion under climate change*. J. P. Nunes works currently as sénior researcher at Wageningen University in Netherlands.
2. Nuno Carvalhais, 2010. *Iberian Peninsula ecosystem carbon fluxes: a model-data integration study*. N. Carvalhais is currently Scientist Leader of the *Model-Data Integration Group* do *Department Biogeochemical Integration at the Max Planck Institute for Biogeochemistry* at Jena, Germany.
3. Nuno Grosso, 2013. *Development of a satellite based PM10 concentration product for urban areas* (co-supervision of F. Ferreira, FCT-UNL). N. Grosso works currently at DEIMOS engineering company.

4. Sofia Simões, 2013. *Untangling the web: integrating energy and environmental policy instruments by assessing their interactions along power systems* (co-supervision of G. Huppes, Leiden University, NL). S. Simões worked at the *Energy Systems Evaluation Unit, Institute for Energy and Transport of the European Commission - Joint Research Centre at Petten, NL*. Currently she's senior researcher at CENSE (FCT-UNL), responsible for setting-up and development of international proposals.
5. Jorge Oliveira e Carmo, 2014. *Wastewater treatment plants management: climate mitigation opportunities and adaptation needs*. (co-supervision of J. S. Matos, Instituto Superior Técnico, Universidade de Lisboa). Currently, he serves as Directorate General for Maritime Policy, Portuguese Government.
6. Patrícia Fortes, 2014. *Long term scenarios for energy and environment, through hybrid models* (co-supervision of Francisco Ferreira). P. Fortes worked at the *Institute for Prospective Technological Studies (IPTS), Joint Research Centre at Seville, Spain*, and currently she is a pos-doc researcher at CENSE (FCT-UNL).
7. Patrícia Ribeiro (2017) *Contribution of Spatial Planning Policies on the Management of Territories Vulnerability to Climate Change. The case of Lisbon downtown*. FCT-UNL (co-supervision of João Ferrão, Institute of Social Sciences, Univ of Lisbon)
8. João Pedro Luz Gouveia (2017) *Empowering consumers from smart meters to policy instruments for a low carbon economy: Assessing the drivers for the reduction of energy consumption in households*, FCT-UNL.

On-going:

9. Vera Gregório (2012) *Energy transition in an urban context: harnessing spatial energy efficiency potential*, FCT-UNL (co-supervision of Darren Robinson, University of Nottingham, UK)
10. Luis Miranda Mendes (2014) *100% Renewables Communities*. FCT-UNL (co-supervision of João Ferrão, Institute of Social Sciences, Univ of Lisbon).
11. Evaldo Costa (2014) *Evaluation of electric mobility scenarios in megacities, the case of S. Paulo, Brazil*. FCT-UNL (co-supervision of Thierry Coosemans, Vrije Universiteit Brussel).
12. Teresa Brás (2015) *Establishing a link between energy and terrestrial productivity models - assessing competition for land and water under climate change scenarios* (co-supervising of Nuno Carvalhais, Max-Planck Institute, Jena, Germany).
13. Juliana Pacheco (2016) *Solar PV in the Brazilian Power System and the nexus with water*. (co-supervising of Joisa Dutra, Fundação Getúlio Vargas, Rio de Janeiro, Brasil).
14. Luis Dias (2017). *City transitions to a sustainable and self-sufficient future*. Universidade NOVA de Lisboa.

5.2. Masters

1. Filipe Moura, 2001. *Curbing Greenhouse Gas Emissions by Passenger cars in Urban Areas - An Application to the Lisbon Metropolitan Area*. IST- Technical University of Lisbon.
2. Sofia Moita, 2004. *Interpolation Methods to Map Bioclimatic Comfort in Portugal for the period 1941-2000*, ISEGI- Universidade Nova de Lisboa.
3. Patrícia Pires, 2005. *Technologic Risk Assessment: methodology and cartography of vulnerable areas in Setubal district*, ISEGI- Universidade Nova de Lisboa.
4. Raquel Real, 2008. *The marginal carbon abatement cost curves for industry sectors in Portugal, by using the IEA-TIMES model* (co-adviser). University of Aveiro. 2008
5. Sandra Mesquita, 2009. *Spatial distribution modeling of air quality in Lisbon, using Geographic Information Systems* (co-adviser), ISEGI- Universidade Nova de Lisboa.

Integrated Master on Environmental Engineering:

6. Carlos Amaral Netto, 2008, Forestry Biomass for Energy resources - the case of 3 municipalities of Santarem district, FCT-UNL.
7. Akli Ait Benali, 2008 Monitoring Chlorophyll-a with Remote Sensing Techniques in the Tagus Estuary. FCT-UNL.
8. António Rocha, 2008, Ascendent Thermic fluxes based on Land Surface Temperature, FCT-UNL.
9. André Candelária, 2008, Assessing the Development of Wave Energy in Portugal, With GIS Support. FCT-UNL.
10. Pedro Lourenço, 2008, Malaria Vector Density modeling using MODIS-NDVI. FCT-UNL.
11. Ana Silva, 2008, Energy Saving potential in the Portuguese households: an assessment with TIMES Model, FCT-UNL.
12. João Pedro Gouveia, 2008, White Certificates - Analysis and contributions for application in Portugal, FCT-UNL.
13. Pedro Lopes, 2008 Assessment of Statistical Downscaling Methods. Application and Comparison of two Statistical Methods to a Single Site in Lisbon. FCT-UNL.
14. João Cleto Nunes, 2008, Climate Change Impacts on Portuguese Energy System in 2050: an assessment with TIMES Model, FCT-UNL.
15. Barbara Maurício, 2009, Climate change and air quality: integration of PM2,5 e PM10 in TIMES_PT model and common reduction measures assessment. FCT-UNL.
16. Luis Dias, 2009, Integrated analysis of climate change and air quality policies through the use of TIMES_PT model: the case of SO2 e NOx. FCT-UNL.
17. Bruno Gomes, 2009, Potential for reduction of greenhouse gases emissions from bioethanol: LCA for sugar beet and thistle. FCT-UNL.
18. Ana Caramelo, 2010, Risk assessment of Mitrena Peninsula: contributions for the risk cartography. FCT-UNL.
19. Teresa Brás, 2010, Assessing Urban Heat Island by using Multilayer Land Surface Temperature from ERS 1/2 and ENVISAT. FCT-UNL.
20. Inês Soares, 2010, European Union Emission Trading Scheme 2013 a 2020: impact assessment for one installation of Solvay Portugal,. FCT-UNL.
21. Gonçalo Elias, 2010, Energy and greenhouse gases emissions assessment for the municipality of Torres Vedras. FCT-UNL.
22. André Amaro, 2011. Constitution of the baseline for carbon projects in Cufada Natural Park under the REDD+ scheme. Work developed in collaboration with the Tropical Science Resercah Institute, FCT-UNL.
23. Elodie Santos, 2011. Flooding risk mapping: comparative analysis of flooding mappings for the city of Tavira. Developed in collaboration with the National Civil Protection Authority. FCT-UNL
24. Liliana Santos, 2011. CO₂ emissions transfers embbded in the Portuguese imports. FCT-UNL
25. Sofia Abelho, 2011. Electricity storage: scenarios for the Portuguese power system, FCT-UNL.
26. Sara Aparício, 2012. *Impacts of Climate Change Scenarios on Terrestrial Productivity and Biomass for Energy in the Iberian Peninsula: Assessment through the JSBACH model*, Co-ading of N. Carvalhais from Max-Planck Institute, Jena, Germany. FCT-UNL.
27. Daniel Câncio Guimarães, 2013. New Biofuel Production technologies: potential for the Portuguese energy system. FCT-UNL.
28. Inês Martins, 2013. Indicators for the study of energy security in Portugal. FCT-UNL.
29. Marta Perdigão, 2013. Assessment of the impacts of climate change scenarios on renewable energy resources: the case of the Portuguese electric system by 2070. FCT-UNL.

30. Paulo Lourenço, 2014. Electricity production from large-scale solar PV and CPV in the countryside of the Évora Municipality: assessment of the technical potential. FCT-UNL.
31. Diana Santos, 2015. Evaluation of power supply infrastructure in Portugal: the particular case of electric vehicles. FCT-UNL
32. Catarina Lopes, 2015. Classification of grassland types in Bayankhongor, Mongolia: Integrated analysis of landsat 8 and MODIS NDVI imagery and geophysical data. (co-advising of Nuno Grosso da empresa Deimos). FCT-UNL
33. Joana Guerreiro, 2015. Assessment of NDVI anomaly patterns and its relation with agricultural drought, using DEIMOS-1 and DMCii data. Case study: Bayankhongot, Mongolia. (co-advising of Nuno Grosso da empresa Deimos). FCT-UNL
34. André Pataco, 2015. Contribution to the assessment of the Leverage Points of the livestock industry to climate change: the Portuguese case. FCT-UNL
35. Diogo Moreira, 2016. Solar Rooftop in households: technical potential for the Municipality of Évora. FCT-UNL.
36. Daniela Silva, 2016. Analysis of the energy consumption in the WWTP, applied to Seixal and Sesimbra units. FCT-UNL
37. Cláudia Oliveira, 2016. Development of energy and climate indicators associated with thermal comfort in residential buildings: mapping in 29 Portuguese municipalities. FCT-UNL
38. Lisandra Miguel, 2017 Profiles of electricity consumption of economic sectors: exploratory analysis based on smart meters. FCT-NOVA
39. Pedro Palma, 2017. Thermal comfort in housing in Portugal: mapping the need for energy at the parish level. FCT-NOVA
40. Sara Gomes, 2017. Evaluation of the Urban Water Cycle through the Nexus Water - Energy approach, Application to the Municipality of Almada. FCT-NOVA
41. Luis Cachinho, 2017. Study of the potential for renewable energy communities in Portugal: the case of the village of S. Luís. FCT-NOVA.
42. Isa Correia, 2017. Analysis of the technical-economic potential of photovoltaic systems in large commercial buildings. FCT-NOVA.
43. João Asseiceira, 2017. Development of a tool for locating and estimating the technical potential for electricity production from large-scale photovoltaic solar, applied to Continental Portugal. FCT-NOVA.

6. ACADEMIC MANAGEMENT ACTIVITIES

- 2018 - Member of the ethics committee of FCT NOVA.
- 2017 - Head of the Department of Environmental Sci. & engineering at FCT NOVA
- 2014 - Member of the plenary session of the Scientific Council of FCT NOVA
- 2014 - Member of the Executive Commission of CENSE (Center for Environmental and Sustainability Research), FCT NOVA
Coordinator of *Energy & Climate* thematic line, CENSE, FCT NOVA
- 2013 - 2015 Coordinator of working group NovaAmbiente of DCEA- FCT NOVA, to promote the dissemination of the Integrated Master of Environmental Eng in high schools, namely through the settlement of a Facebook group (<https://www.facebook.com/fct.novambiente/?fref=ts>) and the creation of a promotional vídeo

(https://www.youtube.com/watch?time_continue=4&v=R27a8eAqmjw).

- 2010 a 2014 Coordinator of Sustainable Environmental Systems section, assuring the academic management within the Department of Environmental Sciences and Engineering (DCEA) and member of the Department Council.
- 2008 a 2013 Coordinator of the *Sustainable Energy and Climate Change* group, CENSE, FCT-UNL
Member of the Executive Commission of CENSE, FCT-UNL
- 2009 - Member of the Scientific Commission of the Doctoral Programme on Climate Change and Sustainable Development Policies (UNL-UL)
- 2009 - Coordinator of the Doctoral Programme on Climate Change and Sustainable Development Policies (UNL-UL) at FCT-UNL, including the management of PhD students registered at FCT
- 2006 a 2008 Member of Scientific Council of ISEGI (Instituto Superior de Economia e Gestão de Informação), UNL
- 1999 a 2008 Member of the Department of Environmental Sciences and Engineering Council, FCT-UNL

7. SCIENTIFIC ACTIVITY

7.1. Scientific Coordination

Center for Environmental and Sustainability Research (CENSE) was settled in 2008, after the former Environmental Systems Analysis Group (GASA)

2014 - present: Coordination of the *Energy and Climate Change* thematic line, whose main scientific objective is the development of knowledge and tools to ensure the compatibility of energy systems (demand and supply) with climate stabilization (i.e. maximum increase of global average temperature around 1,5°C - 2°C compared to pre-industrial era) and the preservation of resources as water and soil. Team of 10 researchers [seven doctoral students (section 5.1), two post-PhDs researchers, plus a senior modeler], and visiting young scientists (eg from the University Federal of Rio de Janeiro), plus 3-4 master students working integrated into ongoing projects.

2014 - present: Coordination of the management of Sustainability Engineering research group (one of the CENSE's two groups) that includes 12 PhDs members, covering scientific areas of (1) monitoring and analysis of the quality of air, water and soil, and technology assessment to reduce pollution, improve environmental quality, and preserve natural resources; (2) modeling systems and energy resources, to assess policies, measures and instruments towards climate mitigation and adaptation; (3) innovation and development-oriented ICT towards an informed, empowered and committed society to the preservation of natural systems.

2008-2013: Coordination of the Sustainable Energy and Climate Change group, dedicated to (1) evaluate the impacts and vulnerabilities to climate change scenarios of Mediterranean ecosystems, particularly through modeling and analysis of the carbon cycle, and (2) modeling climate mitigation of energy systems, through the analysis of cost-effective energy technologies, and its relationship with economic general equilibrium models. Team of 8-10 young scientists.

1998-2008: Coordination, under the former GASA (Environmental Systems Analysis group), of a group of young researchers in the field of remote sensing of environment, and active promotion of knowledge transfer from the Goddard Space Flight Center of NASA in Greenbelt -Maryland (USA) under the scientific

guidance of Prof. Compton J. Tucker and Dr. Jeffrey Privette. Five portuguese students benefited from this process, most of them are now in high positions (e.g. at EMSA - European Maritime Safety, Max-Planck Institute in Germany, Deimos Eng.).

7.2. Research Projects

1. **CLIM2POWER** - Translating climate data into power plants operational guidance. ERA-NET co-fund “European Research Area for Climate Services” (ERA4CS) /FCT MCTES (PT). NOVA.IDFCT (PT), EDP – Energias de Portugal (PT), DWD - Deutscher Wetterdienst (DE), BOKU - University of Natural Resources and Life Sciences (AT), Wien Energie (AT), ARMINES Centre de Mathématiques Appliquées de Mines ParisTech (FR), ACTeon (FR), ARMINES Centre Observation, Impacts, Energie de MINES ParisTech (FR), MAREI - Centre for Marine and Renewable Energy University College Cork (EI), Luleå University of Technology (SE). (Setembro 2017 – Agosto 2021). [Orçamento FCT-UNL: 165 000 € / Total: 2,7 M€]
2. **PrioritEE** - Prioritise energy efficiency (EE) measures in public buildings: a decision support tool for regional and local public authorities. European Regional Development Fund INTERREG MED. FCT/NOVA (PT); CRES- Center for Renewable Energy Resources (EL); UZ - Universidad de Zaragoza (ES); REGEA - North-West Croatia Regional Energy Agency (HR); SEL - Lucanian Energy Society (IT); CIM LT – Comunidade Intermunicipal da Lezíria do Tejo (PT); Potenza Municipality (IT); ANKO – Regional Development Agency of Western Macedonia (EL); Diputación de Teruel (ES); Karlovac municipality (HR); AREANA Tejo (PT) (2017-2019). [Orçamento FCT-UNL: 273 152 € / Total: 2,2 M€]
3. **ClimAdaPT.Local. Climate Change Adaptation Strategies at Local Level.** Portuguese Environment Agency (APA) and EEA Grants. (1) FCT-UNL. (2) FFCUL; (3) CEDRU; (4) WE CONSULTANTS; (5) ICS; QUERCUS; (6) UAVEIRO; (7) ICETA; (8) Almada Municipality; (9) Cascais Municipality; (10) Sintra Municipality; (11) cCHANGE. (Oct 2014- Aug 2016). [Budget FCT-UNL: 66 756 € / Total: 1,5 M€] Coordinator of the FCT-UNL team.
4. **INSMART - Integrative Smart City Planning**, FP7-ENERGY-SMARTCITIES-2012/314164. (1) Coordination: George Giannakidis, Centre for Renewable Energy Sources and Saving, Greece; Partners: (2) FCT-UNL, Portugal. (3) E4SMA Lda, Italy; (4) University of Nottingham, UK, (5) EDPD Distribuição, Portugal; (6) Municipality of Trikala, Italy, (7) Município de Évora, Portugal, (8) Nottingham City Council, UK, (9) Municipality of Cesena, Italy, (10) Systra, UK. (Dec 2013 - Nov 2016). [Budget FCT-UNL: 213 988€ / Total: 2 146 107€] *TASK LEADER*
5. **CCS Roadmap for Portugal.** Global Carbon Capture and Storage Institute, Australia. (1) **Scientific Coordination** J. Seixas, FCT-UNL; Partners: (2) Universidade de Évora), (3) Bellona Foundation, (4) Laboratório Nacional de Energia e Geologia. (Nov 2013 – Out 2014) [Budget FCT-UNL: 33 800 € / Total: 86 758 €] *SCIENTIFIC COORDINATOR*
6. **HERB - Holistic Energy-efficient Retrofitting of Residential Buildings**, FP7-2012-NMP-ENV-ENERGY-ICT-EeB-314283. Personal participation under LastingValues, Lda. (a consultancy company) 18 partners. (Oct 2012 - April 2016). [Total Budget: 5,8 M€] *TASK LEADER*.
7. **COMET - Integrated infrastructure for CO₂ transport and storage in the west MEdiTerranean**, FP7-ENERGY/241400. Participation. (1) Coordination: Dulce Boavida, Laboratório Nacional de Energia e Geologia; (2) Universidade de Évora, Portugal; (3) University of Utrecht, Netherlands; (4) Instituto Geológico y Minero de España, Spain; (5) Bureau de Recherches Géologiques et Minières, France; (6) University Mohamed V Agdal - Institut Scientifique de Rabat, Morocco; (7) Office National des Hydrocarbures et des Mines, Morocco; (8) University Mohammed Premier, Morocco; (9) ASATREM, Lda, Italy; (10) CIEMAT, Spain; (11) FFCT-UNL, Portugal; (12) Forschungszentrum Juelich GmbH, Germany; (13) EDP – Gestão da Produção de Energia S.A.,

Portugal; (14) Endesa, Spain; (15) Galp Energia, SA, Portugal; (16) Office National d'Electricité, Morocco; (17) Tejo Energia, Portugal. (Jan 2010 - Dec 2012). [Budget FFCT-UNL: 138 010€ / Total: 2 343 129€].

8. **HybCO2 - Hybrid approaches to assess economic, environmental and technological impacts of long term low carbon scenarios: the Portuguese case.** (PTDC/AAC-CLI/105164/2008). (1) Coordination: FFCT-UNL; (2) UECE/ISEG/UTL; (3) Departament of Prospective and Planning and International Relations, Ministry of Environment (DPP) (Mar 2010 - Aug 2013). [Budget FFCT-UNL: 84 547€ / Total: 185 588€]. SCIENTIFIC COORDINATOR
9. **MALVEO - Vulnerability Mapping to Malaria Vector from Earth Observation Data: Anopheles atroparvus density mapping under climate scenarios for Southern Portugal** (PTDC/CLI/67910/2006). (1) Coordination: FFCT-UNL; (2) Instituto de Higiene e Medicina Tropical, UNL. (Mar 2007 - Feb 2011). [Budget FFCT-UNL: 59 981€ / Total: 108 612€]. SCIENTIFIC COORDINATION
10. **MODNET, Modelling net primary productivity and carbon balance of Portuguese forest ecosystems at different scales** (PTDC/AGR-CFL/69733/2006), (1) Coordination: ISA-UTL; (2) FFCT-UNL; (3) IST-UTL; (4) UTAD. (Mar 2007 a Fev 2011). [Budget FFCT-UNL: 40 970€ / Total: 185 420€].
11. **CARBOVEG-GB - Quantification of carbon storage and sinks of vegetation pools at Guiné-Bissau**, General-Directorate of Environment at Guiné Bissau and Portuguese Environment Agency. (1) Coordination: IICT; (2) ISA-UTL; (3) FCT-UNL; (4) Metacortex. (Jan 2007 - Dec 2009). [Budget FCT-UNL: 40 800€ / Total: 470 590€].
12. **E2POL - integrated Environmental and Energy Policy approaches to manage electricity Production and Consumption** (POCI/AMB/60646/2004), (1) Coordination: CME-IMAR; (2) E.Value, Lda. (Sep 2005 - Aug 2008). [Budget CME-IMAR: 74 969€ / Total: 74 969€]. SCIENTIFIC COORDINATOR.
13. **CARBERIAN – Terrestrial Vegetation Carbon Trends in the Iberian Peninsula, Exploratory analysis from Northern Atlantic Oscillation related behavior** (PDCTE/CTA/49985/2003), (1) Coordination: FFCT-UNL; (2) Instituto de Ciência Aplicada e Tecnologia, FC-UL. (Oct 2004 - Jun 2007). [Budget FFCT-UNL: 43 512€ / Total: 60 000€]. SCIENTIFIC COORDINATOR.
14. **RES2020, Monitoring and Evaluation of the RES directives implementation in EU 27 and policy recommendations for 2020**, (Intelligent Energy for Europe program). (1) Coordination: Centre for Renewable Energy Sources, GR, (2) CIEMAT, ES, (3) European Renewable Energy Council, Belgium, (4) Politecnico di Torino, IT, (5) Energy Research Centre, NL; (6) Sub-contracted party: FCT-UNL. (Oct 2006 – Apr 2009). [Budget FCT-UNL: 15 000€].
15. **NEEDS, New Energy Externalities Developments for Sustainability**, (FP6-502687). (1) Coordination: Institute of Studies for the Integration of Systems, Italy, 66 partners. Sub-contracted party: FCT-UNL. (Aug 2006 - Feb 2009). [Budget FCT-UNL: 15 000€].
16. **RARIMOSQ – Monitoring and risk analysis of vector-borne diseases using remote sensing data.** Fundação Calouste Gulbenkian. (1) Coordination: CME-IMAR; (2) Instituto de Higiene e Medicina Tropical, UNL. (Jan 2004 a Dez 2006). [Budget CME-IMAR: 69 961€ / Total: 143 910€] SCIENTIFIC COORDINATOR
17. **GeneticLand, Discovering Future Landscapes with Genetic Algorithms** (POCTI/MGS/37970/2001). (1) Coordination: CME-IMAR; (2) Universidade de Lisboa - Fundação da Faculdade de Ciências; (3) Universidade do Algarve. (Sep 2002 - Jul 2005). [Budget CME-IMAR: 50 757€ / Total: 99 475€]. SCIENTIFIC COORDINATOR
18. **Geo@News: Integration of geographic information and satellite imagery in News edition** (POCTI/COM/10085/2001). (1) Coordination: FFCT-UNL. (Jan 2000 - Nov 2002). [Budget FFCT-UNL: 47 100€ / Total: 47 100€]. SCIENTIFIC COORDINATOR

7.3. International Scientific Committees

2017 International Conference on Environment in Portuguese speaking language countries. 8-10 May 2018. Universidade de Aveiro. Member of the Scientific Committee.

2017 3rd International Conference on Energy & Environment: bringing together Economics and Engineering, 29-30 June 2017. Porto. Portugal. Member of the International Scientific Committee.

2017 14th International Conference on the European Energy Market, Dersden, 6-9 June 2017. Germany [[http:// http://eem2017.com/](http://http://eem2017.com/)]. Member of the International Scientific Committee.

2016. Member of the Global Advisory Board for the London-Lisbon-Milan 'Sharing Cities' Horizon 2020 Smart Cities and Communities Project. [2016-2021]

2016. 22nd International Sustainable Development Research Society Conference, 13-15 July 2016, Lisbon, Portugal. [<http://www.isdrsconference.org/site/view/159/track-3a/>] Track chair: Climate Change: predicting impacts.

2016. 13th International Conference on the European Energy Market, Porto, 6-9 June 2016. Portugal [<http://www.eem2016.com/>]. Member of the International Scientific Committee.

2016. Energy Economic Iberia Conference (EEIC2016), 4-5 Fevereiro 2016. APEEN - Associação Portuguesa de Economia da Energia (Energy Economics Portuguese Association), AEEE - Asociación Española para la Economía Energética. Lisbon, Portugal [<http://www.eeic2016.org/>] Member of the Scientific Committee.

2015. World Symposium on Climate Change Adaption (WSCCA-2015), 2-4 September 2015, Manchester, United Kingdom [<http://www.haw-hamburg.de/en/wscca-2015/organizers.html>]. Member of the Scientific Committee.

2015. International Conference on Energy, Environment and Climate Change, 7-9 July 2015, Mauritius. [<http://www.iceecc.org/committees.html>]. Member of the International Scientific Committee.

2015. 12th International Conference on the European Energy Market, Lisbon, 20-22 May 2015. Portugal [<http://eem15.com/>]. Member of the International Scientific Committee

2013. Member of the *advisory board* of the EU project S3C (Smart consumer, Smart customer, Smart Citizen) [www.s3c-project.eu]. 2013-2015

2013. Klima 2013 online Conference: "Opportunities and challenges for climate change management in Latin America" 4-8 November 2013 [<http://klima2013.net/en/committee>]. Advisory Board Member.

2012. Klima 2012 online Conference: "Climate Change, Island States and Sustainable Technologies" 5-9 November 2012. Advisory Board Member.

2011. Klima 2011 online Conference: "Climate Change and Disaster Risk Management" 7-12 November 2011 [<http://www.climate2011.net/en/committee>]. Membro do Scientific Committee.

2011 International Scientific Committee of the 3rd International Youth Conference on Energetics 2011 – IYCE 2011. Leiria, 6-9 July 2011. Portugal [http://www.iyce-conf.org/archive/iyce2011/index.php?l=en&p=committees&s=scientific_board2]

7.4. Portuguese Scientific Committees

2014. PCEEE 2014- Portugal in Conference for an Energy Efficient Economy, June, 20th. Fundação Calouste Gulbenkian. Lisbon.

2013. 10th National Conference on Environment. Nov 6 - 8. University of Aveiro.
2012. CLIMA 2012: III Poon Climate Change, June 1-2. Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa. President of the Scientific Commission.
2012. PCEEE 2012- Portugal in Conference for an Energy Efficient Economy, June 22th. Faculdade de Ciências e Tecnologia da Universidade de Coimbra. Coimbra
2010. PCEEE 2010 - Portugal in Conference for an Energy Efficient Economy, June 22th. Fundação Calouste Gulbenkian. Lisbon

7.5 Organization of Conferences and Scientific Meetings

2017. CLIMATE-KIC HUB PORTUGAL DAY. 7 December. Reitoria da Universidade NOVA. Campus de Campolide. Lisboa. CENSE, FCT NOVA. *Co-organizer*.
2016. CLIMATE-KIC LAUNCHING EVENT. 29 November, Fundação Calouste Gulbenkian. Lisboa. CENSE, FCT NOVA. *Co-organizer*.
2016. E3s workshop STAKEHOLDER ENGAGEMENT FOR THE ENERGY TRANSITION, 7 Outubro. Economic, environmental and social impacts Joint Program of EERA (European Energy Research Alliance). Campus FCT NOVA. *Co-organizer*.
2016. Steering Board meeting of the Economic, environmental and social impacts Joint Program of EERA (European Energy Research Alliance), 6 Outubro. Campus FCT NOVA. *Co-organização*.
2016. ECONOMICS OF ELECTRIC MOBILITY. March 18. University of Lisbon, New University of Lisbon, Portuguese Association for Energy Economics, Portuguese Association on Electric Vehicles. ISt. Lisbon. *Lead organization*.
2015. I CLIMATE CHANGE CONGRESS FOR THE CPLP (COMMUNITY OF THE PORTUGUESE SPEAKING COUNTRIES). November 19-20. Rectory of the University of Lisbon. Lisbon. Portugal. Member of the organizing committee.
2015. A CARBON TAX IN PORTUGAL: FROM THE NEED TO VIRTUOSITY. Invited speaker: Prof. Alfredo Marvão Pereira, Professor of Economics on The College of William and Mary, EUA. April, 15th. Library Auditorium FCT-UNL. Monte de Caparica. *Lead organization*.
2015. THE INDUSTRY IN TRANSITION TO A LOW CARBON ECONOMY: THE ROLE OF THE CCS TECHNOLOGY. March 5th. GREENBUSINESSWEEK–Centro de Congressos de Lisboa. Lisbon. *Lead organization*.
2012. Regular ETSAP Workshop, December 10-11, IEA-ETSAP. Campus FCT. Caparica. *Lead organization*. [http://www.iea-etsap.org/web/Lisbon_Dec2012.asp]
2012. ENERGY-ECONOMY-ENVIRONMENTAL MODELLING International Workshop, with the participation of Prof. Marvão Pereira, from William & Mary University (USA) and Prof. Christoph Böhringer from University of Heidelberg. Fundação Calouste Gulbenkian, Oct 12th. Lisbon. *Lead organization*.
2007. Scientific Meeting of EU PROJECT RES2020– MONITORING AND EVALUATION OF THE RES DIRECTIVES IMPLEMENTATION IN EU 27 AND POLICY RECOMMENDATIONS FOR 2020. FCT-UNL.
2003. Workshop CARBON ECONOMY FOR COMPANIES, (EDP, Associação Industrial Portuguesa, Portucel/Soporcel Group, Jornal de Negócios). November 10-15. Environmental Institute, Lisbon.

2003. Workshop REMOTE SENSING OF CARBON BUDGET AND CYCLE; Laboratory for Terrestrial Physics, NASA, Maryland. Set 26th. Fundação Luso-Americana. Lisbon. *Lead organization.*

2002. Scientific Meeting of the INTERNATIONAL FOUNDATION FOR SCIENCE [www.ifs.se]. Evaluation of research proposals from developing countries, Oct 19th. FCT-UNL. *Lead organization.*

2001. Workshop CARBON ECONOMY (Euronatura; EDP, GalpEnergia, Secretaria de Estado dos Transportes, Direcção Geral do Ambiente). February 12-13. Lisbon. *Lead organization.*

2000. III LEAD AUTHORS MEETING OF IPCC (Intergovernmental Panel on Climate Change), Working Group II's Contribution to the Third Assessment Report, Climate Change: Impacts, Adaptation and Vulnerability. August 8-11. FCT-UNL. *Lead organization.*

2000. Special Event under the Subsidiary Bodies of the United Nations Framework Convention on Climate Change, GOOD PRACTICES ON POLICIES AND MEASURES: APPROACHES TO PROMOTE INFORMATION SHARING; Portuguese Environmental Ministry and UNFCCC. June 10th. Bonn. Germany.

1995-1998. Member of the Board Members and Reviewers of the Special Interest Conference Committee (SICC1, Geographic Information Technology) of the Joint European Conference on Geographic Information. [Paris, Barcelona, Vienna, The Hagen Conferences]

7.6. Redes Internacionais

Since 2015 - Member of the Joint Program 'Economic, environmental and social impacts' da EERA (European Energy Research Alliance) [<https://www.eera-set.eu/eera-joint-programmes-jps/economic-environmental-and-social-impacts-jp-e3s/>]

Since 2016 - Member of the Red SUMAS (Sustentabilidad Energetica, medio ambiente y Sociedad), CIICAP, México [<http://www2.ciicap.uaem.mx/rs/index.html>]

7.7. Editor and Reviewer of Scientific Publications

2017 Co-Editor of the Virtual Special Issue "Development and application of innovations and methodologies for energy efficiency in refurbishment of domestic buildings" da ENERGY AND BUILDINGS (<http://www.sciencedirect.com/science/journal/03787788/vsi/107K7LS8RF4>).

2009-2015 *Deputy Editor* do *International Journal of Climate Change Strategies and Management*, (Emerald Group Publishing Lda., United Kingdom ISSN: 1756-8692). Responsible for the management of the reviewing process of the submitted manuscripts, including the relation with the corresponding author.

2015. Co-Editor of the book *Climate Change Adaptation, Resilience and Hazards*, Climate Change Management Series, Springer International Publishing AG, Switzerland. In press.

Frequent reviewer for the following journals: Energy | Energy Policy | Climate Policy | Climatic Change | Journal of Cleaner Production | Renewable & Sustainable Energy Reviews | Transportation Research Part C | International Journal of Remote Sensing | Remote Sensing of Environment.

8. PROMOTION OF CLIMATE INNOVATION

Since 2016, J. Seixas has coordinated the Climate-KIC Hub Portugal, which carries out activities for the promotion and development of climate innovation activities (advanced education, professional education, ideation and research projects) within the European Climate-KIC network. The objective is to boost and realize the innovation potential in Portugal for a competitive, carbon-free economy in four areas: Urban Transition, Sustainable Production Systems, Land Use Management, and Decision and Financial Metrics. The activities are based on the active transfer of knowledge and technology from research to the market, usually involving researchers and entrepreneurs in specific programs. Selected examples of activities, under her promotion action include:

- WinDeprot, pathfinder project of researchers in chemical engineering for the validation of prototype to the market, to change the production of white wine to a more efficient and clean process; [Pathfinder Program 2017-2018]
- SSD-Alfama, researchers project of CENSE (J. Seixas coordinates the project) and Lisbon E-Nova for the definition of innovative projects that integrate clean mobility, buildings and public spaces resilient to the climate in Alfama district [Smart and Sustainable District Program 2017-2018]
- Zero Waste Solutions, ideation activity in the municipality of Torres Vedras that brought together more than 50 stakeholders to generate innovative ideas for a zero waste economy. [CLIMATHON Initiative, Oct. 27, 2017]
- Journey 2016, Summer School on Climate Innovation. 2-15 July. Campus FCT NOVA. It included 39 participants from 19 nationalities.

9. PUBLICATIONS

9.1. International Journals with Peer Review

Journal H Index obtido de SJR SCImago Journal & Country Rank, de <http://www.scimagojr.com>; Citações obtido de Scopus.com

Author h-index : 14 (Fonte: Scopus.com)

- 43 Simoes, S., L. Dias, J. P. Gouveia, J. **Seixas**, R. de Miglio, A. Chiodi, M. Gargiulio, G. Long, G. Giannakidis (2018) INSMART - Insights on integrated modelling of EU cities energy system transition. *Energy Strategy Reviews* 20, 150 -155. <https://doi.org/10.1016/j.esr.2018.02.003>
- 42 Gouveia, J.P., **Seixas**, J., Long, G. (2018). Mining households' energy data to disclose fuel poverty: Lessons for Southern Europe. *Journal of Cleaner Production*, Volume 178, 534-550 <https://doi.10.1016/j.jclepro.2018.01.021>
- 41 Gouveia, J.P., **Seixas**, J., Mestre, A. (2017). Daily Electricity Profiles from Smart Meters - Proxies of Active Behaviour for Space Heating and Cooling. *ENERGY*, 141 (2017) 108-122. <https://doi.org/10.1016/j.energy.2017.09.049>.
- 40 Gregório, V., **Seixas**, J. (2017) Energy savings potential in urban rehabilitation: A spatial-based methodology applied to historic centres. *ENERGY AND BUILDINGS*. Vol. 152, pp. 11–23.
- 39 Gouveia, J.P., Palma, P., **Seixas**, J. and Simoes, S. (2017) Mapping Residential Thermal Comfort Gap at Very High Resolution Spatial Scale: Implications for Energy Policy Design. *IAEE ENERGY FORUM*. Singapore 2017. pp 43-45.
- 38 Chávez-Rodríguez, M, Dias L, Simoes S, **Seixas** J, Hawkes A, Szklo A, Lucena A. (2017) Modelling the role of natural gas in the Southern Cone of Latin America. *APPLIED ENERGY*. 201(1), 219-239.

- 37 Costa, E., J. **Seixas**, G. Costa, and T. Turrentine (2017) Interplay between ethanol and electric vehicles as low carbon mobility options for passengers in the municipality of São Paulo. *INTERNATIONAL JOURNAL OF SUSTAINABLE TRANSPORTATION*, 11 (7) 518-525. <http://dx.doi.org/10.1080/15568318.2016.1276651>
- 36 Simoes, S., Gregório, V., **Seixas**, J. (2016), Mapping fuel poverty in Portugal. *ENERGY PROCEDIA* Volume 106, 155-165. <https://doi.org/10.1016/j.egypro.2016.12.112>.
- 35 Gouveia, JP, **Seixas** J. (2016) Unraveling electricity consumption profiles in households through clusters: Combining smart meters and door-to-door surveys. *ENERGY AND BUILDINGS*. 116, 666–676. doi:10.1016/j.enbuild.2016.01.043
- 34 Simoes, S., Huppel, G., and **Seixas**, J. (2015) A Tangled Web: Assessing overlaps between energy and environmental policy instruments along the electricity supply chain. *ENVIRONMENTAL POLICY AND GOVERNANCE*, 25 (6), 439–458, doi: 10.1002/eet.1691.
- 33 Aparício, S., N. Carvalhais, J. **Seixas** (2015) Climate Change Impacts on the Vegetation Carbon Cycle of the Iberian Peninsula – intercomparison of CMIP5 results. *JOURNAL OF GEOPHYSICAL RESEARCH: BIOGEOSCIENCES*, 120, 641–660. DOI: 10.1002/2014JG002755.
- 32 **Seixas**, J., S. Simões, L. Dias, A. Kanudia, P. Fortes, M. Gargiulo (2015) Assessing the cost-effectiveness of electric vehicles in European countries using integrated modeling, *ENERGY POLICY*, 80, 165-176. DOI: 10.1016/j.enpol.2015.01.032
- 31 Simoes, S., Fortes, P., **Seixas**, J., Huppel, G., (2015) Assessing effects of exogenous assumptions in GHG emissions forecasts - a 2020 scenario study for Portugal using the Times energy technology model. *TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE* 94, 221-235. DOI: 10.1016/j.techfore.2014.09.016.
- 30 Fortes, P., Alvarenga, A., **Seixas**, S., Rodrigues, S. (2015). Long-term energy scenarios: Bridging the gap between socio-economic storylines and energy modeling. *TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE* 91, 161–178 DOI:10.1016/j.techfore.2014.02.006.
- 29 Fortes, P., R. Pereira, A. Pereira, J. **Seixas** (2014) Integrated technological-economic modeling platform for energy and climate policy analysis, *ENERGY*, 73, 716–730. DOI: 10.1016/j.energy.2014.06.075.
- 28 Gouveia, J., L. Dias, I. Martins, J. **Seixas** (2014) Effects of Renewables penetration on the Security of Portuguese electricity supply, *APPLIED ENERGY*, 123 (2014) 438–447.
- 27 Benali, A., Nunes, J.P., Freitas, F.B., Sousa, C.A., Novo, M.T., Lourenço, P.M., Lima, J.C., **Seixas**, J., Almeida, A.P.G. (2014) Satellite derived estimation of environmental suitability for malaria vector development in Portugal, *REMOTE SENSING OF ENVIRONMENT*, 145, 116–130. DOI: 10.1016/j.rse.2014.01.014.
- 26 Costa, A., M. Madeira, J. L. Santos, T. Plieninger, J. **Seixas** (2014) Fragmentation patterns of evergreen oak woodlands in Southwestern Iberia: Identifying key spatial indicators. *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, 133, 18-26. DOI: 10.1016/j.jenvman.2013.11.026.
- 25 Simões, S., **Seixas**, J., Fortes, P., Huppel, G. (2014). The Savings of Energy Saving: Interactions between energy supply and demand side policies - quantification for Portugal. *ENERGY EFFICIENCY*. 7 (2), 179-201. DOI: 10.1007/s12053-013-9217-7.
- 24 Kanudia, A., N. Berghout, D. Boavida, M. van den Broek, H. Cabal, J. Carneiro, P. Fortes, M. Gargiulo, J. P. Gouveia, M. Labriet, Y. Lechón, R. Martinez, P. Mesquita, A. Rimi, J. **Seixas**, GC. Tosato (2013) CCS infrastructure development scenarios for the integrated Iberian Peninsula and Morocco energy system. *ENERGY PROCEDIA* 37, 2645-2656.
- 23 van den Broek, M., P. Mesquita, J. Carneiro, J. R. Silva, N. Berghout, A. Ramírez, J. P. Gouveia, J. **Seixas**, H. Cabal, R. Martinez, A. Rimi, Y. Zarhloule, M. Sardinha, D. Boavida, GC. Tosatoj (2013) Region specific challenges of a CO2 pipeline infrastructure in the West Mediterranean area Model results versus stakeholder views. *ENERGY PROCEDIA* 37, 3137-3146.
- 22 Gouveia, J.P., **Seixas**, J., Labriet, M., Fortes, P., Gargiulo, M., (2013) Perspectives for the Adoption of CCS Technology in the Iberia Peninsula, *JOURNAL OF SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS*. (2) 31–41. doi:10.1016/j.seta.2013.02.002
- 21 Fortes, P.; Simões, S.; **Seixas**, J.; Van Regemorter, D.; Ferreira, F. (2013). Top-down and bottom-up modelling to support low-carbon scenarios: climate policy implications. *CLIMATE POLICY*. 13 (3), 285-304. DOI: 10.1080/14693062.2013.768919
- 20 Nunes J.P., **Seixas** J., Keizer J. (2013) Modeling the response of within-storm runoff and erosion dynamics to climate change in two Mediterranean watersheds: a multi-model, multi-scale approach to scenario design and analysis. *CATENA*. 102, 27-39. DOI: 10.1016/j.catena.2011.04.001

- 19 Gouveia, J.P.; Fortes, P.; **Seixas**, J. (2012). Projections of Energy Services Demand for Residential Buildings: Insights from a Bottom-up Methodology. *ENERGY, The International Journal*. 47, 430-442. DOI: 10.1016/j.energy.2012.09.042.
- 18 Lourenço, Pedro M., Sousa C., **Seixas** J., Lopes P., Novo M. T., and Almeida P., (2011) Anopheles atroparvus density modeling using MODIS NDVI in a former malarious area in Portugal. *JOURNAL OF VECTOR ECOLOGY*, 36 (2), 279-291. DOI: 10.1111/j.1948-7134.2011.00168.x.
- 17 Carvalhais, N., M. Reichstein, G. J. Collatz, M. D. Mahecha, M. Migliavacca, C. S. Neigh, E. Tomelleri, A. A. Benali, D. Papale, and J. **Seixas** (2010) Deciphering the components of regional net ecosystem fluxes following a bottom-up approach for the Iberian Peninsula. *BIOGEOSCIENCES*, 7, 3707-3729. DOI: 10.5194/bg-7-3707-2010
- 16 Carvalhais, N., M. Reichstein, P. Ciais, J. Collatz, M. Mahecha, L. Montagnani, D. Papale, S. Rambal, J. **Seixas** (2010) Identification of vegetation and soil carbon pools out of equilibrium in a process model via eddy covariance and biometric constraints. *GLOBAL CHANGE BIOLOGY* 16, 2813–2829. DOI: 10.1111/j.1365-2486.2010.02173.x
- 15 Nunes J.P., J. **Seixas**, Keizer J.J., Ferreira A.J.D. (2009). Sensitivity of runoff and soil erosion to climate change in two Mediterranean watersheds. Part II: assessing impacts from changes in storm rainfall, soil moisture and vegetation cover. *HYDROLOGICAL PROCESSES*, 23 (8): 1212-1220. DOI: 10.1002/hyp.7250 [H Index: 125] [21 citações].
- 14 Nunes J.P., J. **Seixas**, Keizer J.J., Ferreira A.J.D. (2009). Sensitivity of runoff and soil erosion to climate change in two Mediterranean watersheds. Part I: model parameterization and evaluation. *HYDROLOGICAL PROCESSES*, 23 (8): 1202-1211. DOI: 10.1002/hyp.7247.
- 13 **Seixas**, J., N. Carvalhais, C. Nunes, A. Benali (2009). Comparative Analysis of MODIS-FAPAR and MERIS-MGVI datasets, Potential Impacts on Ecosystem Modeling, *REMOTE SENSING OF ENVIRONMENT*, 113 (12) 2547-2559. DOI: 10.1016/j.rse.2009.07.018.
- 12 Carvalhais, N., M. Reichstein, J. **Seixas**, G. J. Collatz, J. S. Pereira, P. Berbigier, A. Carrara, A. Granier, L. Montagnani, D. Papale, S. Rambal, M. J. Sanz, and R. Valentini (2008). Implications of Carbon Cycle Steady State Assumptions for Biogeochemical Modeling Performance and Inverse Parameter Retrieval. *GLOBAL BIOGEOCHEMICAL CYCLES*, 22(2), GB2007, doi:10.1029/2007GB003033.
- 11 Nunes J. P., J. **Seixas**, Pacheco N. R. (2008). Vulnerability of water resources, vegetation productivity and soil erosion to climate change in Mediterranean watersheds. *HYDROLOGICAL PROCESSES*. 22 (16), 3115-3134. DOI: 10.1002/hyp.6897
- 10 Simões, S., Cleto, J., Fortes, P., J. **Seixas**, Huppel, G. (2008). Cost of energy and environmental policy in Portuguese CO2 abatement-scenario analysis to 2020. *ENERGY POLICY*, 36, 3598-3611. DOI: 10.1016/j.enpol.2008.06.004.
- 9 Datta, D., Deb, K., Fonseca, C., Lobo, F., Condado, P., J. **Seixas** (2007) Multi-Objective Evolutionary Algorithm for Land-Use Management Problem. *INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENT RESEARCH*, 3(4), 371-384.
- 8 Nunes, J. P., Vieira, G., J. **Seixas**, Gonçalves, P., Carvalhais, N. (2005). Evaluating the MEFIDIS model for runoff and soil erosion prediction during rainfall events. *CATENA*, 62 (2-3), 210-228. DOI: 10.1016/j.catena.2005.03.005
- 7 **Seixas**, J. (2000). Assessing Heterogeneity from Remote Sensing Images: the case of desertification in southern Portugal. *INTERNATIONAL JOURNAL OF REMOTE SENSING*, 21 (13-14), 2645-2663. DOI: 10.1080/01431160050110214
- 6 Câmara A., F. Ferreira, P. Loucks, J. **Seixas**, (1992) Multidimensional Simulation applied to Water Resources Management, *SIMULATION*, August 1992, 139-142. DOI: 10.1029/WR026i009p01877
- 5 **Seixas**, J., A. Câmara, P. Antunes, M. Pinheiro, (1991) Accommodating Structural Change in Environmental Systems: the Approach of Qualitative Simulation, *JOURNAL OF FORECASTING*, 10 (1&2), 211-230.
- 4 Câmara A., F. Ferreira, P. Loucks, J. **Seixas**, (1990) Multidimensional Simulation applied to Water Resources Management, *WATER RESOURCES RESEARCH*, 26(9), 1877-1886. DOI: 10.1029/WR026i009p01877
- 3 Câmara A., M. Pinheiro, P. Antunes and J. **Seixas** (1987) A new method for Qualitative Simulation of Water Resources Systems - 1 Theory, *WATER RESOURCES RESEARCH*, 23(11), 2015-2018. DOI: 10.1029/WR023i011p02015

- 2 Antunes, P., J. **Seixas**, Câmara A. and M. Pinheiro, (1987) A new method for Qualitative Simulation of Water Resources Systems – 2 Applications, WATER RESOURCES RESEARCH, 23 (11), 2019-2022. DOI: 10.1029/WR023i011p02019
- 1 Câmara A., J. **Seixas**, M. Pinheiro and P. Antunes, (1987) Linguistic Dynamic Simulation- a new approach, SIMULATION, 49(5), 208-212. DOI: 10.1177/003754978704900504.

9.2. Book Chapters

- 13 Giannakidis, G., M. Gargiulo, R. De Miglio, A. Chiodi, J. **Seixas**, S. Simoes, L. Dias, and J. Gouveia (2018) Challenges faced when addressing the role of cities towards a below 2 degree world. In: "LIMITING GLOBAL WARMING TO WELL BELOW 2°C: ENERGY SYSTEM MODELLING AND POLICY DEVELOPMENT", Eds. G. Giannakidis, K. Karlsson, M. Labriet, B. Ó Gallachóir. Springer. Lecture Notes in Energy (Forthcoming 2018).
- 12 **Seixas**, J. Simões, S., Fortes, P. Gouveia, J. P. (2018) The pivotal role of electricity to the deep decarbonization of energy system: cost-effectiveness options for Portugal, In: "LIMITING GLOBAL WARMING TO WELL BELOW 2°C: ENERGY SYSTEM MODELLING AND POLICY DEVELOPMENT", Eds. G. Giannakidis, K. Karlsson, M. Labriet, B. Ó Gallachóir. Springer. Lecture Notes in Energy (Forthcoming 2018).
- 11 Gregório, V, Simões S, **Seixas**, J. (2016). Trade-Offs between climate change adaptation and mitigation options for resilient cities: Thermal comfort in households. In: Innovation in climate change adaptation. Ed. Leal Filho, W. Climate Change Management Series. pp 113-129. Springer International Publishing. DOI: 10.1007/978-3-319-25814-0.
- 10 Chiodi, A., P. Taylor, J. **Seixas**, S. Simões, P. Fortes, J. Gouveia, L. Dias, B. Ó Gallachóir (2015) Energy policies influenced by energy systems modeling – case studies in UK, Ireland, Portugal and G8. In Informing Energy and Climate Policies using Energy Systems Models, (Eds) George Giannakidis, Maryse Labriet, Brian Ó Gallachóir, GianCarlo. Springer, Lecture Notes in Energy. ISBN: 978-3-319-16539-4. Volume 30. pp 15-41.
- 9 Kempener, R., E. Assoumou, A. Chiodi, U. Ciorba, M. Gaeta, D. Gielen, H. Hamasaki, A. Kanudia, T. Kober, M. Labriet, N. Maïzi, B. Ó Gallachóir, D. Saygin, J. **Seixas**, N. Wagner, E. Wright (2015) A global renewable energy roadmap: Comparing energy systems models with IRENA's REmap 2030 project. In Informing Energy and Climate Policies using Energy Systems Models, (Eds) George Giannakidis, Maryse Labriet, Brian Ó Gallachóir, GianCarlo, Springer, Lecture Notes in Energy. ISBN: 978-3-319-16539-4. Volume 30. pp 43-68.
- 8 Nunes, J.P., **Seixas**, J., (2011). Modelling the impacts of climate change on water balance and agricultural and forestry productivity in southern Portugal using SWAT. In: Soil Hydrology, Land Use and Agriculture, Measurement and Modelling. Edited by Manoj K. Shukla CABI Publishing, Wallingford (UK). DOI 10.1079/9781845937973.0366
- 7 **Seixas**, J., Nunes J. P., Lourenço P., Corte-Real J. (2007). GeneticLand: Modeling Land Use Change Using Evolutionary Algorithms. In: Koomen E., Bakema A., Stillwell J., Scholten H. (Eds.), Simulating Land-Use Change. Springer Verlag. Dordrecht. 181-196.
- 6 Nunes J. P., Vieira G. N., **J. Seixas** (2006). MEFIDIS: a physically-based, spatially-distributed runoff and erosion model for extreme rainfall events. In: Singh V. P. and Frevert D. K. (Eds.), Watershed Models. Taylor and Francis. Boca Raton. 291-314.
- 5 **Seixas**, J. (1999). Spatial-Time Data Analysis: the case of desertification, In: Craglia, M. and H. Onsrud, (Eds), Geographic Information Research: Trans-Atlantic Perspectives. European Science Foundation / National Science Foundation, Taylor & Francis, 339-352.
- 4 Ferreira, F., **J. Seixas**, C. Nunes, and J.P.Silva, (1998) Air Pollution Space-Time Analysis, In Igor Linkov, Richard Wilson (Eds) AIR POLLUTION IN THE URAL MOUNTAINS: Environmental, Health and Policy Aspects, NATO ASI Series, Dordrecht: Kluwer Academic Publishers, Volume 40, pp 341-349.
- 3 **Seixas**, J., F. Ferreira, C. Nunes, J. P. Silva, (1997) Space-Time Analysis of Air Pollution in Lisbon, in: A. Soares, J. Hernandez, and R. Froidevaux (Eds) GEOENV I- GEOSTATISTICS FOR ENVIRONMENTAL APPLICATIONS, Dordrecht: Kluwer Academic Publishers, pp. 401-414.
- 2 Antunes P., J. **Seixas**, A. Câmara, M. Pinheiro, (1987) Dynamic Simulation with Logic for Water Quality Management, in M. Beck, Ed., SYSTEMS ANALYSIS IN WATER QUALITY MANAGEMENT, Pergamon Press, London. pp 401-409.
- 1 **Seixas** J., M. Pinheiro; P. Antunes; A. Câmara, (1987) Logic Dynamic Simulation - A new approach, in G. Ferraté and C. Kulikowski, (Eds.), AI, EXPERT SYSTEMS AND LANGUAGES IN MODELING AND

9.3. International Conferences with peer review

1. Costa, E., Seixas, J. (2017). Ideal location for charging infrastructure for EV in Belo Horizonte. in Proceedings of the ITRN 2017, Irish Transport Research Network (ITRN) Conference, 28-29th August, University College Dublin, Ireland.
2. Costa, E., Seixas, J. (2017). Suitable location for charging stations for electric vehicles in Rio de Janeiro, Brazil. 14th IEEE Vehicular Power And Propulsion (VPPC), Belfort, France. December 11th-14th 2017
3. Gouveia, JP, Palma P, Seixas J, Simões S. (2017) Mapping Residential Thermal Comfort Gap at Very High Resolution Spatial Scale: Implications for energy Policy Design. 18-21 June. 40th International Association of Energy Economics International Conference, Meeting the Energy Demand of Emerging Economies. Implications for Energy and Environmental Markets, Singapore
4. Flores, J., J. **Seixas**, A. Mourão and M. Cavique (2016) The need to advance the energy performance buildings directive (EPBD) towards the EU Energy Roadmap for 2050, 41st International Association for Housing (IAHS) World Congress, Sustainability and Innovation for the Future, 13-16th September 2016, Albufeira, Algarve, Portugal.
5. Gouveia, J.P., **Seixas**, J. Mestre, A. (2016) Daily load profiles from smart meters - proxies of active behaviour for space heating and cooling. BEHAVE 4th European Conference on Behaviour and Energy Efficiency, 8-9 September. Coimbra. Portugal.
6. Gouveia, J.P., **Seixas**, J. (2016) Energy Use Equity: analysis from smart meters and surveys. 22nd International Sustainable Development Research Society conference, 13-15 July 2016. Lisbon. Portugal.
7. Costa, E., **Seixas**, J. (2016) Interplay between Ethanol and Electric Vehicles as Low Carbon Mobility Options for Passengers in the Municipality of São Paulo. 22nd International Sustainable Development Research Society conference, 13-15 July 2016. Lisbon. Portugal.
8. Gouveia, J.P., **Seixas**, J. (2016) Fuel Poverty and Fuel Obesity: what smart meters tell us. International Society for Ecological Economics conference, 26-29 June 2016. Washington. USA.
9. Gouveia, J.P., **Seixas**, J. Mestre, A. Miguel, L. (2016) Intertwining Sectoral Electricity Load Profiles at City Level. 39th International Association for Energy Economics Conference, 19-22 June 2016. Bergen. Norway.
10. Fortes, P., **Seixas**, J., Simões, S. (2016) Portugal as an electricity exporter country: implications for the national power system. EEM16. 13th International Conference on the European Energy Market. 6th-9th June. Porto Portugal. IEEE Conference Proceedings [forthcoming]
11. Simoes, S. J. Seixas (2016) Low carbon options for adapting heating and cooling of dwellings in 29 Portuguese municipalities. Adaptation Futures 2016. 4th International Climate Change Adaptation Conference. Rotterdam May 10-13. The Netherlands.
12. Gouveia, J.P., **Seixas**, J., Giannakidis, G. (2016). Smart City Energy Planning: Integrating Data and Tools. AW4City - International World Wide Web Conference 2016, April 11-15, 2016, Montréal, Québec, Canada. ACM 978-1-4503-4144-8/16/04. <http://dx.doi.org/10.1145/2872518.2888617>
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115. Câmara, A., P. Antunes, M. Pinheiro and **J. Seixas**, (1985) Global Modelling for Water Quality Planning, in PROCEEDINGS OF THE IFAC CONFERENCE ON SYSTEMS ANALYSIS APPLIED TO WATER AND RELATED LAND RESOURCES, Pergamon Press, London.

Posters:

1. Gouveia, J.P., P. Palma, S. Simoes, J. **Seixas** (2018) The heating and cooling gap in Southern European cities - a challenge for climate mitigation. *Cities and Climate Change Science Conference. IPCC*. March 5-7, Edmonton. Canadá.
2. Gregório, V., Simões, S., **Seixas**, J. (2015) Bld_Adapt: A toolkit for resilient cities, Assessing the households' thermal comfort vulnerability to climate change. World Symposium on Climate Change Adaptation (WSCCA), 2 - 4 September 2015, Manchester, UK
3. Ribeiro, P., **Seixas**, J., Ferrão, J. (2013) Mainstreaming climate change adaptation measures into local spatial planning. The case of Baixa Pombalina riverfront territory. Online Proceedings of the Resilient Cities 2013 Congress. 31 May - 2 June 2013. Bonn, Germany. (http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/Resilient_Cities_2013/RC2013__poster_PatriciaRibeiro_01.pdf)
4. Alves, M., J. **Seixas**, J. (2013) Impacto de Cenários de Alterações Climáticas nos Recursos Energéticos Renováveis: Sistema Elétrico Português até 2070. 10ª Conferência nacional do Ambiente. 6 a 8 de novembro de 2013. Universidade de Aveiro. Aveiro. Portugal.
5. Fortes, P., Pereira, R.; **Seixas**, J., van Regemorter, D. (2012). HYBTEP –Hybrid technological Economic Platform. Poster presented at MIT Energy Night Portugal; 1st June 2012. Pavilhão do Conhecimento – Ciência Viva at Parque das Nações, Lisbon, Portugal.
6. Gouveia, J.P.; Fortes, P.; **Seixas**, J. (2012). Forecasting energy services demand for Residential Buildings: The case of Portugal up to 2050. Poster presented at MIT Energy Night Portugal; 1st June 2012. Pavilhão do Conhecimento – Ciência Viva at Parque das Nações, Lisbon, Portugal.
7. **Seixas**, J.; Simões, S.; Kanudia, A.; Gargiulo, M.; Dias, P.; Gouveia, J. P.; Fortes, P. (2012). Modelling Competitiveness of Electric Vehicle: Impacts on the Power System and on CO2 Emission in the European Union. Poster presented at MIT Energy Night Portugal; 1st June 2012. Pavilhão do Conhecimento – Ciência Viva at Parque das Nações, Lisbon, Portugal.
8. **Seixas**, J.; Fortes, P.; Simões, S.; Gouveia, J. P.; Dias, L.; Santos, R. (2011). Hybrid approaches to assess economic, environmental and technological impacts of long term low carbon scenarios. Poster presented at Conferência Ciência e Tecnologia para a Sustentabilidade. 20th June 2011. Campus da Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Portugal.

9. **Seixas**, J.; Simões, S.; Fortes, P., Dias, L.; Gouveia, J. P. (2011). The medium to long-term role of renewables in climate mitigation: Portugal 2050. Poster presented at Conferência Ciência e Tecnologia para a Sustentabilidade. 20th June 2011. Campus da Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Portugal.
10. Benali A., Carvalho A., Nunes J.P., Santos A., **Seixas** J. (2010) Air surface temperature derived from MODIS LST data. Regional aspects over Portugal. RAQRS III: 3rd International Symposium on the Recent Advances in Quantitative Remote Sensing. 7 September – 1 October 2010. Valencia. Spain.

9.4. Other Publications

33. Fortes, P., S. Simões, F. Monteiro, J. **Seixas** (2017) Electricidade Renovável no Sistema Energético Português, 2015-2050. Estudo APREN. FCT NOVA. Caparica. Portugal.
32. **Seixas**, J., Fortes, P., Gouveia, J.P., Simoes, S.G., Pereira, A., Pereira, R. (2017). The Role of Electricity in the Decarbonization of the Portuguese Economy. Sciences and Technology College of NOVA University of Lisbon and College of William & Mary. Lisbon 2017. Available here: <https://www.edp.com/pt-pt/o-papel-da-eletricidade-na-descarbonizacao-da-economia>
31. Valentim, A., Bilo, N., Dias, L., Simões, S., **Seixas**, J., Gouveia, J.P. (2017) Mid-term Implementation Action Plan - Évora. (D6.3). INSMART Integrative Smart City Planning project (ENER/FP7/314164). January 2017. Available at: [www.insmartenergy.com]
30. Dias, L., J. Gouveia, J. **Seixas**, N. Bilo, A. Valentim (2015) Project InSMART: Report on the analysis of the city energy system – Évora. (ENER/FP7/314164) D-WP 4 – Deliverable D4.3. October 2015. Center for Environmental and Sustainability Research (CENSE) and Faculty of Science and Technology from the New University of Lisbon (FCT-UNL). Caparica, Portugal. 75pp.
29. **Seixas**, J., Fortes, P., Dias, L., Carneiro, J., Mesquita, P., Boavida, D, Aguiar, R., Marques, F., Fernandes, V., Helseth, J., Ciesielska, J., Whiriskey, K., (2015) CO2 CAPTURE AND STORAGE IN PORTUGAL: A BRIDGE TO A LOW CARBON ECONOMY. Final Publication. ISBN: 978-972-8893-36-1. Universidade Nova de Lisboa. Faculdade de Ciências e Tecnologia, Lisbon.
28. **Seixas**, J., Fortes, P. (2014) Annex III: Assessing the impact of CO2 tax in the energy system in Portugal, using the TIMES_PT model. Technical document to the Commission for the Green Tax Reform. July 2014. Center for Environmental and Sustainability Research (CENSE). FCT-UNL. Caparica. Lisbon. 38pp. [In Portuguese]
27. **Seixas**, J., Fortes, P., Dias, L., Gouveia, J., Ferreira, F., Gomes, P., Tente, H. (2014) PNAC 2020: Greenhouse gas emission scenarios and technological decarbonisation options for Portugal in 2020 and 2030. Center for Environmental and Sustainability Research (CENSE) and Faculty of Science and Technology from the New University of Lisbon (FCT-UNL). Caparica, Portugal. 123pp. [In Portuguese]
26. Gouveia, J., **Seixas**, J. (2014) Project InSMART: Report on the Current City analysis Status – Évora. (ENER/FP7/314164) D-WP 1 – Deliverable D1.3. January 2014. Center for Environmental and Sustainability Research (CENSE) and Faculty of Science and Technology from the New University of Lisbon (FCT-UNL). Caparica, Portugal. 55pp.
25. Broek, M., Boavida, D., Cabal, H., Carneiro, J., Fortes, P., Gouveia, J., Labriet, M., Lechón, Y., Martinez, R., Mesquita, P., Rimi, A., **Seixas**, J., Tosato, GC., Zarhloule, Y. (2013) Report with selection of most promising CCS infrastructure options. COMET Project D-WP 6 - Technical Note 6.4. Center for Environmental and Sustainability Research (CENSE) and Foundation of the Faculty of Science and Technology from the New University of Lisbon (FFCT). Caparica, Portugal. 133pp
24. **Seixas**, J., Fortes, P., Dias, L., Dinis, R., Alves, B., Gouveia, JP. Simões, S. (2012). National Low Carbon Roadmap: Portugal 2050 - greenhouse gas emissions modeling, energy and waste. Technical document for the Executive Committee of the Commission on Climate Change. Ministry of Environment. EValue, SA e FCT-UNL. Janeiro 2012. Lisbon, Portugal. 48pp. [In Portuguese]
23. Fortes, P.; **Seixas**, J.; Alvarenga, A.; Carvalho, P.; Lobo, A.; Rodrigues, S.; Rogado, C. (2012). Low Carbon scenarios for Portugal for the long-term. Presented at CLIMA 2012 - III Congresso Nacional sobre Alterações Climáticas. 1-2 Junho. Faculdade Ciências e Tecnologia, Universidade Nova de Lisboa, Caparica, Portugal. [In Portuguese]
22. Gouveia, J.P.; **Seixas**, J.; Labriet, M.; Fortes, P., Gargiulo, M. (2012). Constraints and Opportunities of Carbon Capture and Storage in the Iberian Peninsula. Presented at CLIMA 2012 - III Congresso Nacional

- sobre Alterações Climáticas. 1st and 2nd of June. Faculdade Ciências e Tecnologia, Universidade Nova de Lisboa, Monte da Caparica, Lisbon. [In Portuguese]
- 21 Cabal, H., Labriet, M., Lechón, Y., Fortes, P., Gouveia, J., **Seixas**, J., Kanudia, A., Gargiulo, M., Tosato, G. (2012) The TIMES-COMET Energy-Transport Technical-Economic Model: Purpose, Description, Functionalities, and Results. COMET – CO2PipeHaz - COCATE, Bridging the Gap in CCS Infrastructure: Results from European Projects. December 12. Lisbon. Portugal. 25 pp.
 - 20 Gouveia, J. P., Simões, S., Fortes, P., **Seixas**, J., Labriet, M., Tosato, G. (2012). Description of the Portuguese energy system and policies. COMET Project WP5 - Technical Note 5.2.2. Center for Environmental and Sustainability Research (CENSE) and Foundation of the Faculty of Science and Technology from the New University of Lisbon (FFCT). Caparica, Portugal.
 - 19 Gouveia, J. P., Simões, S., Fortes, P., **Seixas**, J., Gargiulo, M., Labriet, M., Tosato, G. (2011). Description of the Updated Times Portugal Model. WP5 - Technical Note 5.3.2, COMET. Center for Environmental and Sustainability Research (CENSE) and Foundation of the Faculty of Science and Technology from the New University of Lisbon (FFCT). Caparica, Portugal. 86 pp.
 - 18 **Seixas**, J., Fortes, P., Gouveia, J.P., Dias, L., Simões, S., Alves, B. (2011). Socioeconomic scenarios for 2050 - Working Document of the National Low Carbon Roadmap. Study for the Executive Committee of the Commission on Climate Change. Ministry of Environment. EValue e CENSE/FCT-UNL. Julho 2011. Lisbon, Portugal. 18pp. [In Portuguese]
 - 17 **Seixas**, J. (2011) Final report of MALVEO project (PTDC/CLI/67910/2006), Scientific Component. FCT-UNL/IHMT. Caparica. Portugal. 8 pp.
 - 16 Benali, B., N. Carvalhais, J. **Seixas** (2010) I - Data processing and analysis for carbon fluxes modeling in Guinea Bissau. CARBOVEG-GB Project: Quantification of stored carbon and the carbon sink capacity of forest vegetation in Guinea-Bissau. 31 May 2010. Center for Environmental and Sustainability Research (CENSE). FCT-UNL. Caparica. Portugal. 25 pp.
 - 15 Carvalhais, N., Benali, B., J. **Seixas** (2010) II - carbon fluxes modeling in Guinea Bissau. CARBOVEG-GB Project: Quantification of stored carbon and the carbon sink capacity of forest vegetation in Guinea-Bissau. 31 May 2010. Center for Environmental and Sustainability Research (CENSE). FCT-UNL. Caparica. Portugal. 32 pp.
 - 14 **Seixas**, J., Pisco, F. (2010). RoadMap Portugal 2050 – analysis of new energy technologies and scenarios of its impact on the national energy system. D1: International Framework of new energy technologies. Technical Document for the Innovation Support Fund, Ministry of Economy. EValue, SA. December 2010, pp. 1-261. Lisbon. Portugal. 261 pp. [In Portuguese]
 - 13 **Seixas**, J., Pisco, F. (2010). RoadMap Portugal 2050 – analysis of new energy technologies and scenarios of its impact on the national energy system. D2: R&D&D Nacional Potential in New Energy technologies in Portugal. Technical Document for the Innovation Support Fund, Ministry of Economy. EValue, SA. December 2010, pp. 1-67. Lisbon. Portugal. 67pp. [In Portuguese]
 - 12 **Seixas**, J., Simões, S., Fortes, P., Dias, L., Gouveia, J., Alves, B., Mauricio, B. (2010). RoadMap Portugal 2050 – analysis of new energy technologies and scenarios of its impact on the national energy system. D3: Assessment of the Competitiveness of New Energy Technologies. Technical Document for the Innovation Support Fund, Ministry of Economy. EValue, SA e CENSE-FCT-UNL. Dezembro 2010, pp. 1-88. Lisbon. Portugal. 88pp. [In Portuguese]
 - 11 **Seixas**, J., Pisco, F., Alves, B., Dinis, R., Real, R., Mauricio, B., Dias, L., Faria, P., Barroso, J., Cleto, J., Torres, P., Fortes, P., Simões, S., (2010) PTEN2020 - Projections of acidifying gas emissions and particulates for the period 2000-2020; Review of the Gothenburg Protocol and the National Emission Ceilings Directive. Portuguese Environmental Agency. 15 Jan 2010. EValue, SA e FCT-UNL. Lisbon, Portugal. 62 pp. [In Portuguese]
 - 10 Gouveia, J., Fortes, P., **Seixas**, J. (2009). Energy Demand for Portugal in 2030. Comparative study for the Portuguese Transmission Network Operator. FCT-UNL. 2009. Lisbon, Portugal. (Document not available for dissemination). Copyright REN. 155pp. [In Portuguese]
 - 9 **Seixas**, J., Simões, S., Cleto, J., Fortes, P., Barroso, E., Alves, B., Dinis, R., Pisco, P., Faria, P., Finote, S. (2008). Portugal Clima 2020 - Impact Assessment of the Energy-Climate targets of the European Commission to Portugal. Study for the Executive Committee of the Climate Change Commission. Portuguese Environmental Agency. EValue, SA e FCT-UNL. Nov 2008. Lisbon, Portugal. 101 pp. [In Portuguese]

- 8 **Seixas**, J., Simões, S., Cleto, J., Real, R., Torres, P., (2007) PTEN2010: Assessment of emissions of SO₂, NO_x, COVNM and NH₃ for the period 2000 a 2010, based on TIMES_PT model. Institute of Environment. FCT-UNL. Feb 2007. Lisbon, Portugal. 200 pp. [In Portuguese]
- 7 **Seixas**, Martins, A., Fernandes, M., Alves, B., Finote, S., Uva, J., Dinis, (2006) PNAC 2006: Portuguese Program on Climate Change. Institute of Environment. EValue, SA e FCT-UNL. Nov 2008. Lisbon, Portugal. 28 pp. [In Portuguese]
- 6 **Seixas**, J., Barroso, J., Alves, B., Diniz, R., Uva, J., Martinho, S., (2005) Monitoring System of Portuguese Program on Climate Change. Institute of Environment. EValue, SA e FCT-UNL. 29pp. [In Portuguese]
- 5 **Seixas**, J., Furtado, C., Martinho, S. (2004) PTEN: National Emission Ceilings Program: Review and Measures for the Emissions Reduction of Volatile Organic. Institute of Environment. FCT-UNL. Caparica. Portugal. [In Portuguese]
- 4 Nunes J.P., **Seixas** J. (2003) Impacts of extreme rainfall events on hydrological soil erosion patterns: application to a Mediterranean watershed. *World Resource Review* 15 (3): 336-351.
- 3 **Seixas**, J. Furtado, C., Moura, F., (2003) ELAC Almada: Local Strategy for Climate Change for the Municipality of Almada. Câmara Municipal de Almada. FCT-UNL. Caparica. Portugal. [First ever study of this kind for Portugal] [In Portuguese]
- 2 Martins, A., Fernandes, M., **Seixas**, J., Martinho, S., Moura, F. (2002) Portuguese Program on Climate Change. Institute of Environment. Mar 2002 ISBN 972-8419-59-7. 79pp. [First ever study of this kind for Portugal] [In Portuguese]
1. **Seixas**, J., Gois, V., Martinho, S., Moura, F., Barroso, J., Dinis, R. (1999) Estimations and projections of greenhouse gas emissions in Portugal 1990-2000. Ministry of Environment. FCT-UNL. Caparica. Portugal. [First ever study of this kind for Portugal] [In Portuguese]

9.5 Oral Communications by Invitation (*keynote speaker*)

1. 2018 **Seixas**, J. Agriculture challenges under a neutral carbon economy. Climate Change and Agriculture CONFEDERATION OF PORTUGUESE FARMERS. 27 feb. Lisboa. Portugal
2. 2017 **Seixas**, J., P. Fortes, S. Simões, J. Gouveia. Decarbonization Pathways and impacts in hte Portuguese energy matrix. Conference 'Energy Transition in the Iberia Peninsula', 14 dec. Associação Portuguesa de Economia da Energia. ISCTE. Instituto Universitário de Lisboa. Lisboa.
3. 2017 **Seixas**, J. Panelist on Building a professional social network. 8th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems (DoCEIS'17). FCT-NOVA. 5 May. Monte de Caparica.
4. 2017 **Seixas**, J. Towards a low carbon and circular economy. Spring School on Life Cycle of Materials and Project & Risk Management, KIC EIT Raw Materials labelled IDS--FunMat--INNO Doctoral Programme. FCT-NOVA. 24-28 April. Monte de Caparica.
5. 2017 **Seixas**, J. Panelist on Electric Mobility session. Desafios da Gestão Ativa da Procura de Energia: Eficiência e Resposta - 20 e 21 Abril. Universidade da beira Interior. Covilhã.
6. 2016 **Seixas**, J. Low-carbon Economy. 1st Workshop Co2 Sequestration and Utilization @ REQUIMTE. Faculdade de Ci-encias e Tecnologia. Campus Caparica.
7. 2016 **Seixas**, J. Pannelist on the Enviromental State Report 2015, Public Presentation of REA2015. Minsitry of Environemnt. June 3rd. Lisboa. Portugal.
8. 2016 **Seixas**, J. Decarbonization pathways for Portugal, after Paris. Conference on PORTUGAL 2030 – Energy transition agenda, Portuguese Association of Energy Economics and College of Economics of University of Porto. May 20th. Porto. Portugal.
9. 2015 **Seixas**, J. Cities 4.0 –Technologies and Planning for the citizens. International Conference Energy and Mobility for Smart Cities. 24-26 November. Cascais Portugal.
10. 2015 **Seixas**, J. Climate Adaptation in Households. World Day of Urbanism. CCDR-LVT. November 10th. Lisbon. Portugal
11. 2015 **Seixas**, J. Challenges for the National Statistics under the Sustainable Development Goals: Local and trans-national scales. World Day of Statistics. National Institute of Statistics. Oct 20th, Lisbon. Portugal.
12. 2015 **Seixas**, J. Empowering people for the smart energy system of the future. Panellist for S3C final conference. Sep. 24 2015. Berlin. Germany.

13. 2015. **Seixas**, J. Wrap-up 1st Day. I Conference on Energy for Development CPLP. June 25th Estoril. Portugal.
14. 2015. **Seixas**, J. Are hybrid models well equipped to assess resilience to external shocks? The case of energy and climate. INFER Workshop on Modelling Economic Resilience to External Shocks, June 1st, 2015, Business and Economics Department, University of the Azores. Ponta Delgada.
15. 2015. **Seixas**, J. Energy systems and the planetary boundaries: extending the capabilities of Integrated Assessment Models. EEM15. 12th International Conference on the European Energy Market. 21th May. Lisbon Portugal.
16. 2015 **Seixas**, J. Policies for the green economy and the impact on the relationship on business and environment. National Meeting of Economics and Management Students, XV Edition, Mar 6th. University of Aveiro. Aveiro. Portugal.
17. 2014 **Seixas**, J., Fortes, P. Assessment of the effects of a new carbon tax in Portugal: TIMES_PT model. 1st Meeting on Energy and Environment Economics (ME3). University de Aveiro. Sep. 19th. Aveiro. Portugal
18. 2014 **Seixas**, J., Climate Change: state-of-the-art (IPCC, 2014). Commission for the Green Taxation Reform, Feb 19th. Ministry of Environment, Spatial Planning and Energy. Lisbon. Portugal.
19. 2013 **Seixas**, J., Climate change scenarios and the role of CCS technology. CO2 Storage in the Clean Development Mechanism – Opportunities for the CPLP, CPLP. Sep 19th, Lisbon, Portugal. (http://www.arco2cplp.uevora.pt/?page_id=21)
20. 2013 **Seixas**, J. Planet Earth is Blue and there's nothing I can do. TEDxFACTUNL. October, 4th. Campus FCT-unl. Monte de Caparica. Portugal.
21. 2012 **Seixas**, J., Opportunities and barriers to energy transition in Portugal. Fundação Friedrich Ebert. 3rd Dec. Lisbon. (<http://www.feslisbon.org/conteudo.php?AHsKYwpo=AGoKYQp7BmsBcVZqUmJUa1ViDGdVW1dIATQEdVUT1t7XTJfPA1g&AGIKZgtela9Xr1tela9Xr1=AD0KNGtela9Xr1tela9Xr1&AGcKawphBmUBclZi=>)
22. 2012 **Seixas**, J., Renewables and Energy Efficiency in the Reduction of Carbon Footprints at the Country Level and at the Company Level, A BRIGHT OR UNCERTAIN FUTURE? INVITED SPEAKER KORANET EU-Korea conference on Green Technologies 7-8th Nov, Espoo, Finland. (http://conference.erve.vtt.fi/koranet2012/pdf/koranet2012_booklet.pdf)
23. 2012 **Seixas**, J., P. Fortes, L. Dias, B. Alves, S. Simões, J. Gouveia, National Low Carbon Roadmap: Industry and Energy, Public Presentation of RNBC2050. Oct 31st. Associação Industrial Portuguesa. Lisbon, Portugal.
24. 2011 **Seixas**, J., Future Energy Consumption Patterns. Seminar on Innovation and Sustainable Development. Instituto Superior Técnico. Oct, 13rd. Lisbon. Portugal.
25. 2011 **Seixas**, J., invited participation in the workshop of the advisory board of the project OFFSHORE - Methodologies for Design, Monitor and Update Strategic Roadmaps: Application to Marine Energies Development in Portugal. Set 23rd. IDMEC/IST. Lisbon.
26. 2011 **Seixas**, J., 2nd Conference: The evolution of Oil Price. Lisbon, April 14th. Ordem dos Engenheiros. Lisbon. Portugal.
27. 2011 **Seixas**, J., Analysis of new national energy technologies and scenarios of its impact on the national energy system. MIT-Portugal Program. Mar 21st. Tagus Park (invitation by Prof. António Sarmento). Porto Salvo. Portugal.
28. 2011 **Seixas**, J., RoadMap for New technologies in Portugal: Portugal 2010-2050. Public Presentation of the Project. Jan 28th, LNEG. Alfragide, Lisbon. Portugal.
29. 2010 **Seixas**, J., S. Simões and P. Fortes Energy-Environment Modeling of the Portuguese energy system 2000-2020: TIMES_PT, 1st Workshop on Modeling and Planning Sustainable Energy Systems Lisbon, Jan 8th, 2010. MIT-Portugal Program. Instituto Superior Técnico-UTL. Lisbon. Portugal.
30. 2009 **Seixas**, J., Innovation in Energy and Climate Change. Portuguese Association of Environmental Engineers. Ordem dos Engenheiros. May 4th. Lisbon. Portugal.
31. 2009 **Seixas**, J., Sustainable energy: contributions from climate change science and policy. Fundação Friedrich Ebert and Res Publica Foundation. April 22th. Lisbon. Portugal.
32. 2009 **Seixas**, J., The Science of Climate Change. Course for journalists credited for the UNFCCC COP15 at Copenhagen. Fundação Calouste Gulbenkian. Nov 16th. Lisbon. Portugal.

33. 2008 **Seixas**, J., Storms, auctions and trends. Conferences on Energy and Geo-strategy. Fundação EDP. Nov 17th. Lisbon. Portugal.
34. 2008 **Seixas**, J., Adaptation and Business. Business Council for Sustainable Development Portugal. Boards of Directors Meeting. Oct 21th. Lisbon. Portugal.
35. 2007, **Seixas**, J., Opening Speech at III Conferência E.Value – Low Carbon Lifestyle; E.Value, Fundação EDP, CGD, BP, Brandia Central. Nov 14th, Museu da Eletricidade, Lisbon, Portugal.
36. 2007 **Seixas**, J., Wood products and carbon economy. SONAE-Industry, Annual Meeting of managers of the Iberian peninsula. Dec 19th. Viseu. Portugal.
37. 2007 **Seixas**, J., The Portuguese forest, the Kyoto Protocol and expectations post-Kyoto. Conference on The Forest Value on the Carbon Market, Confederação dos Agricultores de Portugal (CAP), Portucel/Soporcel Group, Evalue, Mar 28th, Culturgest, Lisbon. Portugal.
38. 2007 Simões, S., Cleto, J., Fortes, P., **Seixas**, J. Opportunities for the reduction of greenhouse gas emissions in Portugal in 2020. Seminar on the Kyoto Protocol – Management Challenges. Nov 14th. Municipality of Seixal. Seixal. Portugal.
39. 2007 **Seixas**, J., Simões, S., Cleto, J.. The role of energy efficiency in the decarbonization of the economies. Dec 5th. 11^a Conference COGEN Portugal. Energy Efficiency and Combined Heat and Power. Fundação Cupertino de Miranda. Porto. Portugal.
40. 2007 **Seixas**, J., Simões, S., Cleto, J. TIMES_PT - The TIMES model applied to the Portuguese energy system. June 6th. Workshop on Methodologies and Assessment of Economic-Environment Interactions. Department of Prospective and Planning (DPP). Ministry of Environment. Lisbon. Portugal.
41. 2006, **Seixas**, J., Opening Speech at II Conferência E.Value – Environment and Competitiveness (with Prof. Michael Porter as keynote); E.Value, Galp, EDP, Semapa, Somague. Jan 25th, Pestana Palace Hotel, Lisbon, Portugal.
42. 2006, **Seixas**, J., Climate Change and competitiveness of the aviation sector, E.Value, Instituto Nacional de Aviação Civil. Palácio Conde de Penafiel. Lisbon. Portugal
43. 2006 **Seixas**, J., Contributions of biofuels to the compliance of Kyoto Protocol. V Corn Congress, Feb 13th. Lisbon. Portugal.
44. 2006 **Seixas**, J., Carbon Markets, Seminar on Energy and Sustainability, Sep 27-30. Casa de Mateus, Vila Real. Portugal.
45. 2006 **Seixas**, J., Carbon Markets, Energy Forum, Nov 21-24, Lisbon. Portugal
46. 2006 **Seixas**, J., Biofuels and its contribution for the Kyoto Protocol. Annual Meeting of the Portuguese Agriculture. CAP, June 12th, Santarém. Portugal.
47. 2006 **Seixas**, J., Exemplary Responsibility: policy goals and the contribution of brands. Cities and Climate Change Conference, Lisbon eNOVA Energy Agency, June 8th, Forum Picoas, Lisbon. Portugal.
48. 2005 **Seixas**, J., Energy and Climate, Luso American Foundation, Summer Course, July 19th. Lisbon. Portugal.
49. 2004 **Seixas**, J., Renewables and Climate Change, Seminar on Renewables ENER04, May 6th, Figueira da Foz. Portugal.
50. 2004 **Seixas**, J., The role of forests in the carbon economy, UMAC, Dec 14th, Vendas Novas. Portugal.
51. 2004, **Seixas**, J., Opening Speech at I Conferência E.Value – Environmental Assets: New Competences and Business, E.Value, CGD, Secil, Somague. 7 Outubro, Culturgest, Lisbon, Portugal.
52. 2004 **Seixas**, J., Emission Trading Scheme and How companies should be prepared, Annual Meeting of Managers of CP-Caminhos de Ferro Portugueses, Feb 27th, Lisbon. Portugal.
53. 2004 **Seixas**, J., Climate Change and carbon Economy. Annual Meeting of Managers of Grupo SEMAPA, Feb 19th, Lisbon. Portugal.
54. 2003 **Seixas**, J., European Policy Framework for the carbon Economy, Seminar on Environmental Permits and Emissions Trading, APICER & CTCV, Nov 20th, Coimbra. Portugal.
55. 2003 **Seixas**, J., Portuguese Program on Climate Change: relationship with the European Emissions Trading Scheme, Annual Conference of the Portuguese Energy Association. July 7th, Lisbon. Portugal
56. 2003 **Seixas**, J., Forestry Sustainable Management and Carbon sequestration – thoughts for Portugal, International Congress in Forestry Protection, Jan 31st – Feb 1st, Mirandela. Portugal.
57. 2003 **Seixas**, J., Applications of the Johannesburg Summit Conclusions in Portugal, Ordem dos Engenheiros, Feb 20th, Lisbon. Portugal.

58. 2002 **Seixas**, J., Institutional framework for the Energy Efficiency and Endogenous Energy, Ecoenergia: International Conference on Energy Efficiency and Endogenous Energy, Oct 28-30, Lisbon. Portugal.
59. 2002 **Seixas**, J., Public Policies and Climate Change, Conference Água & Ambiente, May 21st, Lisbon. Portugal.
60. 2002 **Seixas**, J., Climate Change: A Global Problem with Local Solutions, Seminar on Municipal Strategies and Policies for Energy and Climate Change, June 28th, Municipality of Almada, Almada. Portugal.
61. 2002 **Seixas**, J., S. Martinho, Policies, Measures and Instruments in the Portuguese Programme on Climate Change for the Forestry Industries, 4^a AIMMP Conference (Portuguese Association of Industries of Wood and Furniture) Feb 14th, Porto. Portugal
62. 2002 **Seixas**, J., Climate Change. What about Portugal? Instituto Superior Técnico- Technical University of Lisbon, May 7th, Lisbon. Portugal.
63. 2002 **Seixas**, J., Portugal and the Kyoto Protocol: Elements for a Mitigation Strategy, VI National Congress of Environmental Engeneering, Nov 8-10, Lisbon. Portugal.
64. 2002 **Seixas**, J., Remote Sensing: the challenge to work with multiple scales, Geopoint Conference, June, Instituto Superior Técnico- Technical University of Lisbon, Lisbon. Portugal.
65. 2000 **Seixas**, J., S. Martinho and P. Barata, Portuguese Policy: Departure and Expectations for the Kyoto Commitments, Climate Change and the Kyoto Protocol, Climate Change Conference and the Kyoto Protocol, Nov 15-16, Évora, Portugal.
66. 2000 **Seixas**, J., Kyoto Protocol: implications for Portugal, IGBP Seminar 2000, Global Change: Biophysical and Social-economical impact, 30 Oct-1 Nov, University of Aveiro. Aveiro. Portugal.

10. STUDIES UNDER CONTRACT

The group I've coordinated in the last 15 years are frequently invited by national stakeholders, mainly from the energy and climate public policies, to develop technical studies to support decision making in the areas of climate mitigation and sustainable energy. The studies have been always developed with the stakeholders engagement and participation, including from the public bodies and the private companies, based on a science based dialogue and on a transparency framework. Moreover, I used to be invited by public policy bodies to promote technical and scientific discussions, mainly on the low carbon futures for Portugal. The studies listed bellow were coordinated by myself, either as a Professor at FCT-UNL and as founder partner of EValue SA (until 2012).

1. 2017-19 **Portuguese Roadmap for a Neutral Carbon Economy**. Funded by the Environmental Fund. Ministry of Environment. Partners: CENSE- FCT NOVA, AGRO.GES, Lasting Values, J. Walter Thompson. [FCT NOVA. Caparica. Portugal.]
2. 2017 **LCOE for Portugal**, Funded by the Portuguese Association of Renewables - APREN [FCT NOVA. Caparica. Portugal.]
3. 2016 **The role of Electricity on the Decarbonization of the Portuguese Economy: technological and macro-economic assessment**. Funded by EDP-Energias de Portugal. [FCT-UNL. Caparica. Portugal.]
4. 2014 **Assessment of the impact of CO2 tax in the Portuguese energy system, using the TIMES_PT model**. Comission of the Green Fiscal Reform. Ministry of Environment. Lisbon. [FCT-UNL. Caparica. Portugal.]
5. 2014 **CCS Roadmap for Portugal** GCCSI. Paris|Australia. [FCT-UNL. Caparica. Portugal.]
6. 2014 **PNAC 2020: National Program on Climate Change**. Portuguese Environmental Agency. Amadora. Portugal. [LastingValues, Lda. Lisbon. Portugal].

7. 2012 **Portuguese Low-Carbon Roadmap 2050**. Portuguese Environmental Agency. Amadora. Portugal. [EValue, SA. Lisbon. Portugal.]
8. 2011 – 2013 **Support to the National Energy Agency on its participation in the ODYSSEEMURE 2012**, AGREEMENT NUMBER – IEE/12/710/SI2.644744. [FCT-UNL. Caparica. Portugal.]
9. 2010 **RoadMap for New Energy Technologies: Portugal 2010-2050**. Policy support project aiming at assessing the new national energy technologies and its potential long-term impact in the Portuguese Energy System. Fundo de Apoio à Inovação. Ministry of Economy. [EValue, SA. Lisbon. Portugal.]
10. 2010 **PTEN2020 Scenarios of air pollutants emissions (NOx, SO2, VOC, NH3, Particulate) for 2020, under the Revision of the EU Directive on Emission Ceilings and Gothenburg Protocol**. Portuguese Environmental Agency. Amadora. Portugal. [EValue, SA. Lisbon. Portugal.]
11. 2009 **End-use energy demand scenarios for Portugal for 2030**. National Transmission Network Operator, REN SGPS, SA. Lisbon. Portugal. [FCT-UNL. Caparica. Portugal.]
12. 2009 **Comply with Kyoto** (<http://www.cumprirquioto.pt/>) [Internet based Information System to monitor policies and measures to comply with the Kyoto protocol, under the Portuguese Climate Change Program]. Climate Change Commission, Ministry of Environment.. EValue, Lda. Lisbon. Portugal
13. 2009 **Assessment of GHG emissions and reduction plan for the Port of Lisbon Activities**. Administração do Porto de Lisboa. [EValue, SA. Lisbon. Portugal.]
14. 2009 **Clima2020**: Technical Evaluation of Policies and Measures for a Post-Kyoto mitigation under the Energy-Climate package proposed by the European Commission. Ministry of Environment. [EValue, SA. Lisbon. Portugal.]
15. 2008 **GHG emissions inventory of the activities of the municipality of Oeiras**. Oeingerge. [EValue, SA. Lisbon. Portugal.]
16. 2008 **Sustainability and Space Activities, Industry and ESA**: Improved Sustainability of ESA Operations. Task 1. Analyse ESA's environmental impact – ESAC site. European Space Agency. [EValue, SA. Lisbon. Portugal.]
17. 2006 **PNAC2006: National Program on Climate Change** [Revision of the projections of greenhouse gas emissions and assessment of mitigation measures, over PNAC2004]. Ministry of Environment. Lisbon. Portugal. [EValue, SA. Lisbon. Portugal.]
18. 2004 **Methodology and indicators to monitor the implementation and effectiveness of mitigation measures of the National Programme for Climate Change 2004 (PNAC2004)**. Institute of Environment. [EValue, SA. Lisbon. Portugal.]
19. 2004 **Exposure to Carbon of the Economic Activity Sectors in Portugal**. Somague Ambiente. [EValue, SA. Lisbon. Portugal.]
20. 2004 **PTEN2020: National Program of Emissions Ceilings** [Revision of the projections of acidifying emissions and mitigation measures for the VOC emissions in Portugal], Institute of Environment. [FCT-UNL. Caparica. Portugal.]
21. 2003/04 **Clean Air For Europe**: Support to the Bilateral Meetings between Portugal and IASA/CE under the Directive Emissions Ceilings and the Gotenburgh Protocol; Institute of Environment. [FCT-UNL. Caparica. Portugal.]
22. 2003 **PNAC2004 National Program on Climate Change**, [projection of greenhouse gas emissions for the Portuguese economy, and definition and evaluation of mitigation measures]. Institute of Environment. [FCT-UNL. Caparica. Portugal.]

23. 2003 **Local action Program for the mitigation of greenhouse gases: emissions estimations, and projection, and local mitigation measures.** [Energy sources and emissions, projection estimates, and local mitigation measures]. Municipality of Almada. [FCT-UNL. Caparica. Portugal.]
24. 2002 **PTEN2020: National Program of Emissions Ceilings** [Projections of acidifying emissions and assessment of mitigation measures]. Institute of Environment. FCT-UNL. Caparica. Portugal.
25. 2000 **Technical Adviser of the Ministry of Environment during the Portuguese Presidency of the European Council;** Expert on (1) Policies and Measures for Climate Mitigation, e (2) Art's 5, 7 and 8 of the Kyoto Protocol. Institute of Environment. [FCT-UNL. Caparica. Portugal.]
26. 1999 **Emissions of greenhouse gases in Portugal: assessment and projections.** Ministry of Environment. [FCT-UNL. Caparica. Portugal.]
27. 1999 **Impact Assessment in the 4th FWP, The Design & Implementation Phase of the Center Earth Observation Programme,** 1999, EC, Joint Research Centre, Space Applications Institute. [FCT-UNL. Caparica. Portugal.]

11. ENTREPERNEUSHIP

The Kyoto Protocol, signed in 1997, limited the emissions of greenhouse effect in the Annex B countries (where Portugal and the European Union were included) to control climate change. New skills on emissions analytics and economic analysis needed to be developed in the Portuguese market and in the public policy bodies. As such, I have been involved in several market initiatives to leverage the carbon market focused on the national arena, and taking the approach of a close university-business learning.

- 2003 Course on CARBON ECONOMY FOR COMPANIES Nov 10-15, InfoNOVA; Institute of Environment, EDP, Associação Industrial Portuguesa, Grupo Portucel/Soporcel, Jornal de Negócios. First course of this kind in Portugal for top managers of Portuguese companies.
- 2004 Founding Partner of E.Value S.A., a consultancy company on studies and projects on environment and economy, focusing on carbon economy and sustainable energy. Under E.Value, several projects and partnerships have been developed to expand research carry on at CENSE research center.
- Out 2003- Nov 04 J. Seixas wrote monthly on Carbon Economy to the Água& Ambiente Journal.
- 2004 I Conference E.Value – ENVIRONMENTAL ASSETS: NEW COMPETENCES AND NEW BUSINESSES (keynote: Abyd Karmali, Vice-president of ICF Consulting), E.Value, CGD, Secil, Somague. 7 Oct 7th, Culturgest, Lisbon.
- 2006 II Conference E.Value – ENVIRONMENT AND COMPETITIVENESS (keynote: Prof. Michael Porter, Harvard Business School); E.Value, Galp, EDP, Semapa, Somague. Jan 25th, Pestana Palace Hotel. Lisbon.
- 2007 III Conference E.Value – Low Carbon Lifestyle (keynote: Jean Baptiste Renard, BP Vice-president Europe and Southern Africa); E.Value, Fundação EDP, CGD, BP, Brandia Central. Nov 14th, Museu da Eletricidade, Lisbon.
- 2004-2009 J. Seixas leads several projects and initiatives to settle E.Value in the market. During this period, J. Seixas stated on a non-exclusive regime at FCT-UNL, although assuring all her academic responsibilities.
- 2012 - Founding Partner of LastingValues Lda [consultancy company on Green Economy]

12. OTHERS

12.1 Representing Portugal at the European Union

2004 – 2007 J. Seixas was the Portuguese delegate to GMES (Global Monitoring for Environment and Security) Advisory Council in Brussels. She contributed to GMES services (scope, data policy, governance and financing), supported on GMES_PT community, an initiative she promoted within the Portuguese academia and industry bodies and still active, aiming to achieve national objectives in EU GMES projects and network. GMES is named currently COPERNICUS. <http://www.copernicus.eu/>.

12.2 Prizes

2007 As a scientist collaborator of IPCC, she received a recognition under The Nobel Peace Prize from The Nobel Foundation.

1996 Scholarship to participate in the GISDATA Summer Institute. European Science Foundation/National Science Foundation.

12.3 Member of evaluation juries

2009 Member of jury on projects evaluation “Integrated Program for Eco- neighbourhoods Promotion”, Specific objectives of Priority Axis II - Territorial Sustainability of the Lisbon Regional Operational Programme. CCDR-LVT. Lisbon.

2011 Member of the Individual Scholarships Evaluation Board (PhD and post-PhD). PORTUGUESE SCIENCE AND TECHNOLOGY FOUNDATION. Ministry of Science. Lisbon.

2012 Member of the Individual Scholarships Evaluation Board (PhD and post-PhD). PORTUGUESE SCIENCE AND TECHNOLOGY FOUNDATION. Ministry of Science. Lisbon.

2012 Member of the jury of research and technology projects evaluation with interest for the Azores Sustainable Development (INCITA). DIRECÇÃO REGIONAL DA CIÊNCIA, TECNOLOGIA E COMUNICAÇÕES. Região Autónoma dos Açores. Portugal.

2013 Member of the national jury of the contest *The World You Like Challenge* (pan-EU competition launched in February 2013 which aims to promote low-carbon initiatives taking place across the European Union). EUROPEAN COMMISSION. Brussels. Setp 2013.

12.4 Member of professional associations

Associated member (19868) of the International Association of Energy Economics (IAEE).

Founder Member of the Portuguese Association of Energy Economics (APEEN). Member of the Supervisory Board.