

**c v n** CURRÍCULUM VITAE NORMALIZADO



**Sonia Jerez Rodríguez**

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I currently enjoy a Ramón y Cajal fellowship at the University of Murcia. My day-to-day focuses on the success of the two R&D projects funded in national competitive calls in which I act as PI (OPEN and ONFIRE), as well as on their continuity and impact for further proposals, supervising one Phd student and two postdocs, and participating in teaching activities.

The bulk of my research develops in the fields of regional climate modeling (with one paper in Nat. Commun. as 1st author) and its application for renewable energy resources assessments: variability, complementarity and vulnerability to climate change (with another paper in Nat. Commun. as 1st author), being this latter the line that I lead within my host group (besides OPEN, I have formerly led two other R&D projects on that topic, CLIMAX and EASE), although I also collaborate in other works. In particular, in the last years, the study of links between climate and wildfires has become one of my main scientific interests (with two papers in Nat. Commun. and one in PNAS as co-author).

I am lucky, I was at the correct space-time coordinates many times and I did the trip on giants' shoulders.

After my BSc in Physics (UCM, 2006) and a MSc on computational scientific tools (UMU, 2008), I formed as climate modeler during my PhD at the UMU under the supervision of J. P. Montávez (completed in 2011, awarded with European Mention and Summa Cum Laude) and several training and research stays at the ECMWF, the HZG and the Max Planck Institute of Meteorology. This ability served me to get involved in the European branch of the WRCP-sponsored CORDEX initiative and in a range of cross-disciplinary research works (and >20 R&D projects and contracts) on natural hazards, geomorphology, paleoclimatology, air quality and other topics with links to climate variability.

In 2011, after my PhD, I moved to the IDL (Portugal) to work with R. M. Trigo, where I led research on large-scale climatic drivers and got involved in Portuguese national projects. In 2013 I moved to the LSCE (France) to work with R. Vautard, where I led the development of the CLIMIX model, a tool to evaluate climate change impacts on the energy mix, and, thanks to that, I got involved in the benchmark ISIMIP and FP7-funded IMAPCT2C projects.

In 2014 I obtained a 2-year "Doctors recruitment" competitive contract granted by the UMU (I ranked the 1st in the call, as I did again in 2018 when I obtained a 5-year grant in a " Young research leaders" call by the UMU) and returned to the UMU, where I have been working since



then with three short interruptions: a maternity leave in 2016, a frustrated attempt in 2017 to move back to the IDL to lead a 5-year project funded by a prestigious Portuguese programme (regretfully, I had to resign this opportunity soon after my incorporation for personal reasons), and a 8-month period as Profesora Ayudante Doctora at the UPCT (I left this position when I obtained the Ramón y Cajal grant in 2021).

Since my return to the UMU in 2014, I have continued the fruitful and fluent collaborations with my former IDL and LSCE groups and promoted new ones, e.g. with the BSC Earth System Services group, where I had an invited postdoctoral research stay in 2015 funded by the Severo Ochoa mobility programme, the GOTA group of the ULL, and the Earth System & Global Change Lab of the SUSTech at the international level (which resulted in several joint publications, one in Nat. Water), among others. I have co-authorships with more than 200 scientists from around the world.

My scientific production in Scopus comprises 59 documents (with a 75% of international collaboration, 83% of them in top citation percentiles and an overall Field-Weighted Citation Impact of 2.04), 35 in Q1-ranked journals, 4 out of which in Nat. Commun. (two as 1st author), one included in the IPCC report on impacts at 1.5°C warming (for which I also acted as referee, as I do for >20 ISI journals, including Nature), one selected by the Climate Innovation Window of the EU BRIGAD project, and one among the most read (Top 50) in Nat. Commun. from across the Earth and Planetary Sciences in its publication year. To disseminate and discuss my work, I regularly attend international conferences, with 35 contributions as 1st and presenting author.

In parallel, I collaborate in official teaching (600 accumulated hours), supervised one PhD Thesis and several BSc and MSc projects, and evaluated PhD and MSc theses. I was also member of the CLIVAR España committee from 2021 to 2023, participated in the organizing committees of three conferences, collaborated as Guest Editor of scientific journals on three occasions, and acted as referee for both the Andalusian and the Spanish National Research Agency, and for the ETH Zurich Postdoctoral Fellowship Program.

Finally, I was accredited with the I3 recognition in 2020, and as Profesora Titular de Universidad in 2023 by the ANECA.



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Source: Web of Science.

Publications: 55.

H-index: 28.

Times Cited: 2601 total (average per item: 47), 2415 without self-citations.

Citing Articles: 1922 total, 1877 without self-citations.

Overall citation percentile median: 72nd.

Author position: 29% first, 2% last, 24% corresponding.



## Sonia Jerez Rodríguez

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Name: **Sonia**  
ORCID: **0000-0002-2153-1658**  
ScopusID: **35177669200**  
ResearcherID: **A-7420-2013**  
Date of birth: **10/11/1982**  
Gender: **Female**  
Nationality: **Spain**  
Land line phone: **(34) 868888435**  
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### Current professional situation

**Employing entity:** Univerisidad de Murcia

**Professional category:** Ramón y Cajal fellow

**City employing entity:** Murcia, Spain

**Start date:** 01/01/2022

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Funded by the Ramón y Cajal programme of the Spanish Ministry of Science and Technology, I develop my research in the fields of climate-driven fires and climate analysis of variable renewables as PI of two R&D projects (ONFIRE and OPEN) funded in national competitive calls. I also take part in teaching and supervising activities, including one PhD student and two postdocs.

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Murcia	Postdoctoral researcher	01/10/2021
2	Universidad Politécnica de Cartagena	Profesora Ayudante Doctora (Assistant Professor)	10/02/2021
3	Universidad de Murcia	Postdoctoral researcher	13/07/2018
4	Universidad de Murcia	Postdoctoral researcher	01/07/2017
5	Fundação da Faculdade de Ciências da Universidade de Lisboa (FFCUL)	Postdoctoral researcher	01/01/2017
6	Universidad de Murcia	Postdoctoral researcher	18/01/2016
7	Universidad de Murcia	Postdoctoral researcher	01/01/2014
8	Commissariat à l'énergie atomique et aux énergies alternatives (CEA)	Postdoctoral researcher	17/06/2013
9	Fundação da Faculdade de Ciências da Universidade de Lisboa (FFCUL)	Postdoctoral researcher	01/09/2011
10	Universidad de Murcia	Predocctoral researcher	15/09/2009
11	Universidad de Murcia	Associate profesor	23/10/2009



	Employing entity	Professional category	Start date
12	Fundación Instituto Euromediterráneo del Agua (F-IEA)	Predoctoral researcher	15/06/2007

- 1** **Employing entity:** Universidad de Murcia  
**Department:** Department of Physics  
**City employing entity:** Murcia, Spain  
**Professional category:** Postdoctoral researcher  
**Start-End date:** 01/10/2021 - 31/12/2021      **Duration:** 3 months  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Performed tasks:** I reincorporated to my previous position and tasks in the UMU (funded by a 5-year competitive contract) after a short period in the UPCT as Assistant Professor.
- 2** **Employing entity:** Universidad Politécnica de Cartagena  
**Department:** Department of Physics  
**City employing entity:** Cartagena, Spain  
**Professional category:** Profesora Ayudante Doctora (Assistant Professor)  
**Start-End date:** 10/02/2021 - 30/09/2021      **Duration:** 8 months  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Performed tasks:** In this short period I was overloaded with teaching activities and responsibilities.
- 3** **Employing entity:** Universidad de Murcia  
**Department:** Department of Physics  
**City employing entity:** Murcia, Spain  
**Professional category:** Postdoctoral researcher  
**Start-End date:** 13/07/2018 - 09/02/2021      **Duration:** 2 years - 6 months  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Performed tasks:** Funded by a 5-year competitive contract by the UMU, my research developed in the frame of the two R&D projects which I led as PI (CLIMAX and EASE) with the goal of identifying and exploiting solar and wind power spatio-temporal complementarities, resilient to climate change and useful to guarantee a stable, demand-driven energy supply.
- 4** **Employing entity:** Universidad de Murcia  
**Department:** Department of Physics  
**City employing entity:** Murcia, Spain  
**Professional category:** Postdoctoral researcher  
**Start-End date:** 01/07/2017 - 12/07/2018      **Duration:** 1 year  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Part time  
**Performed tasks:** Hired by the REPAIR project again, I continued my research on the effect of aerosols-radiation-clouds interactions on the modeled climate, with particular attention to the simulation of the variable renewable resources.
- 5** **Employing entity:** Fundação da Faculdade de Ciências da Universidade de Lisboa (FFCUL)  
**Department:** Instituto Dom Luiz (IDL)  
**City employing entity:** Lisboa, Portugal  
**Professional category:** Postdoctoral researcher  
**Start-End date:** 01/01/2017 - 30/06/2017      **Duration:** 6 months

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Launch of the NEXT project funded by the FCT Investigator programme, as PI, regrettably interrupted (resigned) for personal reasons.

**6** **Employing entity:** Universidad de Murcia

**Department:** Department of Physics

**City employing entity:** Murcia, Spain

**Professional category:** Postdoctoral researcher

**Start-End date:** 18/01/2016 - 31/12/2016

**Duration:** 11 months - 14 days

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Hired by the REPAIR project, and in the frame of the EURO-CORDEX initiative, I focused my research on the modeling and effect of aerosols-radiation-clouds interactions. In this period, my professional activity was interrupted on maternity grounds from 04/2016 to 11/2016.

**7** **Employing entity:** Universidad de Murcia

**Department:** Department of Physics

**City employing entity:** Murcia, Spain

**Professional category:** Postdoctoral researcher

**Start-End date:** 01/01/2014 - 31/12/2015

**Duration:** 2 years

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Funded by a 2-year competitive contract by the UMU, I led research on climate change impacts on renewable energies, in close collaboration with my former IDL and LSCE groups. I also participated in the Portuguese QSECA project and performed an invited post-doctoral research stay at the Earth System Services group (BSC).

**8** **Employing entity:** Commissariat à l'énergie atomique et aux énergies alternatives (CEA)

**Department:** Laboratoire des Sciences du Climat et de l'Environnement (LSCE)

**City employing entity:** Gif-sur-Yvette, Île de France, France

**Professional category:** Postdoctoral researcher

**Start-End date:** 17/06/2013 - 31/12/2013

**Duration:** 6 months - 13 days

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Development of a modelling tool (CLIMIX) to assess climate change impacts on the energy mix (hired by the homonym project) and application of this tool in the frame of the FP7-funded IMPACT2C project and the international ISI-MIP initiative as part of the Energy Supply and Demand group.

**9** **Employing entity:** Fundação da Faculdade de Ciências da Universidade de Lisboa (FFCUL)

**Department:** Instituto Dom Luiz (IDL)

**City employing entity:** Lisboa, Portugal

**Professional category:** Postdoctoral researcher

**Start-End date:** 01/09/2011 - 16/06/2013

**Duration:** 1 year - 9 months - 16 days

**Type of contract:** Temporary

**Dedication regime:** Full time

**Performed tasks:** Hired by the ENAC project, I focused my work on the impact of large-scale modes of climatic variability on the European climate at local scale, paying particular attention to renewable energy resources.



- 10** **Employing entity:** Universidad de Murcia  
**Department:** Department of Physics  
**City employing entity:** Murcia, Spain  
**Professional category:** Predoctoral researcher  
**Start-End date:** 15/09/2009 - 17/07/2011 **Duration:** 1 year - 10 months - 2 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Part time  
**Performed tasks:** Predoctoral training and research on regional climate modeling: model configuration, underlying physical mechanisms (e.g. land-atmosphere interactions) and future scenarios of climate change impacts over Iberia. Participation in the projects SPEQ-TRES (which funded my contract), ESCENA, CLIMAIR and Minieólica. Pre-doctoral training/research stays at the Max Planck Institute of Meteorology and the Helmholtz-Zentrum Geesthacht. Training stay (specialized courses attendance) at the European Centre for Medium-Range Weather Forecasts.
- 11** **Employing entity:** Universidad de Murcia  
**Department:** Department of Physics  
**City employing entity:** Murcia, Spain  
**Professional category:** Associate profesor  
**Start-End date:** 23/10/2009 - 30/09/2010 **Duration:** 11 months - 8 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Part time  
**Performed tasks:** Official teaching.
- 12** **Employing entity:** Fundación Instituto Euromediterráneo del Agua (F-IEA)  
**Department:** Department of Physics, Universidad de Murcia  
**City employing entity:** Murcia, Spain  
**Professional category:** Predoctoral researcher  
**Start-End date:** 15/06/2007 - 14/06/2009 **Duration:** 2 years  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)  
**Dedication regime:** Full time  
**Performed tasks:** First training activities on regional climate modeling applied to the Iberian Peninsula for present and future periods thanks to a PhD competitive fellowship by the F-IEA..





## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree  
**Name of qualification:** BSc in Physics  
**City degree awarding entity:** Madrid, Spain  
**Degree awarding entity:** Universidad Complutense de Madrid  
**Date of qualification:** 2006

#### Doctorates

**Doctorate programme:** PhD in Physics  
**Degree awarding entity:** Universidad de Murcia  
**City degree awarding entity:** Murcia, Spain  
**Date of degree:** 2011  
**European doctorate:** Yes  
**Thesis title:** Climate simulations over the Iberian Peninsula: study of the role of parameterization schemes and characterization of climate change patterns  
**Thesis director:** Juan Pedro Montávez Gómez  
**Obtained qualification:** Excellent Cum Laude

#### Other postgraduate university studies

**Type of education:** Masters  
**Postgraduate qualification:** Computing tools and Mathematics for Science and Engineering  
**City degree awarding entity:** Murcia, Spain  
**Degree awarding entity:** Universidad de Murcia  
**Date of qualification:** 2009

### Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

- 1 Type of training:** Workshop  
**Training title:** Land-atmosphere interactions at the regional scale  
**City awarding entity:** Madrid, Spain  
**Awarding entity:** Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT)  
**End date:** 2012 **Duration in hours:** 24 hours
- 2 Type of training:** Course  
**Training title:** Data assimilation and use of satellite data  
**City awarding entity:** Reading, United Kingdom



**Awarding entity:** European Center for Medium Range Weather Forecast (ECMWF)  
**End date:** 2008 **Duration in hours:** 37 hours

**3 Type of training:** Course  
**Training title:** Numerical methods and adiabatic formulation of models  
**City awarding entity:** Reading, United Kingdom  
**Awarding entity:** European Center for Medium Range Weather Forecast (ECMWF)  
**End date:** 2008 **Duration in hours:** 31 hours

**4 Type of training:** Course  
**Training title:** Predictability, diagnostics and extended range forecasting  
**City awarding entity:** Reading, United Kingdom  
**Awarding entity:** European Center for Medium Range Weather Forecast (ECMWF)  
**End date:** 2008 **Duration in hours:** 37 hours

**5 Type of training:** Course  
**Training title:** 6th International NCCR Climate Summer School: Land surface-atmosphere interactions in a changing climate  
**City awarding entity:** Grindelwald, Switzerland  
**Awarding entity:** Swiss National Center for Climate Research (NCCR)  
**End date:** 2007 **Duration in hours:** 40 hours

**6 Type of training:** Workshop  
**Training title:** 1st MedCLIVAR workshop 'Reconstruction of past Mediterranean climate: unexplored sources of high resolution data in historic time'  
**City awarding entity:** Carmona, Spain  
**Awarding entity:** Universidad Pablo de Olavide  
**End date:** 2006 **Duration in hours:** 28 hours

### Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

**1 Title of course/seminar:** Formación básica para nuevos docentes / Basic training for new university teachers  
**City organizing entity:** Murcia, Spain  
**Organising entity:** Universidad de Murcia  
**Faculty, institute or centre:** Centro de Formación y Desarrollo Profesional de la Universidad de Murcia  
**Duration in hours:** 30 hours  
**Start-End date:** 25/10/2016 - 15/11/2016

**2 Title of course/seminar:** Curso de Formación de Tutores y Directores de Tesis / Training course for tutors and directors of PhD students  
**City organizing entity:** Murcia, Spain  
**Organising entity:** Universidad de Murcia  
**Faculty, institute or centre:** Escuela Internacional de Doctorado de la Universidad de Murcia  
**Duration in hours:** 3 hours  
**Start-End date:** 18/10/2016 - 18/10/2016

**3 Title of course/seminar:** Certificado de Aptitud Pedagógica (CAP) / Postgraduate teaching certificate  
**City organizing entity:** Madrid, Spain  
**Organising entity:** Universidad Complutense de Madrid



**Faculty, institute or centre:** Instituto de Ciencias de la Educación  
**Duration in hours:** 250 hours  
**Start-End date:** 2006 - 2007

## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian	C1	C1	B2	B2	A2
Portuguese	C1	C1	B2	B2	A2
English	C1	C1	C1	C1	C1
Spanish	C1	C1	C1	C1	C1

## Teaching experience

### General teaching experience

**1** **Type of teaching:** Official teaching  
**Name of the course:** Physics and Chemistry  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Veterinary  
**Course given:** 1st of a 4-year degree  
**Start date:** 2023  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 22  
**Entity:** Universidad de Murcia

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1  
**End date:** 2024

**2** **Type of teaching:** Official teaching  
**Name of the course:** Physics of the Earth  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree  
**Start date:** 2023  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 15  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2024

**3** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Environmental Sciences  
**Course given:** 2nd of a 4-year degree  
**Start date:** 2023  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 13

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2024



**Entity:** Universidad de Murcia

**4** **Type of teaching:** Official teaching  
**Name of the course:** Physics of the Earth  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree  
**Start date:** 2022  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 16  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1

**End date:** 2023

**5** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Environmental Sciences  
**Course given:** 2nd of a 4-year degree  
**Start date:** 2022  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 27  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1

**End date:** 2023

**6** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Mineral resources and energy Engineering  
**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 12  
**Entity:** Universidad Politécnica de Cartagena

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1

**End date:** 2021

**7** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Electronic Engineering  
**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 36  
**Entity:** Universidad Politécnica de Cartagena

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1

**End date:** 2021

**8** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Industrial Technologies Engineering

**Type of teaching:** Laboratory work



**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 36  
**Entity:** Universidad Politécnica de Cartagena

**Frequency of the activity:** 1  
**End date:** 2021

**9** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Chemical Engineering  
**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 48  
**Entity:** Universidad Politécnica de Cartagena

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1  
**End date:** 2021

**10** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Electrical Engineering  
**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 48  
**Entity:** Universidad Politécnica de Cartagena

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2021

**11** **Type of teaching:** Official teaching  
**Name of the course:** Physics II  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Mineral resources and energy Engineering  
**Course given:** 1st of a 4-year degree  
**Start date:** 2020  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 48  
**Entity:** Universidad Politécnica de Cartagena

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2021

**12** **Type of teaching:** Official teaching  
**Name of the course:** Energy and environment  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Environmental Sciences  
**Course given:** 4th of a 4-year degree  
**Start date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 5  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2020



**13** **Type of teaching:** Official teaching  
**Name of the course:** Energy and environment  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree  
**Start date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 5  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2020

**14** **Type of teaching:** Official teaching  
**Name of the course:** Physics  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Mathematics  
**Course given:** 1st of a 4-year degree  
**Start date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 25  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2020

**15** **Type of teaching:** Official teaching  
**Name of the course:** Physics and Chemistry  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Veterinary  
**Course given:** 1st of a 4-year degree  
**Start date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 25  
**Entity:** Universidad de Murcia

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1  
**End date:** 2020

**16** **Type of teaching:** Official teaching  
**Name of the course:** Physics of the Earth  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree  
**Start date:** 2019  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 6  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2020

**17** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Environmental Sciences  
**Course given:** 2nd of a 4-year degree  
**Start date:** 2019

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2020



**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 14  
**Entity:** Universidad de Murcia

**18** **Type of teaching:** Official teaching  
**Name of the course:** Experimental physics  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Physics  
**Course given:** 1st of a 4-year degree  
**Start date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 18  
**Entity:** Universidad de Murcia

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1  
**End date:** 2019

**19** **Type of teaching:** Official teaching  
**Name of the course:** Physics  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Biology  
**Course given:** 1st of a 4-year degree  
**Start date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 20  
**Entity:** Universidad de Murcia

**Type of teaching:** Laboratory work

**Frequency of the activity:** 1  
**End date:** 2019

**20** **Type of teaching:** Official teaching  
**Name of the course:** Physics of the Earth  
**Type of programme:** Bachelor's degree  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree  
**Start date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 10  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2019

**21** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Environmental Sciences  
**Course given:** 2nd of a 4-year degree  
**Start date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 16  
**Entity:** Universidad de Murcia

**Type of teaching:** In person theory

**Frequency of the activity:** 1  
**End date:** 2019

**22** **Type of teaching:** Official teaching  
**Name of the course:** Global change and climate change projections  
**Type of programme:** Master's degree

**Type of teaching:** In person theory



**Type of subject:** Optional

**University degree:** Master of Water Technology, Adaptation and Management

**Course given:** 1st of a 1-year degree

**Frequency of the activity:** 1

**Start date:** 2018

**End date:** 2019

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 8

**Entity:** Universidad de Murcia

**23** **Type of teaching:** Official teaching

**Name of the course:** Weather and climate

**Type of programme:** Master's degree

**Type of teaching:** In person theory

**Type of subject:** Optional

**University degree:** Master of Water Technology, Adaptation and Management

**Course given:** 1st of a 1-year degree

**Frequency of the activity:** 1

**Start date:** 2018

**End date:** 2019

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 8

**Entity:** Universidad de Murcia

**24** **Type of teaching:** Official teaching

**Name of the course:** Physics

**Type of programme:** Bachelor's degree

**Type of teaching:** Laboratory work

**Type of subject:** Obligatory

**University degree:** Biology

**Course given:** 1st of a 4-year degree

**Frequency of the activity:** 1

**Start date:** 2017

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 10

**Entity:** Universidad de Murcia

**25** **Type of teaching:** Official teaching

**Name of the course:** Physics of the Earth

**Type of programme:** Bachelor's degree

**Type of teaching:** In person theory

**Type of subject:** Optional

**University degree:** Physics

**Course given:** 4th of a 4-year degree

**Frequency of the activity:** 1

**Start date:** 2017

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 18

**Entity:** Universidad de Murcia

**26** **Type of teaching:** Official teaching

**Name of the course:** Weather and climate

**Type of programme:** Bachelor's degree

**Type of teaching:** In person theory

**Type of subject:** Obligatory

**University degree:** Environmental Sciences

**Course given:** 2nd of a 4-year degree

**Frequency of the activity:** 1

**Start date:** 2017

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Hours/ECTS credits:** 13

**Entity:** Universidad de Murcia





- 27** **Type of teaching:** Official teaching  
**Name of the course:** Global change and climate change projections  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Master of Water Technology, Adaptation and Management  
**Course given:** 1st of a 1-year degree **Frequency of the activity:** 1  
**Start date:** 2017 **End date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 4  
**Entity:** Universidad de Murcia
- 28** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Master of Water Technology, Adaptation and Management  
**Course given:** 1st of a 1-year degree **Frequency of the activity:** 1  
**Start date:** 2017 **End date:** 2018  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 4  
**Entity:** Universidad de Murcia
- 29** **Type of teaching:** Official teaching  
**Name of the course:** Physics of the Earth  
**Type of programme:** Bachelor's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Physics  
**Course given:** 4th of a 4-year degree **Frequency of the activity:** 1  
**Start date:** 2014 **End date:** 2015  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 15  
**Entity:** Universidad de Murcia
- 30** **Type of teaching:** Official teaching  
**Name of the course:** Global change and climate change projections  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Master of Water Technology, Adaptation and Management  
**Course given:** 1st of a 1-year degree  
**Start date:** 2014 **End date:** 2015  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 5  
**Entity:** Universidad de Murcia
- 31** **Type of teaching:** Official teaching  
**Name of the course:** Weather and climate  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Master of Water Technology, Adaptation and Management  
**Course given:** 1st of a 1-year degree **Frequency of the activity:** 1

**Start date:** 2014**End date:** 2015**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 15**Entity:** Universidad de Murcia**32 Type of teaching:** Official teaching**Name of the course:** Weather and climate**Type of programme:** Master's degree**Type of subject:** Optional**University degree:** Master of Water Technology, Adaptation and Management**Course given:** 1st of a 1-year degree**Start date:** 2014**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 5**Entity:** Universidad de Murcia**Type of teaching:** In person theory**Frequency of the activity:** 1**End date:** 2015**33 Type of teaching:** Official teaching**Name of the course:** Energy and environment**Type of programme:** Bachelor's degree**Type of subject:** Optional**University degree:** Physics**Course given:** 4th of a 4-year degree**Start date:** 2013**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 4**Entity:** Universidad de Murcia**Type of teaching:** In person theory**Frequency of the activity:** 1**End date:** 2014**34 Type of teaching:** Official teaching**Name of the course:** Physics of the Earth**Type of programme:** Bachelor's degree**Type of subject:** Optional**University degree:** Physics**Course given:** 4th of a 4-year degree**Start date:** 2013**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 13**Entity:** Universidad de Murcia**Type of teaching:** In person theory**Frequency of the activity:** 1**End date:** 2014**35 Type of teaching:** Official teaching**Name of the course:** Global change and climate change projections**Type of programme:** Master's degree**Type of subject:** Optional**University degree:** Master of Water Technology, Adaptation and Management**Course given:** 1st of a 1-year degree**Start date:** 2013**Type of hours/ ECTS credits:** Hours**Hours/ECTS credits:** 5**Entity:** Universidad de Murcia**Type of teaching:** In person theory**Frequency of the activity:** 1**End date:** 2014



- 36** **Type of teaching:** Official teaching  
**Name of the course:** Nuclear and particle physics  
**Type of programme:** Bachelor's degree  
**Type of subject:** Core  
**University degree:** Physics  
**Course given:** 5th of a 5-year degree  
**Start date:** 2009  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 20  
**Entity:** Universidad de Murcia
- Type of teaching:** Practical work (classroom-problems)  
**Frequency of the activity:** 1  
**End date:** 2010
- 37** **Type of teaching:** Official teaching  
**Name of the course:** Quantum mechanics  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Physics  
**Course given:** 4th of a 5-year degree  
**Start date:** 2009  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 20  
**Entity:** Universidad de Murcia
- Type of teaching:** Practical work (classroom-problems)  
**Frequency of the activity:** 1  
**End date:** 2010
- 38** **Type of teaching:** Unofficial teaching  
**Name of the course:** Climate change: technical aspects  
**Type of programme:** Postgraduate course  
**Type of subject:** Obligatory  
**University degree:** Postgraduate Course on Legal Regime of Sustainable Development  
**Frequency of the activity:** 2  
**Start date:** 2007  
**Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 3  
**Entity:** Universidad de Murcia
- Type of teaching:** In person theory  
**End date:** 2009

## Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Climate change impact on fires on a global scale  
**Type of project:** Doctoral thesis  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Andrina Gincheva Norcheva  
**Date of reading:** 2024
- 2** **Project title:** Estimación de la incidencia de Diabetes Tipo II asociada a contaminación atmosférica usando funciones no lineales  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Agustín Ríos Moreno  
**Obtained qualification:** 8.5/10  
**Date of reading:** 2023



- 3** **Project title:** Influencia del cambio climático sobre la generación de energía hidroeléctrica en el futuro  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Javier Rafael Nova Martínez  
**Obtained qualification:** 8.9/10  
**Date of reading:** 2020
- 4** **Project title:** Estimación de la demanda energética futura en función de la variación de temperatura en España  
**Type of project:** Master thesis  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Álvaro Andújar García  
**Obtained qualification:** 6.2/10  
**Date of reading:** 2020
- 5** **Project title:** El modelo energético Español ante el cambio climático  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Pablo González Torres  
**Obtained qualification:** 8.3/10  
**Date of reading:** 2019
- 6** **Project title:** Estudio de viabilidad para emplazamiento de instalación de energía solar fotovoltaica en Lorca  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Álvaro Pajarón Santos  
**Obtained qualification:** 7.6/10  
**Date of reading:** 2019
- 7** **Project title:** Evolución de las emisiones de gases de efecto invernadero y de las energías renovables en Europa y análisis de la relación existente ambas  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Elena Jiménez Soto  
**Obtained qualification:** 9.4/10  
**Date of reading:** 2019
- 8** **Project title:** Importancia de las energías renovables y su papel en los planes e informes para la transición energética en España 2030  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Joaquín Fernando Lorente Sáez  
**Obtained qualification:** 7.3/10  
**Date of reading:** 2019



- 9** **Project title:** On the sensitivity of regional climate models to external forcings and relaxation times  
**Type of project:** Doctoral thesis  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Jose María López Romero  
**Date of reading:** 2019
- 10** **Project title:** Identificación de regiones homogéneas y complementarias para la generación de energía eólica y solar / Identifying homogeneous and complementary regions for the generation of wind and solar energy  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Rubén Jesús Soler  
**Obtained qualification:** 8.9/10  
**Date of reading:** 2018
- 11** **Project title:** Clasificación climática con modelos regionales: presente y proyecciones futuras / Climate classification with regional models: present-day and future projections  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Alejandro García López  
**Obtained qualification:** 9/10  
**Date of reading:** 2017
- 12** **Project title:** Análisis de datos para la evaluación de los efectos de aerosoles presentes en la atmósfera sobre el potencial fotovoltaico / Data analysis for the evaluation of the effects of atmospheric aerosols on the photovoltaic potential  
**Type of project:** Master thesis  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Juan José Fernández Monreal  
**Obtained qualification:** 6.5/10  
**Date of reading:** 2015
- 13** **Project title:** Impacto del cambio climático en el potencial fotovoltaico en Europa a partir de un conjunto multimodelo de simulaciones / Climate change impact on the European photovoltaic potential from a multi-model ensemble of simulations  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Jose María López Romero  
**Obtained qualification:** 8.1/10  
**Date of reading:** 2014
- 14** **Project title:** Impacto de la Oscilación del Atlántico Norte en los niveles de concentración de aerosoles en Europa / NAO impact on aerosols concentration levels in Europe  
**Type of project:** End of course project  
**Entity:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Student:** Fátima García Liarte  
**Obtained qualification:** 9.5/10



**Date of reading:** 2013

**15 Project title:** Cambio climático y recurso eólico en la Península Ibérica: estudio de incertidumbres en un conjunto de proyecciones de futuro / Climate change and wind: uncertainties in an ensemble of future projections

**Type of project:** End of course project

**Entity:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Student:** Juan José Gracia Martínez

**Obtained qualification:** 8.5/10

**Date of reading:** 2010

## Scientific and technological experience

### Research and development groups/teams

- 1 Name of the group:** Extrêmes: Statistiques, Impacts et Régionalisation (Equipe ESTIMR)  
**Name of principal investigator:** Robert Vautard  
**City of group:** Gif-sur-Yvette, Île de France, France  
**Affiliation entity:** Laboratoire des Sciences du Climat et de l'Environnement (LSCE)  
**Start date:** 2013 **Duration:** 6 months
- 2 Name of the group:** Climatology and Climate Change Group  
**Name of principal investigator:** Ricardo M. Trigo  
**City of group:** Lisboa, Portugal  
**Affiliation entity:** Instituto Dom Luiz (IDL), Faculdade de Ciências, Universidade de Lisboa  
**Start date:** 2011 **Duration:** 2 years
- 3 Name of the group:** Modelización Atmosférica Regional (MAR) / Regional Atmospheric Modeling  
**Name of principal investigator:** Juan Pedro Montávez Gómez  
**City of group:** Murcia, Spain  
**Affiliation entity:** Universidad de Murcia  
**Start date:** 2007 **Duration:** 14 years

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Climate research powering the energy transition  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI...):** Sonia Jerez Rodríguez  
**Funding entity or bodies:**  
Agencia Estatal de Investigación / Spanish Research Agency  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** RYC2020-029993-I  
**Start-End date:** 01/01/2022 - 31/12/2026



**Total amount:** 42.000 €

- 2 Name of the project:** On the climate-driven evolution of fires across time scales and regions worldwide (ONFIRE)  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Marco Turco; Sonia Jerez Rodríguez  
**Funding entity or bodies:**  
Agencia Estatal de Investigación / Spanish Research Agency  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** PID2021-123193OB-I00  
**Start-End date:** 01/09/2022 - 31/08/2025  
**Total amount:** 150.040 €
- 3 Name of the project:** Optimized pathways for an energy transition towards climate change mitigation and associated health and socioeconomic impacts (OPEN)  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Pedro Jiménez Guerrero; Sonia Jerez Rodríguez  
**Funding entity or bodies:**  
Agencia Estatal de Investigación / Spanish Research Agency  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** TED2021-131074B-I00  
**Start-End date:** 01/12/2022 - 30/11/2024  
**Total amount:** 165.600 €
- 4 Name of the project:** Evaluación y Aplicabilidad de la complementariedad espacio-temporal de los recursos Solar y Eólico para el diseño optimizado de escenarios energéticos de base renovable (EASE) / Evaluation and Applicability of the spatio-temporal complementarity of the Solar and Eolic resource for the optimized design of renewable energy scenarios  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Sonia Jerez Rodríguez  
**Funding entity or bodies:**  
Ministerio de Ciencia, Innovación y Universidades / Spanish Ministry of Science, Innovation and Universities  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** RTI2018-100870-A-I00  
**Start-End date:** 01/01/2019 - 31/12/2021  
**Total amount:** 24.200 €
- 5 Name of the project:** Nexus, drivers and projections of too dry and too hot EXTremes (NEXT)  
**Entity where project took place:** Instituto Dom Luiz (IDL), Faculdade de Ciências da Universidade de Lisboa  
**City of entity:** Lisboa, Portugal  
**Name principal investigator (PI, Co-PI....):** Sonia Jerez  
**Funding entity or bodies:**  
Fundação para a Ciência e a Tecnologia (FCT) / Portuguese national funding agency for science, research and technology  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** IF/01142/2015



**Start-End date:** 01/01/2017 - 31/12/2021

**Total amount:** 191.509,2 €

- 6** **Name of the project:** Modelización climática al servicio del sector energético: diseño de escenarios energéticos de base renovable con máxima eficiencia y estabilidad (CLIMAX) / Climate modeling for the energy sector: designing decarbonized energy scenarios with maximum efficiency and stability  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Sonia Jerez Rodríguez  
**Funding entity or bodies:**  
Fundación Séneca - Agencia de Ciencia y Tecnología de la Región de Murcia / Funding agency for science and technology of the Region of Murcia  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** 20642/JLI/18  
**Start-End date:** 01/01/2019 - 31/12/2020  
**Total amount:** 47.000 €
- 7** **Name of the project:** Caracterización del papel de los aerosoles atmosféricos en eventos climáticos extremos / Role of atmospheric aerosols on European climatic extreme events (ACEX)  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez; Pedro Jiménez Guerrero  
**Funding entity or bodies:**  
Ministerio de Economía y Competitividad / Spanish Ministry of Economy and Competitiveness  
**Type of participation:** Collaborator, confirmed publications  
**Code according to the funding entity:** CGL2017-87921-R  
**Start-End date:** 01/01/2018 - 31/12/2020  
**Total amount:** 133.100 €
- 8** **Name of the project:** North Atlantic atmospheric patterns influence on western Iberia climate: from the late glacial to the present (HOLMODRIVE)  
**Entity where project took place:** Instituto Dom Luiz (IDL), Faculdade de Ciências da Universidade de Lisboa  
**City of entity:** Lisboa, Portugal  
**Name principal investigator (PI, Co-PI....):** Armand Hernández  
**Funding entity or bodies:**  
Fundação para a Ciência e a Tecnologia (FCT) / Portuguese national funding agency for science, research and technology  
**Type of participation:** Team member  
**Code according to the funding entity:** 02/SAICT/2017  
**Start-End date:** 01/01/2018 - 31/12/2020  
**Total amount:** 239.611,12 €
- 9** **Name of the project:** Interacciones calidad del aire-clima e impactos de la producción energética renovable bajo escenarios de cambio climático / Air quality-climate interactions and impacts of renewable energies under climate change scenarios (REPAIR)  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez; Pedro Jiménez Guerrero  
**Funding entity or bodies:**





Ministerio de Economía y Competitividad / Spanish Ministry of Economy and Competitiveness

**Type of participation:** Hired by the project

**Code according to the funding entity:** CGL2014-59677-R

**Start-End date:** 01/01/2015 - 31/12/2017

**Total amount:** 148.830 €

**10 Name of the project:** Quantifying projected impacts under 2°C warming (IMPACT2C)

**Entity where project took place:** Laboratoire des Sciences du Climat et de l'Environnement (LSCE) - Institut Pierre Simon Laplace (IPSL)

**City of entity:** Gif-sur-Yvette, France

**Name principal investigator (PI, Co-PI....):** Robert Vautard

**Funding entity or bodies:**

European Commission FP7-ENV-2011

**Type of participation:** Collaborator, confirmed publications

**Code according to the funding entity:** 282746

**Start-End date:** 01/11/2011 - 30/09/2015

**Sub-project amount:** 282.379,2 €

**11 Name of the project:** Quantification and evolution of droughts in the Iberian Peninsula: past, present and future (QSECA)

**Entity where project took place:** Instituto Dom Luiz (IDL), Faculdade de Ciências da Universidade de Lisboa

**City of entity:** Lisboa, Portugal

**Name principal investigator (PI, Co-PI....):** Célia Gouveia

**Funding entity or bodies:**

Fundação para a Ciência e a Tecnologia (FCT) / Portuguese national funding agency for science, research and technology

**Type of participation:** Team member

**Code according to the funding entity:** PTDC/AAG-GLO/4155/2012

**Start-End date:** 01/07/2013 - 30/06/2015

**Total amount:** 174.635 €

**12 Name of the project:** Climate and energy mix, towards an integrated simulator (CLIMIX)

**Entity where project took place:** Laboratoire des Sciences du Climat et de l'Environnement (LSCE) & Institut de Technico-Économie des Systèmes Énergétiques (i-Tésé)

**City of entity:** Gif-sur-Yvette, France

**Name principal investigator (PI, Co-PI....):** Robert Vautard

**Funding entity or bodies:**

Commissariat à l'énergie atomique et aux énergies alternatives (CEA) - DSM Energy program

**Type of participation:** Hired by the project

**Code according to the funding entity:** DSM/SAC/CLIMIX

**Start-End date:** 01/01/2013 - 01/01/2015

**Total amount:** 170.000 €

**13 Name of the project:** Simulation and analysis of key periods in the Quaternary: Towards advancing understanding of proxy reconstructions and model simulations (SPEQ-TRES)

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez

**Funding entity or bodies:**



Ministerio de Educación y Ciencia / Spanish Ministry of Education and Science

**Type of participation:** Team member

**Code according to the funding entity:** CGL2008-06558-C02-02

**Start-End date:** 01/01/2009 - 31/12/2014

**Sub-project amount:** 147.620 €

- 14 Name of the project:** Simulaciones climaticas regionales de conjuntos sobre la Peninsula Ibérica y la Region de Murcia para evaluación de la calidad del aire / Ensemble of regional climate simulations over the Iberian Peninsula and the Region of Murcia for air quality assessments (CLIMAIR)

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Pedro Jiménez Guerrero

**Funding entity or bodies:**

Fundación Séneca - Agencia de Ciencia y Tecnología de la Región de Murcia / Funding agency for science and technology of the Region of Murcia (Spain)

**Type of participation:** Team member

**Code according to the funding entity:** 12033/PI/09

**Start-End date:** 01/01/2010 - 31/12/2013

**Total amount:** 34.933 €

- 15 Name of the project:** Evolution of North Atlantic Climate; the role of Blocking and Storm-tracks in the Past, Present and Future climate of Southern Europe (ENAC)

**Entity where project took place:** Instituto Dom Luiz (IDL), Faculdade de Ciências da Universidade de Lisboa

**City of entity:** Lisboa, Portugal

**Name principal investigator (PI, Co-PI....):** Ricardo M. Trigo

**Funding entity or bodies:**

Fundação para a Ciência e a Tecnologia (FCT) / Portuguese national funding agency for science, research and technology

**Type of participation:** Hired by the project

**Code according to the funding entity:** PTDC/AAC-CLI/103567/2008

**Start-End date:** 01/01/2010 - 30/06/2013

**Total amount:** 135.445 €

- 16 Name of the project:** Generación de escenarios regionalizados de cambio climático en España con modelos de alta resolución (ESCENA) / Generation of high-resolution climate change scenarios for Spain

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez

**Funding entity or bodies:**

Ministerio de Medioambiente / Spanish Ministry of Environment

**Type of participation:** Team member

**Code according to the funding entity:** 200800050084265

**Start-End date:** 01/01/2007 - 30/06/2012

**Sub-project amount:** 155.925,6 €

- 17 Name of the project:** Proyecto Minieólica: Fomento de la tecnología eólica de pequeña potencia / Small wind project: promoting small wind turbines technology

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain



**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez

**Funding entity or bodies:**

Ministerio de Educación y Ciencia / Spanish Ministry of Education and Science

**Type of participation:** Team member

**Code according to the funding entity:** PSE-120000-2007-14

**Start-End date:** 01/01/2007 - 31/12/2009

**Sub-project amount:** 132.200 €

## R&D non-competitive contracts, agreements or projects with public or private entities

- 1 Name of the project:** Definición e implementación de nuevos dominios de calidad del aire dentro del sistema SINQLAIR

**Entity where project took place:** Universidad de Murcia

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Pedro Jiménez Guerrero; Juan Pedro Montávez Gómez

**Funding entity or bodies:**  
Tragsatec S.A. **Type of entity:** Business

**City funding entity:** Madrid, Spain

**Start date:** 2014 **Duration:** 4 months

**Total amount:** 3.854,2 €
- 2 Name of the project:** Implementación de un sistema de retrotrayectorias dentro del sistema SINQLAIR

**Entity where project took place:** Universidad de Murcia

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Pedro Jiménez Guerrero; Juan Pedro Montávez Gómez

**Funding entity or bodies:**  
Tragsatec S.A. **Type of entity:** Business

**City funding entity:** Madrid, Spain

**Start date:** 2014 **Duration:** 4 months

**Total amount:** 11.223,13 €
- 3 Name of the project:** Generación de bases de datos para estimación de potencial eólico / Generation of wind databases for estimations of wind power generation potential

**Entity where project took place:** Universidad de Murcia

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Murcia

**City of entity:** Murcia, Spain

**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez

**Funding entity or bodies:**  
Ennera Energy and Mobility **Type of entity:** Business

**City funding entity:** Ibarra, Spain

**Start date:** 2011 **Duration:** 2 months

**Total amount:** 2.360 €



- 4** **Name of the project:** Apoyo a la realización del preinventario de emisiones de la Región de Murcia / Support for the emissions inventory in the Region of Murcia  
**Entity where project took place:** Universidad de Murcia  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez  
**Funding entity or bodies:**  
Tragsatec S.A. **Type of entity:** Business  
**City funding entity:** Madrid, Spain  
**Start date:** 2010 **Duration:** 3 months - 15 days  
**Total amount:** 11.682 €
- 5** **Name of the project:** Fenómenos climáticos extremos en la Península Ibérica: bondad de las simulaciones de alta resolución y proyecciones de futuro / Extreme climatic events in the Iberian Peninsula: skill of high resolution climate simulations and future projections  
**Entity where project took place:** Universidad de Murcia  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez  
**Funding entity or bodies:**  
Fundación Instituto Euromediterráneo del Agua (F-IEA) **Type of entity:** Foundation  
**City funding entity:** Murcia, Spain  
**Start date:** 2009 **Duration:** 12 months - 28 days  
**Total amount:** 25.400 €
- 6** **Name of the project:** Implementación y aplicación del modelo de clima global EC-Earth para la mejora del comportamiento de las predicciones climáticas estacionales y decenales / Implementation and application of the global circulation model EC-Earth for improving decadal and seasonal predictability  
**Entity where project took place:** Universidad de Murcia  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez  
**Funding entity or bodies:**  
Barcelona Supercomputing Center (BSC) **Type of entity:** Innovation and Technology Centres  
**City funding entity:** Barcelona, Spain  
**Start date:** 2009 **Duration:** 1 month  
**Total amount:** 35.217,6 €
- 7** **Name of the project:** Servicio técnico para el diseño y desarrollo de un sistema básico de diagnóstico y predicción de calidad del aire en la Región de Murcia / Technical service for the design and development of a basic prediction system of air quality in the Region of Murcia  
**Entity where project took place:** Universidad de Murcia  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Murcia  
**City of entity:** Murcia, Spain  
**Name principal investigator (PI, Co-PI....):** Juan Pedro Montávez Gómez

**Funding entity or bodies:**

Tragsatec S.A.

**Type of entity:** Business**City funding entity:** Madrid, Spain**Start date:** 2009**Duration:** 6 months**Total amount:** 20.000 €

- 8 Name of the project:** Elaboración de una base de datos de alta resolución de proyecciones de cambio climático de distintas variables meteorológicas e hidráulicas para el sureste de la Península Ibérica / Generation of a high-resolution database of climate change projections over the southeastern Iberian Peninsula for several meteorological and hydrological variables

**Entity where project took place:** Universidad de Murcia**Degree of contribution:** Researcher**Entity where project took place:** Universidad de Murcia**City of entity:** Murcia, Spain**Name principal investigator (PI, Co-PI...):** Juan Pedro Montávez Gómez**Funding entity or bodies:**

Fundación Instituto Euromediterráneo del Agua (F-IEA)

**Type of entity:** Foundation**City funding entity:** Murcia, Spain**Start date:** 2007**Duration:** 12 months**Total amount:** 25.300 €

## Scientific and technological activities

### Scientific production

**H index:** 28**Date of application:** 28/01/2024**Fuente de Índice H:** WOS

### Publications, scientific and technical documents

- 1** R. XU; Z. ZENG; M. PAN; A.D. ZIEGLER; J. HOLDEN; D.V. SPRACKLEN; L.E. BROWN; X. HE; D. CHEN; B. YE; H. XU; S. JEREZ; C. ZHENG; J. LIU; P. LIN; Y. YANG; J. ZOU; D. WANG; M. GU; Z. YANG; D. LI; J. HUANG; V. LAKSHMI; E.F. WOOD. A global-scale framework for hydropower development incorporating strict environmental constraints. NATURE WATER. 1 - 1, pp. 113 - 122. 2023. Available on-line at: <<https://doi.org/10.1038/s44221-022-00004-1>>. ISSN 2731-6084

**Type of production:** Scientific paper**Position of signature:** 12**Total no. authors:** 24**Corresponding author:** No

- 2** S. JEREZ; D. BARRIOPEDRO; A. GARCÍA-LÓPEZ; R. LORENTE-PLAZAS; A.M. SOMOZA; M. TURCO; J. CARRILLO; R.M. TRIGO. An Action-Oriented Approach to Make the Most of the Wind and Solar Power Complementarity. EARTH'S FUTURE. 11 - 6, pp. e2022EF003332. 2023. Available on-line at: <<https://doi.org/10.1029/2022EF003332>>. ISSN 2328-4277

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Corresponding author:** Yes



**Impact source:** ISI

**Impact index in year of publication:** 8.2

**Position of publication:** 9

**Category:** Science Edition - GEOSCIENCES,  
MULTIDISCIPLINARY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 202

- 3** M. TURCO; J.T. ABATZOGLOU; S. HERRERA; Y. ZHUANG; S. JEREZ; D.D. LUCAS; A. AGHAKOUCHAK; I. CVIJANOVIC. Anthropogenic climate change impacts exacerbate summer forest fires in California. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES. 120 - 25, pp. e2213815120. 2023. Available on-line at: <<https://doi.org/10.1073/pnas.22138151>>. ISSN 0027-8424

**Type of production:** Scientific paper

**Position of signature:** 5

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 11.1

**Position of publication:** 8

**Corresponding author:** No

**Category:** Science Edition - MULTIDISCIPLINARY  
SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 73

- 4** Y. ZHAO; S. LIANG; Y. LIU; T.R. MCVICAR; C. AZORÍN-MOLINA; L. ZHOU; R.J.H. DUNN; S. JEREZ; Y. QIN; X. YANG; J. XU; Z. ZENG. Global assessment of spatiotemporal changes of frequency of terrestrial wind speed. ENVIRONMENTAL RESEARCH LETTERS. 18 - 4, pp. 044048. 2023. Available on-line at: <<https://doi.org/10.1088/1748-9326/acc9d5>>. ISSN 1748-9326

**Type of production:** Scientific paper

**Position of signature:** 8

**Total no. authors:** 12

**Impact source:** ISI

**Impact index in year of publication:** 6.7

**Position of publication:** 13

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY &  
ATMOSPHERIC SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 94

- 5** Y. LIU; Z. ZENG; R. XU; A.D. ZIEGLER; S. JEREZ; D. CHEN; C. AZORÍN-MOLINA; L. ZHOU; X. YANG; H. XU; L. LI; L. DONG; F. ZHOU; R. CAO; J. LIU; B. YE; X. KUANG; X. YANG. Increases in China's wind energy production from the recovery of wind speed since 2012. ENVIRONMENTAL RESEARCH LETTERS. 17 - 11, pp. 114035. 2022. Available on-line at: <<https://doi.org/10.1088/1748-9326/ac9cf4>>. ISSN 1748-9326

**Type of production:** Scientific paper

**Position of signature:** 5

**Total no. authors:** 18

**Impact source:** ISI

**Impact index in year of publication:** 6.7

**Position of publication:** 13

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY &  
ATMOSPHERIC SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 94

- 6** J.M. LÓPEZ-ROMERO; J.P. MONTÁVEZ; S. JEREZ; R. LORENTE-PLAZAS; L. PALACIOS-PEÑA; P. JIMÉNEZ-GUERRERO. Precipitation response to aerosol-radiation and aerosol-cloud interactions in regional climate simulations over Europe. ATMOSPHERIC CHEMISTRY AND PHYSICS. 21 - 1, pp. 415 - 430. 2021. Available on-line at: <<https://doi.org/10.5194/acp-21-415-2021>>. ISSN 1680-7316

**Type of production:** Scientific paper

**Position of signature:** 3

**Total no. authors:** 6

**Impact source:** ISI

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY &  
ATMOSPHERIC SCIENCES



**Impact index in year of publication:** 7.197  
**Position of publication:** 12

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 94

- 7** S. JEREZ; L. PALACIOS-PEÑA; C. GUTIÉRREZ; P. JIMÉNEZ-GUERRERO; J.M. LÓPEZ-ROMERO; E. PRAVIA-SARABIA; J.P. MONTÁVEZ. Sensitivity of surface solar radiation to aerosol–radiation and aerosol–cloud interactions over Europe in WRFv3. 6.1 climatic runs with fully interactive aerosols. GEOSCIENTIFIC MODEL DEVELOPMENT. 14 - 3, pp. 1533 - 1551. 2021. Available on-line at: <<https://doi.org/10.5194/gmd-14-1533-2021>>. ISSN 1991-959X

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 6.892

**Position of publication:** 11

**Corresponding author:** Yes

**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 202

- 8** M. TURCO; S. JEREZ; M. DONAT; A. TORETI; S.M. VICENTE-SERRANO; F.J. DOBLAS-REYES. DROP: A Probabilistic Drought Monitoring Tool. BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY. 101 - 10, pp. 991 - 994. 2020. Available on-line at: <<https://doi.org/10.1175/BAMS-D-19-0192.1>>. ISSN 0003-0007

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 8.766

**Position of publication:** 4

**Format:** Journal

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 94

- 9** L. PALACIOS-PEÑA; J.P. MONTAVEZ; J.M. LÓPEZ-ROMERO; S. JEREZ; J.J. GÓMEZ-NAVARRO; R. LORENTE-PLAZAS; J. RUIZ; P. JIMÉNEZ-GUERRERO. Added value of aerosol-cloud interactions for representing aerosol optical depth in an online coupled climate-chemistry model over Europe. ATMOSPHERE. 11 - 4, pp. 360. 2020. Available on-line at: <<https://doi.org/10.3390/atmos11040360>>. ISSN 2073-4433

**Type of production:** Scientific paper

**Position of signature:** 4

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 2.686

**Position of publication:** 54

**Format:** Journal

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Journal in the top 25%:** No

**No. of journals in the cat.:** 94

- 10** S. JEREZ; J.M. LOPEZ-ROMERO; M. TURCO; R. LORENTE-PLAZAS; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; J.P. MONTAVEZ. On the spin-up period in WRF simulations over Europe: trade offs between length and seasonality. JOURNAL OF ADVANCES IN MODELING EARTH SYSTEMS. 12 - 4, pp. e2019MS001945. 2020. Available on-line at: <<https://doi.org/10.1029/2019MS001945>>. ISSN 1942-2466

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 6.66

**Position of publication:** 9

**Format:** Journal

**Corresponding author:** Yes

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Journal in the top 25%:** Yes

**No. of journals in the cat.:** 94

- 11** D. JACOB; C. TEICHMANN; S. SOBOLOWSKI; E. KATRAGKOU; et AL. (in alphabetical order). Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. REGIONAL ENVIRONMENTAL CHANGE. 20 - 51, 2020. Available on-line at: <<https://doi.org/10.1007/s10113-020-01606-9>>. ISSN 1436-3798
- Type of production:** Scientific paper  
**Position of signature:** 32  
**Total no. authors:** 64  
**Impact source:** ISI  
**Impact index in year of publication:** 3.678  
**Position of publication:** 109
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - ENVIRONMENTAL SCIENCES  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 274
- 12** R. LORENTE-PLAZAS; J.P. MONTAVEZ; A. RAMOS; S. JEREZ; R.M. TRIGO; P. JIMENEZ-GUERRERO. Unusual Atmospheric-River-like structures coming from Africa induce extreme precipitation over western Mediterranean Sea. JOURNAL OF GEOPHYSICAL RESEARCH - ATMOSPHERE. 125 - 2, pp. e2019JD031280. 2020. Available on-line at: <<https://doi.org/10.1029/2019JD031280>>. ISSN 2169-897X
- Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 4.261  
**Position of publication:** 27
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 94
- 13** M. TURCO; S. JEREZ; S. AUGUSTO; P. TARÍN-CARRASCO; N. RATOLA; P. JIMÉNEZ-GUERRERO; R.M. TRIGO. Climate drivers of the 2017 devastating fires in Portugal. SCIENTIFIC REPORTS. 9 - 13886, 2019. Available on-line at: <<https://doi.org/10.1038/s41598-019-50281-2>>. ISSN 2045-2322
- Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 3.998  
**Position of publication:** 17
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 71
- 14** S. JEREZ; I. TOBIN; M. TURCO; P. JIMENEZ-GUERRERO; R. VAUTARD; J.P. MONTÁVEZ. Future changes, or lack thereof, in the temporal variability of the combined wind-plus-solar power production in Europe. RENEWABLE ENERGY. 139, pp. 251 - 260. 2019. Available on-line at: <<https://doi.org/10.1016/j.renene.2019.02.060>>. ISSN 0960-1481
- Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 6.274  
**Position of publication:** 9
- Format:** Journal  
**Corresponding author:** Yes  
**Category:** GREEN & SUSTAINABLE SCIENCE & TECHNOLOGY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 41
- 15** J.M. JIMENEZ-GUTIERREZ; F. VALERO; S. JEREZ; J.P. MONTÁVEZ. Impacts of Green Vegetation Fraction Derivation Methods on Regional Climate Simulations. ATMOSPHERE. 10 - 5, pp. 281 - 298. 2019. Available on-line at: <<https://doi.org/10.3390/atmos10050281>>. ISSN 2073-4433





**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 4  
**Impact source:** ISI

**Format:** Journal

**Impact index in year of publication:** 2.397  
**Position of publication:** 48

**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 93

- 16** M.C. NEVES; S. JEREZ; R.M. TRIGO. The response of piezometric levels in Portugal to NAO, EA, and SCAND climate patterns. JOURNAL OF HYDROLOGY. 568, pp. 1105 - 1117. 2019. Available on-line at: <<https://doi.org/10.1016/j.jhydrol.2018.11.054>>. ISSN 0022-1694

**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 3  
**Impact source:** ISI  
**Impact index in year of publication:** 4.5  
**Position of publication:** 6

**Format:** Journal

**Corresponding author:** No  
**Category:** Science Edition - WATER RESOURCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 94

- 17** M. TURCO; J.J. ROSA-CANOVAS; J. BEDIA; S. JEREZ; J.P. MONTÁVEZ; M.C. LLASAT; A. PROVENZALE. Exacerbated fires in Mediterranean Europe due to anthropogenic warming projected with non-stationary climate-fire models. NATURE COMMUNICATIONS. 9 - 3821, 2018. Available on-line at: <<https://doi.org/10.1038/s41467-018-06358-z>>. ISSN 2041-1723

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 7  
**Impact source:** ISI

**Format:** Journal

**Impact index in year of publication:** 12.353  
**Position of publication:** 3

**Corresponding author:** No  
**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 64

- 18** S. JEREZ; J.M. LÓPEZ-ROMERO; M. TURCO; P. JIMENEZ-GUERRERO; R. VAUTARD; J.P. MONTÁVEZ. Impact of evolving greenhouse gas forcing on the warming signal in regional climate model experiments. NATURE COMMUNICATIONS. 9 - 1304, 2018. Available on-line at: <<https://doi.org/10.1038/s41467-018-03527-y>>. ISSN 2041-1723

**Type of production:** Scientific paper  
**Position of signature:** 1  
**Corresponding author:** Yes  
**Impact source:** ISI

**Format:** Journal

**Impact index in year of publication:** 12.353  
**Position of publication:** 3

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 64

- 19** M. TURCO; S. JEREZ; F.J. DOBLAS-REYES; C. LLASAT; A. AGHAKOUCHAK; A. PROVENZALE. Skilful forecasting of global fire activity using seasonal climate predictions. NATURE COMMUNICATIONS. 9 - 2718, 2018. Available on-line at: <<https://doi.org/10.1038/s41467-018-05250-0>>. ISSN 2041-1723

**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 6  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** No  
**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES



**Impact index in year of publication:** 12.353  
**Position of publication:** 3

**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 64

- 20** I. TOBIN; W. GREUELL; S. JEREZ; F. LUDWIG; R. VAUTARD; M.T.H. VAN VLIET; F.M. BREON. Vulnerabilities and resilience of European power generation to 1.5°C, 2°C and 3°C warming. ENVIRONMENTAL RESEARCH LETTERS. 13 - 044024, 2018. Available on-line at: <<https://doi.org/10.1088/1748-9326/aab211>>. ISSN 1748-9326

**Type of production:** Scientific paper  
**Position of signature:** 3

**Format:** Journal

**Total no. authors:** 7

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - ENVIRONMENTAL SCIENCES

**Impact index in year of publication:** 4.541

**Journal in the top 25%:** Yes

**Position of publication:** 30

**No. of journals in the cat.:** 241

- 21** A. PACHECO; E. GORBEÑA; C. SEQUEIRA; S. JEREZ. An evaluation of offshore wind power production by floatable systems: A case study from SW Portugal. ENERGY. 131, pp. 239 - 250. 2017. Available on-line at: <<https://doi.org/10.1016/j.energy.2017.04.149>>. ISSN 0360-5442

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 4

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - THERMODYNAMICS

**Impact index in year of publication:** 4.968

**Journal in the top 25%:** Yes

**Position of publication:** 4

**No. of journals in the cat.:** 59

- 22** M. GILABERTE-BÚRDALO; J.I. LÓPEZ-MORENO; E. MORÁN-TEJEDA; S. JEREZ; F. LÓPEZ-MARTÍN; R. PINO-OTÍN. Assessment of ski condition reliability in the Spanish and Andorran Pyrenees for the second half of the 20th century. APPLIED GEOGRAPHY. 79, pp. 127 - 142. 2017. Available on-line at: <<http://doi.org/10.1016/j.apgeog.2016.12.013>>. ISSN 0143-6228

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 6

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - GEOGRAPHY, PHYSICAL

**Impact index in year of publication:** 3.117

**Journal in the top 25%:** Yes

**Position of publication:** 14

**No. of journals in the cat.:** 84

- 23** A. SÁ; A. BENALI; P.M. FERNANDES; R. PINTO; R.M. TRIGO; M. SALIS; A. RUSSO; S. JEREZ; P.M. SOARES; C. DA CAMARA; J.M. PEREIRA. Evaluating fire growth simulations using satellite active fire data. REMOTE SENSING OF ENVIRONMENT. 190, pp. 302 - 317. 2017. Available on-line at: <<https://doi.org/10.1016/j.rse.2016.12.023>>. ISSN 0034-4257

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 8

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - ENVIRONMENTAL SCIENCES

**Impact index in year of publication:** 6.457

**Journal in the top 25%:** Yes

**Position of publication:** 12

**No. of journals in the cat.:** 241



- 24** C. AZORIN-MOLINA; S.M. VICENTE-SERRANO; T.R. McVICAR; J. REVUELTO; S. JEREZ; J.I. LOPEZ-MORENO. Assessing the impact of measurement time interval when calculating wind speed means and trends under the stilling phenomenon. INTERNATIONAL JOURNAL OF CLIMATOLOGY. 2016. Available on-line at: <<https://doi.org/10.1002/joc.4720>>. ISSN 0899-8418
- Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 6  
**Impact source:** ISI
- Impact index in year of publication:** 3.76  
**Position of publication:** 14
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85
- 25** I. TOBIN; S. JEREZ; R. VAUTARD; F. THAIS; M. DÉQUÉ; S. KOTLARSKI; C.F. MAULE; E. VAN MEIJGAARD; G. NIKULIN; T. NÖEL; A. PREIN; C. TEICHMANN. Climate change impacts on the power generation potential of a European mid-century wind farms scenario. ENVIRONMENTAL RESEARCH LETTERS. 11 - 034013, 2016. Available on-line at: <<http://doi.org/10.1088/1748-9326/11/3/034013>>. ISSN 1748-9326
- Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 12  
**Impact source:** ISI
- Impact index in year of publication:** 4.404  
**Position of publication:** 8
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85
- 26** A. RUSSO; C. GOUVEIA; I. LEVY; U. DAYAN; S. JEREZ; M. MENDES; R.M. TRIGO. Coastal recirculation affecting air pollutants in Portugal: the role of circulation weather types. ATMOSPHERIC ENVIRONMENT. 135, pp. 9 - 19. 2016. Available on-line at: <<https://doi.org/10.1016/j.atmosenv.2016.03.039>>. ISSN 0899-8418
- Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 7  
**Impact source:** ISI
- Impact index in year of publication:** 3.629  
**Position of publication:** 16
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85
- 27** B. BARTOK; M. WILD; D. FOLINI; D. LÜTHI; S. KOTLARSKI; C. SCHAR; R. VAUTARD; S. JEREZ. Projected changes in surface solar radiation in CMIP5 global climate models and in EURO-CORDEX regional climate models for Europe. CLIMATE DYNAMICS. 2016. Available on-line at: <<http://doi.org/10.1007/s00382-016-3471-2>>. ISSN 0930-7575
- Type of production:** Scientific paper  
**Position of signature:** 8  
**Total no. authors:** 8  
**Impact source:** ISI
- Impact index in year of publication:** 4.146  
**Position of publication:** 11
- Format:** Journal  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85



- 28** C. AZORIN-MOLINA; J.A. GUIJARRO; T.R. MCVICAR; S.M. VICENTE-SERRANO; D. CHEN; S. JEREZ; F. ESPIRITO-SANTO. Trends on daily peak wind gusts in Spain and Portugal, 1961-2014. JOURNAL OF GEOPHYSICAL RESEARCH - ATMOSPHERES. 121 - 3, pp. 1059 - 1078. 2016. Available on-line at: <<https://doi.org/10.1002/2015JD024485>>. ISSN 0148-0227
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 6  
**Total no. authors:** 7 **Corresponding author:** No  
**Impact source:** ISI **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact index in year of publication:** 3.454 **Journal in the top 25%:** Yes  
**Position of publication:** 19 **No. of journals in the cat.:** 85
- 29** I. TOBIN; R. VAUTARD; I. BALOG; F.M. BREÓN; S. JEREZ; P.M. RUTI; F. THAIS; M. VRAC; P. YIOU. Assessing climate change impacts on European wind energy from ENSEMBLES high-resolution climate projections. CLIMATIC CHANGE. 128 - 1-2, pp. 99 - 112. 2015. Available on-line at: <<http://doi.org/10.1007/s10584-014-1291-0>>. ISSN 0165-0009
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 5 **Corresponding author:** No  
**Total no. authors:** 9 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 3.344 **No. of journals in the cat.:** 84  
**Position of publication:** 19
- 30** A. HERNANDEZ; R.M. TRIGO; S. PLA-RABES; B.L. VALERO-GARCES; S. JEREZ; M. RICO-HERRERO; J.C. VEGA; M. JAMBRINA-ENRIQUEZ; S. GIRALT. Sensitivity of two Iberian lakes to North Atlantic atmospheric circulation modes. CLIMATE DYNAMICS. 45 - 11, pp. 3403 - 3417. 2015. Available on-line at: <<http://doi.org/10.1007/s00382-015-2547-8>>. ISSN 0930-7575
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 5 **Corresponding author:** No  
**Total no. authors:** 9 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 4.708 **No. of journals in the cat.:** 84  
**Position of publication:** 8
- 31** S. JEREZ; F. THAIS; I. TOBIN; M. WILD; A. COLETTE; P. YIOU; R. VAUTARD. The CLIMIX model: a tool to create and evaluate spatially-resolved scenarios of photovoltaic and wind power development. RENEWABLE & SUSTAINABLE ENERGY REVIEWS. 42, pp. 1 - 15. 2015. Available on-line at: <<http://doi.org/10.1016/j.rser.2014.09.041>>. ISSN 1364-0321
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Corresponding author:** Yes  
**Total no. authors:** 7 **Category:** Science Edition - ENERGY & FUELS  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 6.798 **No. of journals in the cat.:** 88  
**Position of publication:** 6
- 32** S. JEREZ; I. TOBIN; R. VAUTARD; J.P. MONTAVEZ; J.M. LOPEZ-ROMERO; F. THAIS; B. BARTOK; O.B. CHRISTENSEN; A. COLETTE; M. DÉQUÉ; G. NIKULIN; S. KOTLARSKI; E. VAN MEIJGAARD; C. TEICHMANN; M. WILD. The impact of climate change on photovoltaic power generation in Europe. NATURE

COMMUNICATIONS. 6 - 10014, 2015. Available on-line at: <<https://doi.org/10.1038/ncomms10014>>. ISSN 2041-1723

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 15

**Corresponding author:** Yes

**Impact source:** ISI

**Category:** Science Edition - MULTIDISCIPLINARY SCIENCES

**Impact index in year of publication:** 11.329

**Journal in the top 25%:** Yes

**Position of publication:** 3

**No. of journals in the cat.:** 63

- 33** R. LORENTE-PLAZAS; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; P.A. JIMENEZ. A 49 year hindcast of surface winds over the Iberian Peninsula. INTERNATIONAL JOURNAL OF CLIMATOLOGY. 35, pp. 3007 - 3023. 2014. Available on-line at: <<http://doi.org/10.1002/joc.4189>>. ISSN 1097-0088

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 3

**Total no. authors:** 6

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 3.157

**Journal in the top 25%:** Yes

**Position of publication:** 18

**No. of journals in the cat.:** 77

- 34** R. LORENTE-PLAZAS; J.P. MONTAVEZ; P.A. JIMENEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO. Characterization of the surface wind over the Iberian Peninsula. INTERNATIONAL JOURNAL OF CLIMATOLOGY. 35, pp. 1007 - 1026. 2014. Available on-line at: <<http://doi.org/10.1002/joc.4034>>. ISSN 1097-0088

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 7

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 3.157

**Journal in the top 25%:** Yes

**Position of publication:** 18

**No. of journals in the cat.:** 77

- 35** C. AZORIN-MOLINA; S.M. VICENTE-SERRANO; T.R. McVICAR; S. JEREZ; A. SANCHEZ-LORENZO; J.I. LOPEZ-MORENO; J. REVUELTO; R.M. TRIGO; J.A. LOPEZ-BUSTINS; F. ESPIRITO-SANTO. Homogenization and assessment of observed near-surface wind speed trends over Spain and Portugal, 1961-2011. JOURNAL OF CLIMATE. 27 - 10, pp. 3692 - 3712. 2014. Available on-line at: <<http://doi.org/10.1175/JCLI-D-13-00652.1>>. ISSN 0894-8755

**Type of production:** Scientific paper

**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 10

**Corresponding author:** No

**Impact source:** ISI

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES

**Impact index in year of publication:** 4.435

**Journal in the top 25%:** Yes

**Position of publication:** 6

**No. of journals in the cat.:** 77



- 36** S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; E. ZORITA. A multi-physics ensemble of present-day climate regional simulations over the Iberian Peninsula. CLIMATE DYNAMICS. 40 - 11-12, pp. 3023 - 3046. 2013. Available on-line at: <<http://doi.org/10.1007/s00382-012-1539-1>>. ISSN 0930-7575  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1  
**Total no. authors:** 6 **Corresponding author:** No  
**Impact source:** ISI **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact index in year of publication:** 4.619 **Journal in the top 25%:** Yes  
**Position of publication:** 8 **No. of journals in the cat.:** 76
- 37** S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO. A multi-physics ensemble of regional climate change projections over the Iberian Peninsula. CLIMATE DYNAMICS. 41 - 7-8, pp. 1749 - 1768. 2013. Available on-line at: <<http://doi.org/10.1007/s00382-012-1551-5>>. ISSN 0930-7575  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Corresponding author:** No  
**Total no. authors:** 6 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 4.619 **No. of journals in the cat.:** 76  
**Position of publication:** 8
- 38** R. GONZALEZ-VILLANUEVA; S. COSTAS; M. PEREZ-ARLUCEA; S. JEREZ; R.M. TRIGO. Impact of atmospheric circulation patterns on the mobilization and stabilization of coastal dunes, NW Spain. GEOMORPHOLOGY. 185, pp. 96 - 109. 2013. Available on-line at: <<http://doi.org/10.1016/j.geomorph.2012.12.019>>. ISSN 0169-555X  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 4 **Corresponding author:** No  
**Total no. authors:** 5 **Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 2.577 **No. of journals in the cat.:** 174  
**Position of publication:** 41
- 39** S. JEREZ; P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; R.M. TRIGO. Impact of the North Atlantic Oscillation on European aerosol ground levels through local processes: a seasonal model-based assessment using fixed anthropogenic emissions. ATMOSPHERIC CHEMISTRY AND PHYSICS. 13, pp. 11195 - 11207. 2013. Available on-line at: <<http://doi.org/10.5194/acp-13-11195-2013>>. ISSN 1680-7316  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Corresponding author:** Yes  
**Total no. authors:** 4 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 5.298 **No. of journals in the cat.:** 76  
**Position of publication:** 3
- 40** S. JEREZ; R.M. TRIGO; A. SARSA; R. LORENTE-PLAZAS; D. POZO-VAZQUEZ; J.P. MONTAVEZ. Spatio-temporal complementarity between solar and wind power in the Iberian Peninsula. ENERGY PROCEDIA. 40, pp. 48 - 57. 2013. Available on-line at: <<http://doi.org/10.1016/j.egypro.2013.08.007>>. ISSN 1876-6102



**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 6  
**Impact source:** SCOPUS  
**Impact index in year of publication:** 1.44  
**Position of publication:** 16

**Format:** Journal

**Corresponding author:** Yes  
**Category:** Energy (miscellaneous)  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 59

- 41** S. JEREZ; R.M. TRIGO; S.M. VICENTE-SERRANO; D. POZO-VAZQUEZ; R. LORENTE-PLAZAS; J. LORENZO-LACRUZ; F.J. SANTOS-ALAMILLOS; J.P. MONTAVEZ. The impact of the North Atlantic Oscillation on the renewable energy resources in southwestern Europe. JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY. 52, pp. 2204 - 2225. 2013. Available on-line at: <<http://doi.org/10.1175/JAMC-D-12-0257.1>>. ISSN 1558-8424

**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 8  
**Impact source:** ISI  
**Impact index in year of publication:** 2.099  
**Position of publication:** 31

**Format:** Journal

**Corresponding author:** Yes  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 76

- 42** S. JEREZ; R.M. TRIGO. Time-scale and extent at which large-scale circulation modes determine the wind and solar potential in the Iberian Peninsula. ENVIRONMENTAL RESEARCH LETTERS. 8 - 044035, 2013. Available on-line at: <<http://doi.org/10.1088/1748-9326/8/4/044035>>. ISSN 1748-9326

**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 2  
**Impact source:** ISI  
**Impact index in year of publication:** 4.09  
**Position of publication:** 19

**Format:** Journal

**Corresponding author:** Yes  
**Category:** Science Edition - ENVIRONMENTAL SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 216

- 43** P. JIMENEZ-GUERRERO; S. JEREZ; J.P. MONTAVEZ; R.M. TRIGO. Uncertainties in future ozone and PM10 projections over Europe from a regional climate multiphysics ensemble. GEOPHYSICAL RESEARCH LETTERS. 40, pp. 5764 - 5769. 2013. Available on-line at: <<http://doi.org/10.1002/2013GL057403>>. ISSN 0094-8276

**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 4  
**Impact source:** ISI  
**Impact index in year of publication:** 4.456  
**Position of publication:** 9

**Format:** Journal

**Corresponding author:** No  
**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 174

- 44** J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO. A seasonal study of the atmospheric dynamic over the Iberian Peninsula based on circulation types. THEORETICAL AND APPLIED CLIMATOLOGY. 110 - 1-2, pp. 291 - 310. 2012. Available on-line at: <<http://doi.org/10.1007/s00704-012-0623-0>>. ISSN 0177-798X

**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 6  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** No



**Impact index in year of publication:** 1.759  
**Position of publication:** 34

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 74

- 45** P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS. Impacts of climate change on ground level gas-phase pollutants and aerosols in the Iberian Peninsula for the late XXI century. ATMOSPHERIC ENVIRONMENT. 55, pp. 483 - 495. 2012. Available on-line at: <<http://doi.org/10.1016/j.atmosenv.2012.02.04>>. ISSN 1352-2310

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 5  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** No

**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 74

**Impact index in year of publication:** 3.11  
**Position of publication:** 17

- 46** J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO; S. JEREZ; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO; E. ZORITA. Internal and external variability in regional simulations of the Iberian Peninsula climate over the last millennium. CLIMATE OF THE PAST. 8, pp. 25 - 36. 2012. Available on-line at: <<http://doi.org/10.5194/cp-8-25-2012>>. ISSN 1814-9324

**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 7  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** No

**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 172

**Impact index in year of publication:** 3.556  
**Position of publication:** 16

- 47** S. COSTAS; S. JEREZ; R.M. TRIGO; R. GLOBE; L. REBELO. Sand invasion along the Portuguese coast forced by westerly shifts during cold climate events. QUATERNARY SCIENCE REVIEWS. 42, pp. 15 - 28. 2012. Available on-line at: <<http://doi.org/10.1016/j.quascirev.2012.03.008>>. ISSN 0277-3791

**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** No

**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 172

**Impact index in year of publication:** 4.076  
**Position of publication:** 9

- 48** S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; P.A. JIMENEZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO. The role of the land-surface model for climate change projections over the Iberian Peninsula. JOURNAL OF GEOPHYSICAL RESEARCH. 117 - D01109, 2012. Available on-line at: <<http://doi.org/10.1029/2011JD016576>>. ISSN 0148-0227

**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 7  
**Impact source:** ISI

**Format:** Journal

**Corresponding author:** Yes

**Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes

**Impact index in year of publication:** 3.174



**Position of publication:** 23**No. of journals in the cat.:** 172

- 49** J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; E. ZORITA. What is the role of the observational dataset in the evaluation and scoring of climate models?. GEOPHYSICAL RESEARCH LETTERS. 39 - L24701, 2012. Available on-line at: <<http://doi.org/10.1029/2012GL054206>>. ISSN 0094-8276  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3  
**Total no. authors:** 5 **Corresponding author:** No  
**Impact source:** ISI **Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Impact index in year of publication:** 3.982 **Journal in the top 25%:** Yes  
**Position of publication:** 11 **No. of journals in the cat.:** 172
- 50** J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO; E. ZORITA. A regional climate simulation over the Iberian Peninsula for the last millennium. CLIMATE OF THE PAST. 7, pp. 451 - 472. 2011. Available on-line at: <<http://doi.org/10.5194/cp-7-451-2011>>. ISSN 1814-9324  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3 **Corresponding author:** No  
**Total no. authors:** 7 **Category:** Science Edition - GEOSCIENCES, MULTIDISCIPLINARY  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 3.884 **No. of journals in the cat.:** 170  
**Position of publication:** 11
- 51** P. JIMENEZ-GUERRERO; O. JORBA; M.T. PAY; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J. BALDASANO. Comparison of two different sea-salt aerosol schemes as implemented in air quality models applied to the Mediterranean Basin. ATMOSPHERIC CHEMISTRY AND PHYSICS. 11, pp. 4833 - 4850. 2011. Available on-line at: <<http://doi.org/10.5194/acp-11-4833-2011>>. ISSN 1680-7316  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 5 **Corresponding author:** No  
**Total no. authors:** 7 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 5.52 **No. of journals in the cat.:** 71  
**Position of publication:** 2
- 52** P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ. Isolating the effects of climate change in the variation of secondary inorganic aerosols (SIA) in Europe for the 21st century (1991-2100). ATMOSPHERIC ENVIRONMENT. 45, pp. 1059 - 1063. 2011. Available on-line at: <<http://doi.org/10.1016/j.atmosenv.2010.11.022>>. ISSN 1352-2310  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3 **Corresponding author:** No  
**Total no. authors:** 6 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** Yes  
**Impact index in year of publication:** 3.465 **No. of journals in the cat.:** 71  
**Position of publication:** 10



- 53** S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; J.M. JIMENEZ; J.F. GONZALEZ-ROUCO. Temperature sensitivity to the land-surface model in MM5 climate simulations over the Iberian Peninsula. METEOROLOGISCHE ZEITSCHRIFT. 19 - 4, pp. 363 - 374. 2010. Available on-line at: <<http://doi.org/10.1127/0941-2948/2010/0473>>. ISSN 0941-2948
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1  
**Total no. authors:** 6 **Corresponding author:** No  
**Impact source:** ISI **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact index in year of publication:** 1.402 **Journal in the top 25%:** No  
**Position of publication:** 41 **No. of journals in the cat.:** 68
- 54** J.J GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO. Warming patterns in regional climate change projections over the Iberian Peninsula. METEOROLOGISCHE ZEITSCHRIFT. 19 - 3, pp. 275 - 285. 2010. Available on-line at: <<http://doi.org/10.1127/0941-2948/2010/0351>>. ISSN 0941-2948
- Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 3 **Corresponding author:** No  
**Total no. authors:** 6 **Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Impact source:** ISI **Journal in the top 25%:** No  
**Impact index in year of publication:** 1.402 **No. of journals in the cat.:** 68  
**Position of publication:** 41
- 55** L. PALACIOS-PEÑA; P. JIMÉNEZ-GUERRERO; R. BARÓ; S. JEREZ; J.M. LÓPEZ-ROMERO; J.J. GÓMEZ-NAVARRO; R. LORENTE-PLAZAS; J.P. MONTÁVEZ. Aerosol-radiation-clouds-precipitation interactions during dust outbreaks over the Mediterranean: a climate perspective within the repair project. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 887 - 895. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6
- Legal deposit:** M 31442-2018 **Format:** Book  
**Type of production:** Book chapter **Corresponding author:** No  
**Position of signature:** 4  
**Total no. authors:** 8
- 56** M. TURCO; M. CORTÉS; P. QINTANA-SEGUI; S. JEREZ; M.C. LLASAT; L. ALFIERI. Changes in meteo-hydrological extremes in Spain at different levels of global warming. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 449 - 458. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6
- Legal deposit:** M 31442-2018 **Format:** Book  
**Type of production:** Book chapter **Corresponding author:** No  
**Position of signature:** 4  
**Total no. authors:** 6
- 57** M. CARREÑO; R. LORENTE-PLAZAS; S. JEREZ; J.P. MONTAVEZ. Clasificación de situaciones sinópticas asociadas a vientos extremos en la Península Ibérica. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 549 - 558. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6
- Legal deposit:** M 31442-2018 **Format:** Book  
**Type of production:** Book chapter **Corresponding author:** No  
**Position of signature:** 3  
**Total no. authors:** 4



- 58** J.J. ROSA-CÁNOVAS; M. TURCO; S. JEREZ; J.P. MONTÁVEZ. Estudio de las proyecciones de futuro en sequía e incendios en la zona mediterránea. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 861 - 872. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6  
**Legal deposit:** M 31442-2018  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 3  
**Total no. authors:** 4 **Corresponding author:** No
- 59** J. JIMÉNEZ-GUTIÉRREZ; J.P. MONTÁVEZ; S. JEREZ; F. VALERO. Sensibilidad a la fracción de cubierta vegetal en modelos climáticos regionales. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 987 - 998. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6  
**Legal deposit:** M 31442-2018  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 3  
**Total no. authors:** 4 **Corresponding author:** No
- 60** S. JEREZ; R. LORENTE-PLAZAS; M. TURCO; J.A. GARCÍA-VALERO; P. JIMÉNEZ-GUERRERO; R.J. SOLER; J.P. MONTÁVEZ. Un método simple para el diseño de escenarios óptimos de instalaciones eólicas y fotovoltaicas. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 633 - 644. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6  
**Legal deposit:** M 31442-2018  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 1  
**Total no. authors:** 7 **Corresponding author:** Yes
- 61** J.M. LÓPEZ-ROMERO; J.J. GÓMEZ-NAVARRO; L. PALACIOS-PEÑA; R. LORENTE-PLAZAS; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ; S. JEREZ. ¿Cuánto tiempo de spin-up es realmente necesario para simulaciones climáticas regionales?. EL CLIMA: AIRE, AGUA, TIERRA Y FUEGO. pp. 908 - 914. Publicaciones de la Asociación Española de Climatología, Serie A, No 11, 2018. ISBN 978-84-7837-098-6  
**Legal deposit:** M 31442-2018  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 7  
**Total no. authors:** 7 **Corresponding author:** No
- 62** L. PALACIOS-PEÑA; R. BARÓ; J.N. LÓPEZ-ROMERO; A. LÓPEZ-VILLAGRA; S. JEREZ; J.P. MONTÁVEZ; P. JIMÉNEZ-GUERRERO. Assessment of aerosol-radiation (ARI) and aerosol-cloud (ACI) interactions from dust: modelled dust optical properties and remote sensing observations. AIR POLLUTION MODELING AND ITS APPLICATION XXV. pp. 183 - 187. Springer, 2017. Available on-line at: <<http://dx.doi.org/10.1007/978-3-319-57645-9>>. ISBN 978-3-319-57645-9  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 5  
**Total no. authors:** 7 **Corresponding author:** No
- 63** C. AZORIN-MOLINA; J.A. GUIJARRO; T.R. MCVICAR; S. VICENTE-SERRANO; L. MINOLA; D. CHEN; S. JEREZ; F. ESPIRITO-SANTO. Tendencias de las rachas máximas diarias de velocidad del viento en España y Portugal. CLIMA, SOCIEDAD, RIESGOS Y ORDENACIÓN DEL TERRITORIO. pp. 37 - 46. Publicaciones de la Asociación Española de Climatología, Serie A, No 10, 2016. ISBN 978-84-16724-19-2  
**Legal deposit:** A 546-2016  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 7  
**Total no. authors:** 8 **Corresponding author:** No



- 64** J.P. MONTAVEZ; R. LORENTE-PLAZAS; S. JEREZ; P. JIMENEZ-GUERRERO; J.A. GARCIA-VALERO; P.A. JIMENEZ. Climatología del viento sobre la Península Ibérica: observaciones y modelos. CAMBIO CLIMÁTICO Y CAMBIO GLOBAL. pp. 675 - 685. Publicaciones de la Asociación Española de Climatología, Serie A, No 9, 2014. ISBN 978-84-16027-69-9  
**Legal deposit:** AL-1067-2014  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 3  
**Total no. authors:** 6 **Corresponding author:** No
- 65** C. AZORIN-MOLINA; S.M. VICENTE-SERRANO; T.R. McVICAR; S. JEREZ; A. SANCHEZ-LORENZO; J.I. LOPEZ-MORENO; J. REVUELTO; R.M. TRIGO; J.A. LOPEZ-BUSTINS; F. ESPIRITO-SANTO. Homogenización y tendencias de la velocidad de viento en España y Portugal, 1961-2011. CAMBIO CLIMÁTICO Y CAMBIO GLOBAL. pp. 23 - 34. Publicaciones de la Asociación Española de Climatología, Serie A, No 9, 2014. ISBN 978-84-16027-69-9  
**Legal deposit:** AL-1067-2014  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 4  
**Total no. authors:** 10 **Corresponding author:** No
- 66** A. SÁ; A. BENALI; R. PINTO; P.M. FERNANDES; A. RUSSO; F. SANTOS; R.M. TRIGO; J.M. PEREIRA; S. JEREZ; C. DA CAMARA. Improving wildfire spread simulations using MODIS active fires: the FIRE-MODSAT project. ADVANCES IN FOREST FIRE RESEARCH. pp. 811 - 822. Imprensa da Universidade de Coimbra, 2014. Available on-line at: <[http://doi.org/10.14195/978-989-26-0884-6\\_90](http://doi.org/10.14195/978-989-26-0884-6_90)>. ISBN 978-989-26-0884-6  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 9  
**Total no. authors:** 10 **Corresponding author:** No
- 67** S. JEREZ; J.M. LOPEZ-ROMERO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.P. MONTAVEZ. Proyecciones a medio plazo de cambios climáticos en los recursos solar y eólico sobre la Península Ibérica. CAMBIO CLIMÁTICO Y CAMBIO GLOBAL. pp. 665 - 674. Publicaciones de la Asociación Española de Climatología, Serie A, No 9, 2014. ISBN 978-84-16027-69-9  
**Legal deposit:** AL-1067-2014  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 1  
**Total no. authors:** 5 **Corresponding author:** Yes
- 68** P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.P. MONTAVEZ. Future air pollution in Europe from a multi-physics ensemble of climate change-air quality projections. AIR POLLUTION MODELING AND ITS APPLICATION XXII. pp. 3 - 6. NATO Science for Peace and Security Series C, Springer Netherlands, 2013. Available on-line at: <<http://doi.org/10.1007/978-94-007-5577-2>>. ISBN 978-94-007-5576-5  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 2  
**Total no. authors:** 5 **Corresponding author:** No
- 69** J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. BARO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO. Análisis del papel de la elección de la base de datos reticular observacional en la evaluación de modelos climáticos regionales. CAMBIO CLIMÁTICO, EXTREMOS E IMPACTOS. pp. 153 - 163. Publicaciones de la Asociación Española de Climatología, Serie A, No 8, 2012. ISBN 978-84-695-4331-3  
**Legal deposit:** S-545-2012  
**Type of production:** Book chapter **Format:** Book  
**Position of signature:** 3  
**Total no. authors:** 7 **Corresponding author:** No



- 70** S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS. Análisis de extremos de temperatura en un conjunto de proyecciones de cambio climático. CLIMA, CIUDAD Y ECOSISTEMAS. pp. 139 - 150. Publicaciones de la Asociación Española de Climatología, Serie A, No 7, 2010. ISBN 978-84-7628-658-6  
**Legal deposit:** NA-3063-2010  
**Type of production:** Book chapter  
**Position of signature:** 1  
**Total no. authors:** 5  
**Format:** Book  
**Corresponding author:** Yes
- 71** P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ. Impacts of climate change on air quality levels in southwestern Europe for the 21st century. PROCEEDINGS OF THE 13TH INTERNATIONAL CONFERENCE ON HARMONISATION WITHIN ATMOSPHERIC DISPERSION MODELLING FOR REGULATORY PURPOSES. pp. 327 - 331. Armand Albergel (Ed.), ARIA Technologies, 2010. ISBN 2-8681-5062-4  
**Type of production:** Book chapter  
**Position of signature:** 2  
**Total no. authors:** 6  
**Format:** Book  
**Corresponding author:** No
- 72** J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO. Incertidumbres en las proyecciones de cambio climático. CAMBIO CLIMÁTICO EN LA REGIÓN DE MURCIA. pp. 39 - 45. Publicaciones de la Consejería de Agricultura y Agua de la Región de Murcia, 2010. ISBN 978-84-693-8114-4  
**Legal deposit:** MU-1795-2010  
**Type of production:** Book chapter  
**Position of signature:** 2  
**Total no. authors:** 5  
**Format:** Book  
**Corresponding author:** No
- 73** J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS. Reconstrucciones paleoclimáticas de la Península Ibérica desde una perspectiva de modelización. CLIMA, CIUDAD Y ECOSISTEMAS. pp. 95 - 105. Publicaciones de la Asociación Española de Climatología, Serie A, No 7, 2010. ISBN 978-84-7628-658-6  
**Legal deposit:** NA-3063-2010  
**Type of production:** Book chapter  
**Position of signature:** 3  
**Total no. authors:** 5  
**Format:** Book  
**Corresponding author:** No
- 74** J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO. Cambio climático y energía. SOSTENIBILIDAD AMBIENTAL EN LA REGIÓN DE MURCIA. pp. 188 - 197. Ediciones de la Universidad de Murcia, 2009. ISBN 978-84-8371-915-2  
**Legal deposit:** MU-2528-2009  
**Type of production:** Book chapter  
**Position of signature:** 2  
**Total no. authors:** 4  
**Format:** Book  
**Corresponding author:** No
- 75** M. GAETANI; A. CEGLAR; A. DIEDHIOU; S. JEREZ; B. RODRÍGUEZ-FONSECA; B. SULTAN. Editorial: (10 years) Water-energy-food nexus: Impact of climate variability and change on the water-energy-food nexus. FRONTIERS IN CLIMATE. 5, pp. 1137710. 2023. Available on-line at: <<https://doi.org/10.3389/fclim.2023.1137710>>. ISSN 2624-9553  
**Type of production:** Editorial article  
**Position of signature:** 4  
**Total no. authors:** 6  
**Impact source:** SCOPUS  
**Impact index in year of publication:** 3.3  
**Corresponding author:** No  
**Category:** Environmental Science (miscellaneous)  
**Journal in the top 25%:** No

**Position of publication:** 64**No. of journals in the cat.:** 163

- 76** S. GOSLING; H. MÜLLER; R. BETTS; J. CHANG; P. CIAIS; R. DANKERS; P. DÖLL; S. EISNER; M. FLÖRKE; D. GERTEN; M. GRILLAKIS; N. HANASAKI; S. HAGEMANN; M. HUANG; Z. HUANG; S. JEREZ; et AL.. ISIMIP2a Simulation Data from Water (global) Sector. GFZ Data Services. 2017. Available on-line at: <<http://doi.org/10.5880/PIK.2017.010>>.  
**Type of production:** Scientific data  
**Position of signature:** 16  
**Total no. authors:** 40  
**Corresponding author:** No
- 77** J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO. Climate change projections for the XXI century over the Iberian Peninsula using dynamical downscaling. PROCEEDINGS OF THE 2ND INTERNATIONAL LUND RCM WORKSHOP: 21TH CENTURY CHALLENGES IN REGIONAL-SCALE CLIMATE MODELLING. pp. 25 - 26. International BALTEX Secretariat Publications, No 41, 2009. Available on-line at: <<http://www.baltex-research.eu/RCM2009>>. ISSN 1681-6471  
**Type of production:** Proceedings  
**Position of signature:** 3  
**Total no. authors:** 4  
**Format:** Journal  
**Corresponding author:** No
- 78** S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; J.F. GONZALEZ-ROUCO. Influence of soil moisture-near surface temperature feedback on present and future climate simulations over the Iberian Peninsula. PROCEEDINGS OF THE 2ND INTERNATIONAL LUND RCM WORKSHOP: 21TH CENTURY CHALLENGES IN REGIONAL-SCALE CLIMATE MODELLING. pp. 261 - 262. International BALTEX Secretariat Publications, No 41, 2009. Available on-line at: <<http://www.baltex-research.eu/RCM2009>>. ISSN 1681-6471  
**Type of production:** Proceedings  
**Position of signature:** 1  
**Total no. authors:** 5  
**Format:** Journal  
**Corresponding author:** Yes
- 79** S. JEREZ; J.P. MONTAVEZ; D. GIMENEZ. Optimizing the execution of a parallel meteorology simulation code. PROCEEDINGS OF THE 23RD IEEE INTERNATIONAL PARALLEL AND DISTRIBUTED PROCESSING SYMPOSIUM. pp. 1 - 6. Institute of Electrical and Electronics Engineers (IEEE) Publications, 2009. Available on-line at: <<http://doi.org/10.1109/IPDPS.2009.5161154>>. ISSN 1530-2075  
**Type of production:** Proceedings  
**Position of signature:** 1  
**Total no. authors:** 3  
**Format:** Journal  
**Corresponding author:** Yes
- 80** P. JIMENEZ-GUERRERO; S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO. Regional climate change projections using a physics ensemble over the Iberian Peninsula. PROCEEDINGS OF THE 2ND INTERNATIONAL LUND RCM WORKSHOP: 21TH CENTURY CHALLENGES IN REGIONAL-SCALE CLIMATE MODELLING. pp. 130 - 131. International BALTEX Secretariat Publications, No 41, 2009. Available on-line at: <<http://www.baltex-research.eu/RCM2009>>. ISSN 1681-6471  
**Type of production:** Proceedings  
**Position of signature:** 2  
**Total no. authors:** 6  
**Format:** Journal  
**Corresponding author:** No

## Works submitted to national or international conferences

- 1** **Title of the work:** Urban Contribution to Optimized Energy Transition Pathways: a Pilot Study over the Canary Islands  
**Name of the conference:** International Conference “Sustainable Built Environment and Urban Transition”  
**Type of participation:** Participatory - oral communication  
**City of event:** Växjö, Sweden  
**Date of event:** 12/10/2023  
**End date:** 13/10/2023  
S. JEREZ; J. CARRILLO; A. GONZÁLEZ; J.P. DÍAZ; J.C. PÉREZ-DARÍAS; J.P. MONTÁVEZ; V. GALLARDO; M. CATALDI; N. ESPINOSA.
- 2** **Title of the work:** An action-oriented approach to make the most of the wind and solar power complementarity  
**Name of the conference:** 9th International Conference on Meteorology and Climatology of the Mediterranean  
**Type of participation:** Participatory - oral communication  
**City of event:** Genoa, Italy  
**Date of event:** 22/05/2023  
**End date:** 24/05/2023  
S. JEREZ; D. BARRIOPEDRO; A. GARCÍA-LÓPEZ; R. LORENTE-PLAZAS; A.M. SOMOZA; M. TURCO; J. CARRILLO; N. ESPINOSA; R.M. TRIGO.
- 3** **Title of the work:** Evolution and synchronicity of fire weather index in Europe  
**Name of the conference:** 9th International Conference on Meteorology and Climatology of the Mediterranean  
**Type of participation:** Participatory - poster  
**City of event:** Genoa, Italy  
**Date of event:** 22/05/2023  
**End date:** 24/05/2023  
A. GINCHEVA-NORCHEVA; A. MORENO; S. JEREZ; M. TURCO.
- 4** **Title of the work:** On the fires responses to climate variability and change: the ONFIRE project  
**Name of the conference:** 9th International Conference on Meteorology and Climatology of the Mediterranean  
**Type of participation:** Participatory - oral communication  
**City of event:** Genoa, Italy  
**Date of event:** 22/05/2023  
**End date:** 24/05/2023  
M. TURCO; A. GINCHEVA-NORCHEVA; M.A. TORRES-VÁZQUEZ; S. JEREZ.
- 5** **Title of the work:** On the inaccuracy of CMIP6 models in capturing the observed long-term variability of the NAO  
**Name of the conference:** 9th International Conference on Meteorology and Climatology of the Mediterranean  
**Type of participation:** Participatory - oral communication  
**City of event:** Genoa, Italy  
**Date of event:** 22/05/2023  
**End date:** 24/05/2023



A. HALIFA-MARIN; M.A. TORRES-VÁZQUEZ; E. PRAVIA-SARABIA; R.M. TRIGO; S.M. VICENTE-SERRANO; S. JEREZ; M. TURCO; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ.

- 6** **Title of the work:** Assessing fire danger synchronicity in Europe  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 23/04/2023  
**End date:** 28/04/2023  
A. GINCHEVA-NORCHEVA; A. MORENO; S. JEREZ; J.P. MONTÁVEZ; M. TURCO.
- 7** **Title of the work:** On the inaccuracy of CMIP6 models in capturing the observed long-term variability of the NAO  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 23/04/2023  
**End date:** 28/04/2023  
A. HALIFA-MARÍN; M.A. TORRES-VÁZQUEZ; E. PRAVIA-SARABIA; R.M. TRIGO; S.M. VICENTE-SERRANO; M. TURCO; S. JEREZ; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ.
- 8** **Title of the work:** The ONFIRE project - on the response of fires to climate variability and change  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 23/04/2023  
**End date:** 28/04/2023  
M. TURCO; A. GINCHEVA-NORCHEVA; M.A. TORRES-VÁZQUEZ; S. JEREZ.
- 9** **Title of the work:** An action-oriented, data science-driven approach to make the most of the wind and solar power complementarity  
**Name of the conference:** American Physical Society (APS) March Meeting  
**Type of participation:** Participatory - poster  
**City of event:** Las Vegas, United States of America  
**Date of event:** 05/03/2023  
**End date:** 10/03/2023  
S. JEREZ; D. BARRIOPEDRO; A. GARCÍA-LÓPEZ; R. LORENTE-PLAZAS; A.M. SOMOZA; J. CARRILLO; R.M. TRIGO.
- 10** **Title of the work:** The year-to-year variation in the global burned area explained by climatic factors  
**Name of the conference:** 12º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Santiago de Compostela, Spain  
**Date of event:** 19/10/2022  
**End date:** 21/10/2022  
A. GINCHEVA; S. JEREZ; J.G. PAUSAS; J. BEDÍA; S.M. VICENTE-SERRANO; A. PROVENZALE; E. CHUVIECO; J. ABATZOGLOU; M. TURCO.
- 11** **Title of the work:** An action-oriented approach to make the most of the wind and solar power complementarity  
**Name of the conference:** European Geosciences Union (EGU) General Assembly





**Type of participation:** Participatory - oral communication

**City of event:** Wien, Austria

**Date of event:** 23/05/2022

**End date:** 27/05/2022

S. JEREZ; D. BARRIOPEDRO; A. GARCÍA-LÓPEZ; R. LORENTE-PLAZAS; A.M. SOMOZA; M. TURCO; R.M. TRIGO.

**12 Title of the work:** Climatic drivers explain the interannual variability of the global burned area

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - oral communication

**City of event:** Wien, Austria

**Date of event:** 23/05/2022

**End date:** 27/05/2022

A. GINCHEVA-NORCHEVA; S. JEREZ; J.G. PAUSAS; J. BEDÍA; S.M. VICENTE-SERRANO; A. PROVENZALE; E. CHUVIECO; J. ABATZOGLOU; M. TURCO.

**13 Title of the work:** Recent and future intense fire seasons in the Mediterranean basin: the increasing role of droughts and heatwaves

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - oral communication

**City of event:** Wien, Austria

**Date of event:** 23/05/2022

**End date:** 27/05/2022

R.M. TRIGO; M. TURCO; S. JEREZ; P. SOUSA; A. RUSSO; A. PROVENZALE; E. CHUVIECO; J. ABATZOGLOU; M. TURCO; J. RUFFAULT.

**14 Title of the work:** The interannual variability of global burned area is mostly explained by climatic drivers

**Name of the conference:** Third International Conference on Fire Behavior and Risk

**Type of participation:** Participatory - oral communication

**City of event:** Alghero, Italy

**Date of event:** 03/05/2022

**End date:** 06/05/2022

A. GINCHEVA; S. JEREZ; J.G. PAUSAS; J. BEDÍA; S.M. VICENTE-SERRANO; A. PROVENZALE; E. CHUVIECO; J. ABATZOGLOU; M. TURCO.

**15 Title of the work:** Approaching the stability of the joint solar photovoltaic and wind power electricity production across European regions by optimal shares and spatial distributions of the installations

**Name of the conference:** American Geophysical Union (AGU) Fall Meeting

**Type of participation:** Participatory - invited/keynote talk

**City of event:** New Orleans, United States of America

**Date of event:** 13/12/2021

**End date:** 17/12/2021

S. JEREZ; D. BARRIOPEDRO; A. GARCÍA-LÓPEZ; R. LORENTE-PLAZAS; M. TURCO; R.M. TRIGO.

**16 Title of the work:** Evaluation and applicability of the spatio-temporal complementarity of the solar and wind resources for the optimized design of renewable energy scenarios

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - oral communication

**City of event:** Wien, Austria

**Date of event:** 04/05/2020

**End date:** 08/05/2020



S. JEREZ; J. MELLADO; R. LORENTE-PLAZAS; P. JIMÉNEZ-GUERRERO; J.A. GARCÍA-VALERO; J.P. MONTÁVEZ.

- 17** **Title of the work:** Unusual Atmospheric-River-like structures coming from Africa induce extreme precipitation over western Mediterranean Sea  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 04/05/2020  
**End date:** 08/05/2020  
R. LORENTE-PLAZAS; A.M. RAMOS; J.P. MONTÁVEZ; S. JEREZ; R.M. TRIGO; P. JIMÉNEZ-GUERRERO.
- 18** **Title of the work:** Teleconnections between NAO, EA, and SCAND and groundwater levels in Portugal  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** San Francisco, United States of America  
**Date of event:** 09/12/2019  
**End date:** 13/12/2019  
M.C. NEVES; S. JEREZ; R.M. TRIGO.
- 19** **Title of the work:** Effect of aerosol-radiation and aerosol-cloudinteractions in the simulation of photovoltaic and wind power using regional climate models  
**Name of the conference:** International Conference on Regional Climate - CORDEX  
**Type of participation:** Participatory - oral communication  
**City of event:** Beijing, China  
**Date of event:** 14/10/2019  
**End date:** 18/10/2019  
S. JEREZ; J.M. LOPEZ-ROMERO; B. LAJARIN; R. LORENTE-PLAZAS; L. PALACIOS-PEÑA; P. JIMENEZ-GUERRERO; J.P. MONTAVEZ.
- 20** **Title of the work:** Teleconnections between NAO, EA, and SCAND and groundwater levels in Portugal  
**Name of the conference:** 46th Congress of the International Association of Hydrogeologists  
**Type of participation:** Participatory - oral communication  
**City of event:** Málaga, Spain  
**Date of event:** 22/09/2019  
**End date:** 27/09/2019  
M.C. NEVES; S. JEREZ; R.M. TRIGO.
- 21** **Title of the work:** Impacts of cloud-aerosols-radiation interactions on Atmospheric Rivers hitting European Atlantic coast as simulated by RCMs  
**Name of the conference:** European Meteorological Society Annual Meeting / European Conference for Applied Meteorology and Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Copenhagen, Denmark  
**Date of event:** 09/09/2019  
**End date:** 13/09/2019  
R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO; J.M. LOPEZ-ROMERO; L. PALACIOS-PEÑA; S. JEREZ; J.P. MONTAVEZ.

- 22** **Title of the work:** Importance of fully interactive aerosols in regional climate modeling for renewable energy resource evaluations  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 07/04/2019  
**End date:** 12/04/2019  
B. LAJARIN; S. JEREZ; R. LORENTE-PLAZAS; L. PALACIOS-PEÑA; J.M. LÓPEZ-ROMERO; J.P. MONTÁVEZ; P. JIMENEZ-GUERRERO.
- 23** **Title of the work:** On the relevance of the atmospheric-chemistry processes for droughts modeling over Europe  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Wien, Austria  
**Date of event:** 07/04/2019  
**End date:** 12/04/2019  
M.A. TORRES-VAZQUEZ; A. HALIFA-MARIN; R. LORENTE-PLAZAS; M. TURCO; J.M. LÓPEZ-ROMERO; L. PALACIOS-PEÑA; S. JEREZ; J.P. MONTÁVEZ; P. JIMENEZ-GUERRERO.
- 24** **Title of the work:** FIRECAST: long-term FIRE foreCAST  
**Name of the conference:** BRIGAD Meeting: Marketplace  
**Type of participation:** 'Participatory - poster  
**City of event:** Cartagena, Spain  
**Date of event:** 18/10/2018  
**End date:** 18/10/2018  
M. TURCO; S. JEREZ; F.J. DOBLAS-REYES; A. AGHAKOUCHAK; M.C. LLASAT; A. PROVENZALE.
- 25** **Title of the work:** A simple stepwise approach to fit the wind plus PV power production to the electricity demand based on clustering techniques and multi-linear regression models  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** 'Participatory - poster  
**City of event:** Cartagena, Spain  
**Date of event:** 17/10/2018  
**End date:** 19/10/2018  
S. JEREZ; R. LORENTE-PLAZAS; B. LAJARÍN; M. TURCO; J.A. GARCÍA-VALERO; P. JIMÉNEZ-GUERRERO; R.J. SOLER; J.P. MONTÁVEZ.
- 26** **Title of the work:** Aerosol-radiation-clouds-precipitation interactions during dust outbreaks over the Mediterranean: a climate perspective within the repair project  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena, Spain  
**Date of event:** 17/10/2018  
**End date:** 19/10/2018  
L. PALACIOS-PEÑA; P. JIMÉNEZ-GUERRERO; R. BARÓ; S. JEREZ; J.M. LOPEZ-ROMERO; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.P. MONTÁVEZ.
- 27** **Title of the work:** Changes in meteo-hydrological extremes in Spain at different levels of global warming  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** 'Participatory - poster  
**City of event:** Cartagena, Spain



**Date of event:** 17/10/2018

**End date:** 19/10/2018

M. TURCO; M. CORTES; P. QINTANA-SEGUI; S. JEREZ; M.C. LLASAT; L. ALFIERI.

- 28** **Title of the work:** Estudio de las proyecciones de futuro en sequía e incendios en la zona mediterránea  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena, Spain  
**Date of event:** 17/10/2018  
**End date:** 19/10/2018  
J.J. ROSA-CÁNOVAS; M. TURCO; J.P. MONTÁVEZ; S. JEREZ.
- 29** **Title of the work:** Improving the representation of Mediterranean heatwaves in coupled regional chemistry/climate models  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena, Spain  
**Date of event:** 17/10/2018  
**End date:** 19/10/2018  
P. JIMÉNEZ-GUERRERO; L. PALACIOS-PEÑA; S. JEREZ; J.J. GOMEZ-NAVARRO; J.M. LOPEZ-ROMERO; R. LORENTE-PLAZAS; J.P. MONTÁVEZ.
- 30** **Title of the work:** ¿Cuánto tiempo de spin-up es realmente necesario para simulaciones climáticas regionales?  
**Name of the conference:** 11º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Cartagena, Spain  
**Date of event:** 17/10/2018  
**End date:** 19/10/2018  
J.M. LOPEZ-ROMERO; J.J. GOMEZ-NAVARRO; L. PALACIOS-PEÑA; R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; S. JEREZ.
- 31** **Title of the work:** Un método simple para el diseño de escenarios óptimos de instalaciones eólicas y fotovoltaicas  
**Name of the conference:** IV Encuentro de Ingeniería de la Energía del Campus Mare Nostrum  
**Type of participation:** Participatory - oral communication  
**City of event:** Murcia, Spain  
**Date of event:** 19/09/2018  
**End date:** 20/09/2018  
S. JEREZ; R. LORENTE-PLAZAS; M. TURCO; J.A. GARCÍA-VALERO; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ.
- 32** **Title of the work:** Climate change impacts on summer fires in Mediterranean Europe  
**Name of the conference:** MedCLIVAR 2018  
**Type of participation:** Participatory - poster  
**City of event:** Belgrade, Serbia  
**Date of event:** 18/09/2018  
**End date:** 21/09/2018  
M. TURCO; J. BEDIA; S. JEREZ; M.C. LLASAT; A. PROVENZALE; J.J. ROSA-CANOVAS.



- 33** **Title of the work:** Variability of combined wind-plus-solar power production in Europe under climate change conditions  
**Name of the conference:** European Meteorological Society Annual Meeting / European Conference for Applied Meteorology and Climatology  
**Type of participation:** 'Participatory - poster  
**City of event:** Budapest, Hungary  
**Date of event:** 03/09/2018  
**End date:** 07/09/2018  
S. JEREZ; I. TOBIN; M. TURCO; J.M. LÓPEZ-ROMERO; J.P. MONTÁVEZ; P. JIMÉNEZ-GUERRERO; R. VAUTARD.
- 34** **Title of the work:** Can atmospheric aerosols help improving the representation of European heatwaves?  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 03/04/2018  
**End date:** 13/04/2018  
P. JIMÉNEZ-GUERRERO; L. PALACIOS-PEÑA; S. JEREZ; J.J. GÓMEZ-NAVARRO; J.M. LÓPEZ-ROMERO; R. LORENTE-PLAZAS; J.P. MONTÁVEZ.
- 35** **Title of the work:** Resilience of the combined wind-plus-solar power production in Europe to climate change: a focus on the supply intermittence  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Wien, Austria  
**Date of event:** 03/04/2018  
**End date:** 13/04/2018  
S. JEREZ; I. TOBIN; M. TURCO; J.M. LÓPEZ-ROMERO; J.P. MONTÁVEZ; P. JIMÉNEZ-GUERRERO; R. VAUTARD.
- 36** **Title of the work:** Describing air quality-climate interactions within the REPAIR project  
**Name of the conference:** 11th International Conference on Air Quality - Science and Application  
**Type of participation:** Participatory - oral communication  
**City of event:** Barcelona, Spain  
**Date of event:** 12/03/2018  
**End date:** 16/03/2018  
L. PALACIOS-PEÑA; J.M. LÓPEZ-ROMERO; S. JEREZ; J. FAST; J.J. GÓMEZ-NAVARRO; R. LORENTE-PLAZAS; J. MEDINA-MOYA; P. TARIN-CARRASCO; J.P. MONTÁVEZ; P. JIMÉNEZ-GUERRERO.
- 37** **Title of the work:** Regional climate change scenarios over Europe using an on-line coupled regional atmosphere-chemistry model  
**Name of the conference:** European Meteorological Society (EMS) Annual Meeting: European Conference for Applied Meteorology and Climatology 2017  
**Type of participation:** 'Participatory - poster  
**City of event:** Dublin, Ireland  
**Date of event:** 04/09/2017  
**End date:** 08/09/2017  
J.P. MONTÁVEZ; J.M. LÓPEZ-ROMERO; S. JEREZ; L. PALACIOS -PEÑA; J.J. GÓMEZ-NAVARRO; R. LORENTE-PLAZAS; J. RUÍZ-MARTINEZ; J.A. GARCÍA-VALERO; P. JIMÉNEZ-GUERRERO.



- 38** **Title of the work:** How much spin-up period is really necessary in regional climate simulations?  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 23/04/2017  
**End date:** 28/04/2017  
J.P. MONTÁVEZ; J.M. LÓPEZ-ROMERO; S. JEREZ; J.J. GÓMEZ-NAVARRO; P. JIMÉNEZ-GUERRERO.
- 39** **Title of the work:** Quantifying the effect of varying GHG's concentration in Regional Climate Models  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Wien, Austria  
**Date of event:** 23/04/2017  
**End date:** 28/04/2017  
J.M. LÓPEZ-ROMERO; S. JEREZ; L. PALACIOS-PEÑA; J.J. GÓMEZ-NAVARRO; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ.
- 40** **Title of the work:** Tendencias de las rachas máximas diarias de velocidad del viento en España y Portugal  
**Name of the conference:** 10º Congreso Internacional de la Asociación Española de Climatología (AEC)  
**Type of participation:** Participatory - oral communication  
**City of event:** Alicante, Spain  
**Date of event:** 05/10/2016  
**End date:** 08/10/2016  
C. AZORIN-MOLINA; J.A. GUIJARRO; T.R. MCVICAR; S. VICENTE-SERRANO; L. MINOLA; D. CHEN; S. JEREZ; F. ESPIRITO-SANTO.
- 41** **Title of the work:** The association between circulation weather patterns, coastal recirculation and air pollution in Portugal  
**Name of the conference:** International Conference on Urban Risks (ICUR2016)  
**Type of participation:** Participatory - oral communication  
**City of event:** Lisbon, Portugal  
**Date of event:** 30/06/2016  
**End date:** 02/07/2016  
A. RUSSO; C. GOUVEIA; I. LEVY; U. DAYAN; S. JEREZ; M. MENDES; R.M. TRIGO.
- 42** **Title of the work:** The impact of climate change on photovoltaic power generation in Europe  
**Name of the conference:** International Conference on Regional Climate-CORDEX 2016  
**Type of participation:** Participatory - Plenary session  
**City of event:** Stockholm, Sweden  
**Date of event:** 17/05/2016  
**End date:** 20/05/2016  
S. JEREZ; I. TOBIN; R. VAUTARD; J.P. MONTÁVEZ; J.M. LÓPEZ-ROMERO; F. THAIS; B. BARTOK; O.B. CHRISTENSEN; A. COLETTE; M. DÉQUÉ; G. NIKULIN; S. KOTLARSKI; E. VAN MEIJGAARD; C. TEICHMANN; M. WILD.
- 43** **Title of the work:** Extreme Hot Days future projections using Circulation Types  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 17/04/2016  
**End date:** 22/04/2016



J.A. GARCÍA-VALERO; S. FERNÁNDEZ-MONTES; S. JEREZ; J.P. MONTÁVEZ; J.J. GÓMEZ-NAVARRO.

- 44** **Title of the work:** Impact of resolution on aerosol radiative feedbacks with in online-coupled chemistry/climate simulations (WRF-Chem) for EURO-CORDEX compliant domains  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Wien, Austria  
**Date of event:** 17/04/2016  
**End date:** 22/04/2016  
J.M. LÓPEZ-ROMERO; R. BARÓ; L. PALACIOS-PEÑA; S. JEREZ; P. JIMÉNEZ-GUERRERO; J.P. MONTÁVEZ.
- 45** **Title of the work:** The impact of climate change on photovoltaic power generation in Europe  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Wien, Austria  
**Date of event:** 17/04/2016  
**End date:** 22/04/2016  
S. JEREZ; I. TOBIN; R. VAUTARD; J.P. MONTÁVEZ; J.M. LÓPEZ-ROMERO; F. THAIS; B. BARTOK; O.B. CHRISTENSEN; A. COLETTE; M. DÉQUÉ; G. NIKULIN; S. KOTLARSKI; E. VAN MEIJGAARD; C. TEICHMANN; M. WILD.
- 46** **Title of the work:** An integrated approach for assessing climate change impacts on the European electricity sector  
**Name of the conference:** International Scientific Conference Our Common Future Under Climate Change  
**Type of participation:** 'Participatory - poster  
**City of event:** Paris, France  
**Date of event:** 07/07/2015  
**End date:** 10/07/2015  
I. TOBIN; F.M. BREON; W. GREUELL; S. JEREZ; F. LUDWIG; F. PRETTENTHALER; M. VAN VLIET; R. VAUTARD.
- 47** **Title of the work:** Does climate change threaten the future of the PV sector in Europe?  
**Name of the conference:** International Scientific Conference Our Common Future Under Climate Change  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 07/07/2015  
**End date:** 10/07/2015  
S. JEREZ; I. TOBIN; R. VAUTARD; J.P. MONTAVEZ; F. THAIS; O.B. CHRISTENSEN; A. COLETTE; M. DÉQUÉ; G. NIKULIN; S. KOTLARSKI; E. VAN MEIJGAARD; C. TEICHMANN.
- 48** **Title of the work:** Spatial optimization of an ideal renewable energy system a answer to the intermittency of renewables energies?  
**Name of the conference:** International Scientific Conference Our Common Future Under Climate Change  
**Type of participation:** 'Participatory - poster  
**City of event:** Paris, France  
**Date of event:** 07/07/2015  
**End date:** 10/07/2015  
S. LASSONDE; O. BOUCHER; F.M. BREON; S. JEREZ; I. TOBIN; R. VAUTARD.



- 49** **Title of the work:** Comparison of changes in surface solar radiation in CMIP5 global climate models and in CORDEX regional climate models for Europe  
**Name of the conference:** World Renewable Energy Congress XIV  
**Type of participation:** Participatory - oral communication  
**City of event:** Bucharest, Romania  
**Date of event:** 08/06/2015  
**End date:** 12/06/2015  
B. BARTOK; M. WILD; D. FOLINI; Z. IMECS; D. LÜTHI; S. KOTLARSKI; R. VAUTARD; S. JEREZ.
- 50** **Title of the work:** Are atmospheric aerosols able to modify the surface winds? A sensitivity study of the biomass burning aerosols impact on the spatially-distributed wind over Europe  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 12/04/2015  
**End date:** 17/04/2015  
R. BARO; R. LORENTE-PLAZAS; S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO.
- 51** **Title of the work:** Multi-Model and Multi-Scenario Climate Change Projections Applied to PV Power in Spain  
**Name of the conference:** International Symposium CLIMA-ES  
**Type of participation:** 'Participatory - poster  
**City of event:** Tortosa, Spain  
**Date of event:** 11/03/2015  
**End date:** 13/03/2015  
S. JEREZ; I. TOBIN; J.M. LOPEZ-ROMERO; J.P. MONTAVEZ; R. VAUTARD.
- 52** **Title of the work:** Seasonal Influence of the North Atlantic Atmospheric Circulation Patterns over Iberian Lakes  
**Name of the conference:** International Symposium CLIMA-ES  
**Type of participation:** Participatory - oral communication  
**City of event:** Tortosa, Spain  
**Date of event:** 11/03/2015  
**End date:** 13/03/2015  
A. HERNANDEZ; R.M. TRIGO; S. PLA-RABES; B.L. VALERO-GARCES; S. JEREZ; M. RICO-HERRERO; J.C. VEGA; M. JAMBRINA-ENRIQUEZ; S. GIRALT.
- 53** **Title of the work:** Summer Extremely Hot Days Future Projections over the Iberian Peninsula Based on Circulation Types  
**Name of the conference:** International Symposium CLIMA-ES  
**Type of participation:** 'Participatory - poster  
**City of event:** Tortosa, Spain  
**Date of event:** 11/03/2015  
**End date:** 13/03/2015  
J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO.
- 54** **Title of the work:** Assessing the impact of different measurement time intervals on observed long-term wind speed trends  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 15/12/2014





**End date:** 19/12/2014

C. AZORIN-MOLINA; S.M. VICENTE-SERRANO; T. MCVICAR; S. JEREZ; J. REVUELTO; J.I. LOPEZ-MORENO.

- 55** **Title of the work:** How do aerosol radiative effects influence wind? A sensitivity study of the aerosol impact on the spatially-distributed wind over Europe  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 15/12/2014  
**End date:** 19/12/2014  
R. BARO; R. LORENTE-PLAZAS; S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO.
- 56** **Title of the work:** Improving wildfire spread simulations using MODIS active fires: the FIRE-MODSAT project  
**Name of the conference:** VII International Conference on Forest Fire Research  
**Type of participation:** Participatory - oral communication  
**City of event:** Coimbra, Portugal  
**Date of event:** 14/11/2014  
**End date:** 21/11/2014  
A. SÁ; A. BENALI; R. PINTO; P. FERNANDES; A. RUSSO; F. SANTOS; R.M. TRIGO; J. PEREIRA; S. JEREZ; C. DA CAMARA.
- 57** **Title of the work:** Climatología del viento sobre la Península Ibérica: observaciones y modelos  
**Name of the conference:** 9º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Almería, Spain  
**Date of event:** 28/10/2014  
**End date:** 30/10/2014  
J.P. MONTAVEZ; R. LORENTE-PLAZAS; S. JEREZ; P. JIMENEZ-GUERRERO; J.A. GARCIA-VALERO; P.A. JIMENEZ.
- 58** **Title of the work:** Homogenización y tendencias de la velocidad de viento en España y Portugal, 1961-2011  
**Name of the conference:** 9º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Almería, Spain  
**Date of event:** 28/10/2014  
**End date:** 30/10/2014  
C. AZORIN-MOLINA; S.M. VICENTE-SERRANO; T.M. MCVICAR; S. JEREZ; A. SANCHEZ-LORENZO; J.I. LOPEZ-MORENO; J. REVUELTO; R.M. TRIGO; J.A. LOPEZ-BUSTINS; F. ESPIRITO-SANTO.
- 59** **Title of the work:** Proyecciones a medio plazo de cambios climáticos en los recursos solar y eólico sobre la Península Ibérica  
**Name of the conference:** 9º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** 'Participatory - poster  
**City of event:** Almería, Spain  
**Date of event:** 28/10/2014  
**End date:** 30/10/2014  
S. JEREZ; J.M. LOPEZ-ROMERO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.P. MONTAVEZ.



- 60** **Title of the work:** Assessing climate change impacts on European wind power production  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
I. TOBIN; R. VAUTARD; S. JEREZ; F. THAIS; M. DEQUE; S. KOTLARSKI; C.F. MAULE; E. VAN MEIJGAARD; G. NIKULIN; C. TEICHMANN; T. NOËL.
- 61** **Title of the work:** Assessment of the wind speed variability over the Iberian Peninsula using a high-resolution climatic database  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
R. LORENTE-PLAZAS; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; P.A. JIMENEZ.
- 62** **Title of the work:** Climate change impact on European photovoltaic power production: insights from Euro-Cordex  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
S. JEREZ; R. VAUTARD; I. TOBIN; J.P. MONTAVEZ; J.M. LOPEZ-ROMERO; F. THAIS; M. WILD; K. KEULER; M. BELDA; O.B. CHRISTENSEN; E. Van MEIJGAARD; S. SOMOT; M. DÉQUÉ.
- 63** **Title of the work:** Designing a renewable energy system for the Iberian Peninsula  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
J.P. MONTAVEZ; J. RUIZ; S. JEREZ; A. SARSA.
- 64** **Title of the work:** Spatially-resolved scenarios of photovoltaic and wind power targets for accurate estimates of production  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - poster  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
S. JEREZ; F. THAIS; I. TOBIN; M. WILD; A. COLETTE; P. YIOU; R. VAUTARD.



- 65** **Title of the work:** The regional impacts of mid-term wind power in several deployment scenarios  
**Name of the conference:** 14th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Praha, Czech Republic  
**Date of event:** 06/10/2014  
**End date:** 10/10/2014  
R. VAUTARD; S. JEREZ; I. TOBIN; F. THAIS.
- 66** **Title of the work:** Towards a renewable energy system in the Iberian Peninsula  
**Name of the conference:** International Congress Water, Waste and Energy Management  
**Type of participation:** Participatory - oral communication  
**City of event:** Porto, Portugal  
**Date of event:** 16/07/2014  
**End date:** 18/07/2014  
J.P. MONTAVEZ; S. JEREZ; A. SARSA; P. JIMENEZ-GUERRERO; N. RATOLA; J. RUIZ.
- 67** **Title of the work:** Assessing the influence of the North Atlantic Oscillation on the European atmospheric composition from a climatic perspective: a case study for polycyclic aromatic hydrocarbons  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 27/04/2014  
**End date:** 02/05/2014  
P. JIMENEZ-GUERRERO; S. JEREZ; N. RATOLA.
- 68** **Title of the work:** High resolution multi-scalar drought indices for Iberia  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 27/04/2014  
**End date:** 02/05/2014  
A. RUSSO; C.M. GOUVEIA; R.M. TRIGO; S. JEREZ.
- 69** **Title of the work:** Modelling the background aerosol climatologies (1989-2010) for the Mediterranean basin  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 27/04/2014  
**End date:** 02/05/2014  
P. JIMENEZ-GUERRERO; S. JEREZ.
- 70** **Title of the work:** The influence of scales of atmospheric motion on air pollution over Portugal  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 27/04/2014  
**End date:** 02/05/2014  
A. RUSSO; R.M. TRIGO; M. MENDES; S. JEREZ; C.M. GOUVEIA.



- 71** **Title of the work:** Renewable energy production over the Iberian Peninsula: optimizing power plants location and energy reservoirs  
**Name of the conference:** International Conference on Renewable Energies and Power Quality (ICREPQ'14)  
**Type of participation:** 'Participatory - poster  
**City of event:** Córdoba, Spain  
**Date of event:** 08/04/2014  
**End date:** 11/04/2014  
J.P. MONTAVEZ; S. JEREZ; R. LORENTE-PLAZAS; J. RUIZ; A. SARSA.
- 72** **Title of the work:** Climate change projections over the Iberian Peninsula: comparing uncertainties of multimodel, multiscenario and multiphysics ensembles  
**Name of the conference:** 13th European Meteorological Society (EMS) Annual Meeting & 11th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - oral communication  
**City of event:** Reading, United Kingdom  
**Date of event:** 09/09/2013  
**End date:** 13/09/2013  
J.P. MONTAVEZ; S. JEREZ; J. FERNANDEZ; P. JIMENEZ-GUERRERO.
- 73** **Title of the work:** Sensitivity of regional atmospheric paleoclimate simulations to changes in physical configuration and low boundary conditions  
**Name of the conference:** 13th European Meteorological Society (EMS) Annual Meeting & 11th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - oral communication  
**City of event:** Reading, United Kingdom  
**Date of event:** 09/09/2013  
**End date:** 13/09/2013  
J.P. MONTAVEZ; S. JEREZ; R. LORENTE-PLAZAS; J.J. GOMEZ-NAVARRO.
- 74** **Title of the work:** Assessing the outstanding 2003 fire events in Portugal with a Regional Climate Model  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 07/04/2013  
**End date:** 12/04/2013  
R.M. TRIGO; S. JEREZ; C. Da CAMARA; J.P. MONTAVEZ.
- 75** **Title of the work:** Establishing the common patterns of future tropospheric ozone under diverse climate change scenarios  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 07/04/2013  
**End date:** 12/04/2013  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; R. BARO; J.P. MONTAVEZ.
- 76** **Title of the work:** Evaluating the potential of Iberian lakes as sensors of climate circulation patterns  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria



**Date of event:** 07/04/2013

**End date:** 12/04/2013

A. HERNANDEZ; R.M. TRIGO; S. JEREZ; M.T. RICO-HERRERO; J.C. VEGA; M. JAMBRINA-ENRIQUEZ; B.L. VALERO-GARCES; S. GIRALT.

- 77** **Title of the work:** North Atlantic Oscillation affecting aerosols ground levels over Europe through local processes: asymmetries in time and space  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 07/04/2013  
**End date:** 12/04/2013  
S. JEREZ; P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; R.M. TRIGO.
- 78** **Title of the work:** Temporal and spatial complementarity of the wind and the solar resources in the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 07/04/2013  
**End date:** 12/04/2013  
S. JEREZ; R.M. TRIGO; A. SARSA; R. LORENTE-PLAZAS; D. POZO-VAZQUEZ; J.P. MONTAVEZ.
- 79** **Title of the work:** The role of the topographic effects and the representative grid point in the surface wind for simulations over the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 07/04/2013  
**End date:** 12/04/2013  
R. LORENTE-PLAZAS; P.A. JIMENEZ; J. DUDHIA; J.P. MONTAVEZ; R. BARO; S. JEREZ; P. JIMENEZ-GUERRERO.
- 80** **Title of the work:** The influence of NAO, EA and SCAND on the solar and wind resources over the Iberian Peninsula  
**Name of the conference:** 8th Associação Portuguesa de Meteorologia e Geofísica (APMG) Meteorological and Geophysical Symposium & 14th Luso-Spanish Meteorological Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** Ericeira, Portugal  
**Date of event:** 18/03/2013  
**End date:** 20/03/2013  
S. JEREZ; R.M. TRIGO; R. LORENTE-PLAZAS; J.P. MONTAVEZ.
- 81** **Title of the work:** Characterising the sources of future air pollution over the Mediterranean basin through sensitivity analysis  
**Name of the conference:** 4th International Meeting on Meteorology and Climatology of the Mediterranean  
**Type of participation:** 'Participatory - poster  
**City of event:** Banyuls, France  
**Date of event:** 27/02/2013  
**End date:** 01/03/2013  
P. NAVARRO; R. BARO; S. JEREZ; P. JIMENEZ-GUERRERO.



- 82** **Title of the work:** Influence of atmospheric circulation modes over the dune mobilization on the Galicia Atlantic coast  
**Name of the conference:** 7th Symposium on the Atlantic Iberian Margin  
**Type of participation:** Participatory - oral communication  
**City of event:** Lisboa, Portugal  
**Date of event:** 16/12/2012  
**End date:** 20/12/2012  
R. GONZALEZ-VILLANUEVA; S. COSTAS; M. PEREZ-ARLUCEA; S. JEREZ; R.M. TRIGO.
- 83** **Title of the work:** Pulses of aeolian activity in Portugal driven by enhanced westerlies during the deglaciation  
**Name of the conference:** 7th Symposium on the Atlantic Iberian Margin  
**Type of participation:** Participatory - oral communication  
**City of event:** Lisboa, Portugal  
**Date of event:** 16/12/2012  
**End date:** 20/12/2012  
S. COSTAS; S. JEREZ; R.M. TRIGO.
- 84** **Title of the work:** Análisis del papel de la elección de la base de datos reticular observacional en la evaluación de modelos climáticos regionales  
**Name of the conference:** 8º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** Participatory - oral communication  
**City of event:** Salamanca, Spain  
**Date of event:** 25/09/2012  
**End date:** 28/09/2012  
J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. BARO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO.
- 85** **Title of the work:** In-depth characterization of the interannual changes in the renewable energy resources of the Iberian Peninsula associated to variations in the NAO mode  
**Name of the conference:** 12th European Meteorological Society (EMS) Annual Meeting & 9th European Conference on Applications of Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Łódź, Poland  
**Date of event:** 10/09/2012  
**End date:** 14/09/2012  
S. JEREZ; R.M. TRIGO; D. POZO-VAZQUEZ; J.P. MONTAVEZ; S.M. VICENTE-SERRANO; F. SANTOS-ALAMILLOS; R. LORENTE-PLAZAS; J. LORENZO-LACRUZ.
- 86** **Title of the work:** Modeling the influence of large-scale teleconnection modes on the wind resource in the Iberian Peninsula  
**Name of the conference:** 12th European Meteorological Society (EMS) Annual Meeting & 9th European Conference on Applications of Climatology  
**Type of participation:** Participatory - poster  
**City of event:** Łódź, Poland  
**Date of event:** 10/09/2012  
**End date:** 14/09/2012  
S. JEREZ; R.M. TRIGO; D. POZO-VAZQUEZ; R. LORENTE-PLAZAS; J.P. MONTAVEZ.
- 87** **Title of the work:** Reassessing the deadliest storm that struck Portugal; 25 November 1967  
**Name of the conference:** 2nd Windstorm Workshop  
**Type of participation:** Participatory - poster



**City of event:** Leeds, United Kingdom

**Date of event:** 03/09/2012

**End date:** 05/09/2012

R.M. TRIGO; M.L.R. LIBERATO; S. JEREZ; A. FONSECA; F. VARINO.

**88 Title of the work:** The impact of the NAO on aerosol concentration levels in Europe

**Name of the conference:** European Aerosol Conference

**Type of participation:** Participatory - oral communication

**City of event:** Granada, Spain

**Date of event:** 02/09/2012

**End date:** 07/09/2012

P. JIMENEZ-GUERRERO; S. JEREZ; J.P. MONTAVEZ; R.M. TRIGO.

**89 Title of the work:** Future air pollution in Europe from a multi-physics ensemble of climate change-air quality projections

**Name of the conference:** 32nd International Technical Meeting on Air Pollution Modelling and its Applications

**Type of participation:** Participatory - oral communication

**City of event:** Utrecht, Holland

**Date of event:** 07/05/2012

**End date:** 11/05/2012

P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ.

**90 Title of the work:** Evaluation of regional climate models: how much can we trust in gridded observational data sets?

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - oral communication

**City of event:** Vienna, Austria

**Date of event:** 22/04/2012

**End date:** 27/04/2012

J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. BARO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO.

**91 Title of the work:** Pulses of aeolian activity and westerly winds intensification in the Portuguese coast during cooling climate events

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - poster

**City of event:** Vienna, Austria

**Date of event:** 22/04/2012

**End date:** 27/04/2012

S. COSTAS; S. JEREZ; R.M. TRIGO; R. GOBLE; L. REBELO.

**92 Title of the work:** Spatial and temporal wind variability over Spain and its relationship with synoptic weather types

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - poster

**City of event:** Vienna, Austria

**Date of event:** 22/04/2012

**End date:** 27/04/2012

R. LORENTE-PLAZAS; J.P. MONTAVEZ; J.A. GARCIA-VALERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. BARO; P.A. JIMENEZ; P. JIMENEZ-GUERRERO.



- 93** **Title of the work:** The North Atlantic Oscillation and the wind power in the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 22/04/2012  
**End date:** 27/04/2012  
S. JEREZ; R.M. TRIGO; J.P. MONTAVEZ; R. LORENTE-PLAZAS; D. POZO-VAZQUEZ.
- 94** **Title of the work:** EOLMAP: A web tool to assess the wind resource over Spain  
**Name of the conference:** Interantional conference on renewable energies an power quality (ICREPQ' 12)  
**Type of participation:** Participatory - oral communication  
**City of event:** Santiago de Compostela, Spain  
**Date of event:** 28/03/2012  
**End date:** 30/03/2012  
R. LORENTE-PLAZAS; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; P.A. JIMENEZ; J.A. GARCIA-VALERO; F. GOMARIZ-CASTILLO; F. ALONSO-SARRIA.
- 95** **Title of the work:** A physics ensemble of air quality-climate change projections over southwestern Europe for the 21st century (OUTSTANDING POSTER AWARD)  
**Name of the conference:** World Climate Research Programme (WCRP) Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Denver, United States of America  
**Date of event:** 24/10/2011  
**End date:** 28/10/2011  
P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.P. MONTAVEZ.
- 96** **Title of the work:** CLIVAR-SPAIN CONTRIBUTIONS: Establishing an aerosol climatology for the Mediterranean basin  
**Name of the conference:** World Climate Research Programme (WCRP) Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Denver, United States of America  
**Date of event:** 24/10/2011  
**End date:** 28/10/2011  
P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; Z. HERNANDEZ; S. JEREZ; R. LORENTE-PLAZAS.
- 97** **Title of the work:** A physics ensemble of air quality-climate change projections over southwestern Europe for the 21st century  
**Name of the conference:** 11th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - oral communication  
**City of event:** Berlin, Germany  
**Date of event:** 12/09/2011  
**End date:** 16/09/2011  
P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 98** **Title of the work:** Regional characterization of the observed and modelled wind over Spain  
**Name of the conference:** 11th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - oral communication





**City of event:** Berlin, Germany

**Date of event:** 12/09/2011

**End date:** 16/09/2011

R. LORENTE-PLAZAS; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO; P.A. JIMENEZ; J.F. GONZALEZ-ROUCO.

**99 Title of the work:** Uncertainties in regional models and observations

**Name of the conference:** 11th European Meteorological Society (EMS) Annual Meeting & 10th European Conference on Applications of Meteorology

**Type of participation:** Participatory - oral communication

**City of event:** Berlin, Germany

**Date of event:** 12/09/2011

**End date:** 16/09/2011

J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; S. JEREZ; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO; J.F. GONZALEZ-ROUCO.

**100 Title of the work:** Characterizing the role of internal variability in regional climate paleosimulations

**Name of the conference:** XVIII International Union for Quaternary Science (INQUA) Congress: Quaternary sciences - the view from the mountains

**Type of participation:** Participatory - oral communication

**City of event:** Bern, Switzerland

**Date of event:** 21/07/2011

**End date:** 27/07/2011

J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO; E. ZORITA.

**101 Title of the work:** Defining the spatio-temporal changes in future air pollution in the Mediterranean under SRES A2 and B2 scenarios

**Name of the conference:** 3rd International Meeting on Meteorology and Climatology of the Mediterranean

**Type of participation:** Participatory - poster

**City of event:** Castellaneta Marina, Italy

**Date of event:** 06/06/2011

**End date:** 09/06/2011

P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; Z. HERNANDEZ; R. LORENTE-PLAZAS; S. JEREZ; J.P. MONTAVEZ.

**102 Title of the work:** An assessment of present climatological droughts in the western Mediterranean (Iberian Peninsula) by using high-resolution regional climate simulations

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - poster

**City of event:** Vienna, Austria

**Date of event:** 03/04/2011

**End date:** 08/04/2011

Z. HERNANDEZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO.

**103 Title of the work:** Assessing the role of internal variability in regional climate paleosimulations

**Name of the conference:** European Geosciences Union (EGU) General Assembly

**Type of participation:** Participatory - poster

**City of event:** Vienna, Austria

**Date of event:** 03/04/2011

**End date:** 08/04/2011



J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS;  
J.F. GONZALEZ-ROUCO; E. ZORITA; J.A. GARCIA-VALERO.

- 104** **Title of the work:** EOLMAP: A pseudoreal wind database for small wind turbines for the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 03/04/2011  
**End date:** 08/04/2011  
R. LORENTE-PLAZAS; J.P. MONTAVEZ; D. POZO-VAZQUEZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO; P.A. JIMENEZ; S. JEREZ; J.F. GONZALEZ-ROUCO.
- 105** **Title of the work:** Frequency, persistence and transitions of seasonal Weather Types affecting the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 03/04/2011  
**End date:** 08/04/2011  
J.P. MONTAVEZ; J.A. GARCIA-VALERO; J.J. GOMEZ-NAVARRO; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS.
- 106** **Title of the work:** Linking meteorology and air quality under a changing climate: future European air pollution under several IPCC scenarios  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 03/04/2011  
**End date:** 08/04/2011  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; Z. HERNANDEZ; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 107** **Title of the work:** Comparison of a regional paleoclimate simulation over Europe for the last 500 years with proxy-based reconstructions  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 13/12/2010  
**End date:** 17/12/2010  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO; E. ZORITA.
- 108** **Title of the work:** Defining the common spatio-temporal patterns of aerosols in Europe for the XXI century under different IPCC SRES scenarios  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 13/12/2010  
**End date:** 17/12/2010  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; J.P. MONTAVEZ.



- 109** **Title of the work:** Uncertainties in MM5 climate simulations: physics configuration vs. driving conditions  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 13/12/2010  
**End date:** 17/12/2010  
S. JEREZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.P. MONTAVEZ.
- 110** **Title of the work:** Análisis de extremos de temperatura en un conjunto de proyecciones de cambio climático  
**Name of the conference:** 7º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 24/11/2010  
**End date:** 26/11/2010  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS.
- 111** **Title of the work:** Reconstrucciones paleoclimáticas de la Península Ibérica desde una perspectiva de modelización  
**Name of the conference:** 7º Congreso Internacional de la Asociación Española de Climatología  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 24/11/2010  
**End date:** 26/11/2010  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS.
- 112** **Title of the work:** Comparison of two millennial regional climate experiments over the Iberian Peninsula  
**Name of the conference:** 10th European Meteorological Society (EMS) Annual Meeting & 8th European Conference on Applied Climatology  
**Type of participation:** Participatory - oral communication  
**City of event:** Zurich, Austria  
**Date of event:** 13/09/2010  
**End date:** 17/09/2010  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.F. GONZALEZ-ROUCO; E. ZORITA.
- 113** **Title of the work:** Impacts of climate change in the future urban air pollution of European Megacities  
**Name of the conference:** American Geophysical Union (AGU): The Meeting of the Americas  
**Type of participation:** Participatory - oral communication  
**City of event:** Foz do Iguaçu, Brazil  
**Date of event:** 08/08/2010  
**End date:** 12/08/2010  
P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 114** **Title of the work:** Land-atmosphere coupling at regional scales: implications in present variability and regional climate projections  
**Name of the conference:** American Geophysical Union (AGU): The Meeting of the Americas  
**Type of participation:** 'Participatory - poster  
**City of event:** Foz do Iguaçu, Brazil  
**Date of event:** 08/08/2010  
**End date:** 12/08/2010



J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO; J.F. GONZALEZ-ROUCO.

- 115 Title of the work:** Impacts of climate change on air quality levels in southwestern Europe for the 21st century  
**Name of the conference:** 13th International Conference on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes (HARMO13)  
**Type of participation:** Participatory - oral communication  
**City of event:** Paris, France  
**Date of event:** 01/06/2010  
**End date:** 04/06/2010  
P. JIMENEZ-GUERRERO; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 116 Title of the work:** Analysing the influence of climate change on future air quality (XXI century): from European to local scales  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 02/05/2010  
**End date:** 07/05/2010  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 117 Title of the work:** Analysis of the PDFs of temperature from a multi-physics ensemble of climate change projections over the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 02/05/2010  
**End date:** 07/05/2010  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; P. JIMENEZ-GUERRERO; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; P.A. JIMENEZ; J.F. GONZALEZ-ROUCO; E. ZORITA.
- 118 Title of the work:** Characterization of the atmospheric circulation over the Iberian Peninsula using ERA40 reanalysis and projected changes in an ensemble of GCMs  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 02/05/2010  
**End date:** 07/05/2010  
J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS; P. JIMENEZ-GUERRERO; J.F. GONZALEZ-ROUCO.
- 119 Title of the work:** Evolution of the vegetal cover and its role on the thermal tendencies of the Iberian Peninsula  
**Name of the conference:** 2nd Meeting on Meteorology and Climatology of the Western Mediterranean  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 11/03/2010  
**End date:** 12/03/2010



J.P. MONTAVEZ; J. JIMENEZ-GUTIERREZ; S. JEREZ; J.J. GOMEZ-NAVARRO; R. LORENTE-PLAZAS;  
J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO.

- 120** **Title of the work:** Impacts of climate change on aerosol levels in the Iberian Peninsula and southern Spain for the XXI century  
**Name of the conference:** 2nd Meeting on Meteorology and Climatology of the Western Mediterranean  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 11/03/2010  
**End date:** 12/03/2010  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS; J.A. GARCIA-VALERO; J.P. MONTAVEZ.
- 121** **Title of the work:** Comparison of two different sea salt aerosol schemes as implemented in air quality models applied to the Mediterranean  
**Name of the conference:** 22nd ACCENT/GLOREAM Workshop on Tropospheric Chemical Transport Modelling  
**Type of participation:** Participatory - oral communication  
**City of event:** Brescia, Italy  
**Date of event:** 26/11/2009  
**End date:** 27/11/2009  
P. JIMENEZ-GUERRERO; M.T. PAY; J.M. BALDASANO; O. JORBA; J.J. GOMEZ-NAVARRO; S. JEREZ; J.P. MONTAVEZ.
- 122** **Title of the work:** Effects of changing climate on future secondary inorganic aerosol levels (sulphate-nitrate-ammonium) in Europe for the 21st century (1991-2100)  
**Name of the conference:** International Workshop on Atmospheric Composition Changes (ACC): Climate-Chemistry Interactions  
**Type of participation:** Participatory - oral communication  
**City of event:** Lecce, Italy  
**Date of event:** 02/11/2009  
**End date:** 04/11/2009  
P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; R. LORENTE-PLAZAS.
- 123** **Title of the work:** Modelling the seasonality of aerosols within the Mediterranean basin  
**Name of the conference:** International Workshop on Atmospheric Composition Changes (ACC): Climate-Chemistry Interactions  
**Type of participation:** Participatory - poster  
**City of event:** Lecce, Italy  
**Date of event:** 02/11/2009  
**End date:** 04/11/2009  
P. JIMENEZ-GUERRERO; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; R. LORENTE-PLAZAS.
- 124** **Title of the work:** Changes in frequency of weather types and their relationship with precipitation patterns over the South-East of the Iberian Peninsula  
**Name of the conference:** 9th European Meteorological Society (EMS) Annual Meeting & 9th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - poster  
**City of event:** Toulouse, France  
**Date of event:** 28/09/2009  
**End date:** 02/10/2009



J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; P.A. JIMENEZ;  
J.F. GONZALEZ-ROUCO.

**125 Title of the work:** The climate of the Iberian Peninsula during the last five centuries from a regional climate model perspective

**Name of the conference:** 9th European Meteorological Society (EMS) Annual Meeting & 9th European Conference on Applications of Meteorology

**Type of participation:** Participatory - oral communication

**City of event:** Toulouse, France

**Date of event:** 28/09/2009

**End date:** 02/10/2009

J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO;  
J.F. GONZALEZ-ROUCO.

**126 Title of the work:** Optimizing the execution of a parallel meteorology simulation code

**Name of the conference:** 10th International Workshop on Parallel and Distributed Scientific and Engineering Computing

**Type of participation:** Participatory - oral communication

**City of event:** Roma, Italy

**Date of event:** 23/05/2009

**End date:** 29/05/2009

S. JEREZ; J.P. MONTAVEZ; D. GIMENEZ.

**127 Title of the work:** Climate change projections for the XXI century over the Iberian Peninsula using dynamical downscaling

**Name of the conference:** 2nd International Lund RCM Workshop: 21th Century Challenges in Regional-scale Climate Modelling

**Type of participation:** Participatory - oral communication

**City of event:** Lund, Sweden

**Date of event:** 04/05/2009

**End date:** 08/05/2009

J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO.

**128 Title of the work:** Influence of soil moisture-near surface temperature feedback on present and future climate simulations over the Iberian Peninsula

**Name of the conference:** 2nd International Lund RCM Workshop: 21th Century Challenges in Regional-scale Climate Modelling

**Type of participation:** Participatory - oral communication

**City of event:** Lund, Sweden

**Date of event:** 04/05/2009

**End date:** 08/05/2009

S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; J.F. GONZALEZ-ROUCO.

**129 Title of the work:** Regional climate change projections using a physics ensemble over the Iberian Peninsula

**Name of the conference:** 2nd International Lund RCM Workshop: 21th Century Challenges in Regional-scale Climate Modelling

**Type of participation:** Participatory - oral communication

**City of event:** Lund, Sweden

**Date of event:** 04/05/2009

**End date:** 08/05/2009



P. JIMENEZ-GUERRERO; S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.

- 130 Title of the work:** A physics ensemble of regional climate change projections over the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 19/04/2009  
**End date:** 24/04/2009  
P. JIMENEZ-GUERRERO; S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 131 Title of the work:** An assessment of wind energy resources in the Iberian Peninsula by using dynamical downscaling  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 19/04/2009  
**End date:** 24/04/2009  
J.P. MONTAVEZ; P.A. JIMENEZ; S.B. NAVARRO; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; E. GARCIA-BUSTAMANTE; P. JIMENEZ-GUERRERO; J. NAVARRO; J.F. GONZALEZ-ROUCO.
- 132 Title of the work:** Climate of the last millennium: reconstructions, analyses and explanation of regional and seasonal changes  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 19/04/2009  
**End date:** 24/04/2009  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; P. JIMENEZ-GUERRERO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 133 Title of the work:** Implications of land-atmosphere coupling on the present and projected climate over the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 19/04/2009  
**End date:** 24/04/2009  
S. JEREZ; J.P. MONTAVEZ; P. JIMENEZ-GUERRERO; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO; J.M. JIMENEZ.
- 134 Title of the work:** Validation of the mesoscale model MM5 in reproducing the wind variability in Turkey  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 19/04/2009  
**End date:** 24/04/2009  
A. HIDALGO; M. MARCHANTE; P.A. JIMENEZ; E. GARCIA-BUSTAMANTE; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; M.C. RICO; S. JEREZ; J. NAVARRO; J.F. GONZALEZ-ROUCO.

- 135** **Title of the work:** Análisis de los cambios en temperatura y precipitación proyectados en un conjunto de simulaciones regionales de cambio climático sobre la Península Ibérica  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO; J.F. GONZALEZ-ROUCO.
- 136** **Title of the work:** Estudio de la variabilidad de la precipitación diaria en la Región de Murcia  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.F. GONZALEZ-ROUCO.
- 137** **Title of the work:** Sensibilidad de la temperatura al modelo de suelo en simulaciones con MM5 sobre la Península Ibérica  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 138** **Title of the work:** Sensibilidad de simulaciones regionales climáticas a la fracción de vegetación  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
J.M. JIMENEZ-GUTIERREZ; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; F. VALERO.
- 139** **Title of the work:** Sobre la relación del calentamiento y la altura en proyecciones regionales de cambio climático  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; J.A. GARCIA-VALERO; P. JIMENEZ-GUERRERO; J.F. GONZALEZ-ROUCO.





- 140** **Title of the work:** Validation of the mesoscale model MM5 in reproducing the wind variability in Turkey  
**Name of the conference:** CLIVAR: Clima en España: Pasado, Presente y Futuro. Contribución a un informe de Evaluación del Cambio Climático Regional  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 11/02/2009  
**End date:** 13/02/2009  
A. HIDALGO; J.F. GONZALEZ-ROUCO; M. MARCHANTE; P.A. JIMENEZ; E. GARCIA-BUSTAMANTE; J. NAVARRO; M.C. RICO; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ.
- 141** **Title of the work:** Evaluation of soil models coupled to a RCM in simulating the Iberian Peninsula climate  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 15/12/2008  
**End date:** 19/12/2008  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; J.F. GONZALEZ-ROUCO.
- 142** **Title of the work:** Past and present regional climate simulations for the Iberian Peninsula  
**Name of the conference:** American Geophysical Union (AGU) Fall Meeting  
**Type of participation:** 'Participatory - poster  
**City of event:** San Francisco, United States of America  
**Date of event:** 15/12/2008  
**End date:** 19/12/2008  
J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S. JEREZ; J.A GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 143** **Title of the work:** Aplicación de la programación paralela: simulaciones climáticas  
**Name of the conference:** Reunión sobre Optimización de Rutinas Paralelas y Aplicaciones  
**Type of participation:** 'Participatory - poster  
**City of event:** Murcia, Spain  
**Date of event:** 26/05/2008  
**End date:** 27/05/2008  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S.B. NAVARRO.
- 144** **Title of the work:** Detección y atribución del cambio climático sobre la Península Ibérica usando modelos regionales  
**Name of the conference:** XXX Jornadas Científicas de la Asociación Meteorológica Española  
**Type of participation:** Participatory - oral communication  
**City of event:** Zaragoza, Spain  
**Date of event:** 05/05/2008  
**End date:** 07/05/2008  
J.P. MONTAVEZ; J.A. GARCIA-VALERO; S. JEREZ; J.J. GOMEZ-NAVARRO.
- 145** **Title of the work:** Proyecciones de cambio climático en la Península Ibérica: asimetrías espacial y estacional en los patrones de calentamiento  
**Name of the conference:** XXX Jornadas Científicas de la Asociación Meteorológica Española  
**Type of participation:** Participatory - oral communication  
**City of event:** Zaragoza, Spain  
**Date of event:** 05/05/2008  
**End date:** 07/05/2008



J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; S.B. NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.

- 146** **Title of the work:** Regionalización de las precipitaciones diarias de la Región de Murcia  
**Name of the conference:** XXX Jornadas Científicas de la Asociación Meteorológica Española  
**Type of participation:** 'Participatory - poster  
**City of event:** Zaragoza, Spain  
**Date of event:** 05/05/2008  
**End date:** 07/05/2008  
J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO.
- 147** **Title of the work:** Simulación del clima de la Península Ibérica: sensibilidad al modelo de suelo  
**Name of the conference:** XXX Jornadas Científicas de la Asociación Meteorológica Española  
**Type of participation:** Participatory - oral communication  
**City of event:** Zaragoza, Spain  
**Date of event:** 05/05/2008  
**End date:** 07/05/2008  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S.B. NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 148** **Title of the work:** Detection and attribution of climate change in the Iberian Peninsula by using regional climate models  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 13/04/2008  
**End date:** 18/04/2008  
J.P. MONTAVEZ; S. JEREZ; J.J. GOMEZ-NAVARRO; J.A. GARCIA-VALERO; J. SAENZ; J.F. GONZALEZ-ROUCO.
- 149** **Title of the work:** Regional climate change over the Iberian Peninsula: warming patterns and spatial and seasonal asymmetries  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** 'Participatory - poster  
**City of event:** Vienna, Austria  
**Date of event:** 13/04/2008  
**End date:** 18/04/2008  
J.J. GOMEZ-NAVARRO; J.P. MONTAVEZ; S. JEREZ; J.A. GARCIA-VALERO; S.B. NAVARRO; J.F. GONZALEZ-ROUCO.
- 150** **Title of the work:** The role of land-surface interactions in simulating the climate of the Iberian Peninsula  
**Name of the conference:** European Geosciences Union (EGU) General Assembly  
**Type of participation:** Participatory - oral communication  
**City of event:** Vienna, Austria  
**Date of event:** 13/04/2008  
**End date:** 18/04/2008  
S. JEREZ; J.P. MONTAVEZ; J.J. GOMEZ-NAVARRO; S.B. NAVARRO; J.A. GARCIA-VALERO; J.F. GONZALEZ-ROUCO.
- 151** **Title of the work:** Observed and projected precipitation over the South-East of Spain  
**Name of the conference:** 7th European Meteorological Society (EMS) Annual Meeting & 8th European Conference on Applications of Meteorology



**Type of participation:** 'Participatory - poster  
**City of event:** San Lorenzo del Escorial, Spain  
**Date of event:** 01/10/2007  
**End date:** 05/10/2007  
J.A. GARCIA-VALERO; J.P. MONTAVEZ; S. JEREZ; P.A. JIMENEZ; J.F. GONZALEZ-ROUCO.

**152 Title of the work:** Observed and simulated temperature trends over the Iberian Peninsula over the period 1958-2000  
**Name of the conference:** 7th European Meteorological Society (EMS) Annual Meeting & 8th European Conference on Applications of Meteorology  
**Type of participation:** Participatory - oral communication  
**City of event:** San Lorenzo del Escorial, Spain  
**Date of event:** 01/10/2007  
**End date:** 05/10/2007  
J.P. MONTAVEZ; S. JEREZ; J.F. GONZALEZ-ROUCO; J. FERNANDEZ; J. SAENZ; E. ZORITA; F. VALERO.

**153 Title of the work:** Experimentos con MM5  
**Name of the conference:** 4ª Reunión de la Red Ibérica MM5  
**Type of participation:** Participatory - oral communication  
**City of event:** Aveiro, Portugal  
**Date of event:** 26/04/2007  
**End date:** 27/04/2007  
S. JEREZ; J.P. MONTAVEZ.

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1 Committee title:** External reviewer of a PhD thesis presented at the Universidad Pablo de Olavide (year 2013)
- 2 Committee title:** External reviewer of a PhD thesis presented at the Universidad de Santiago de Compostela (year 2013)
- 3 Committee title:** Member of the evaluating tribunal of MSc theses presented at the Universidad de Murcia (years 2014, 2018 and 2022)
- 4 Committee title:** Member of the of a Doctoral Thesis Tribunal evaluating the PhD dissertation presented by Mr. Enriqye Pravia Sarabia at the Universidad de Murcia in 2022
- 5 Committee title:** Member of the of a Doctoral Thesis Tribunal evaluating the PhD dissertation presented by Ms. Aina Maimó Far at the Universitat de les Illes Balears in 2023
- 6 Committee title:** Member of the of a Doctoral Thesis Tribunal evaluating the PhD dissertation presented by Ms. Claudia Gutierrez Escribano at the Universidad de Castilla La Mancha in 2019



- 7** **Committee title:** Member of the scientific committee in charge of awarding best poster presentations at the XI International Congress of the Spanish Association of Climatology (year 2018)
- 8** **Committee title:** National CLIVAR-España committee (from 2021 to 2023)

### Organization of R&D activities

- 1** **Title of the activity:** CLIVAR 2023: Towards an integrated view of climate  
**Type of activity:** Scientific congress  
**City of event:** Madrid, Spain  
**Convening entity:** CLIVAR España  
**Type of participation:** Organiser  
**Start-End date:** 24/01/2023 - 26/01/2023
- 2** **Title of the activity:** XXXVIII Reunión Bienal de la Real Sociedad Española de Física  
**Type of activity:** Scientific congress  
**City of event:** Murcia, Spain  
**Convening entity:** Real Sociedad Española de Física  
**Type of participation:** Organiser  
**Start-End date:** 11/07/2022 - 15/07/2022
- 3** **Title of the activity:** XI International Congress of the Spanish Association of Climatology  
**Type of activity:** Scientific congress  
**City of event:** Cartagena, Spain  
**Convening entity:** Asociación Española de Climatología  
**Type of participation:** Organiser  
**Start-End date:** 17/10/2018 - 19/10/2018
- 4** **Title of the activity:** IX International Congress of the Spanish Association of Climatology  
**Type of activity:** Scientific congress  
**City of event:** Almería, Spain  
**Convening entity:** Asociación Española de Climatología  
**Type of participation:** Chairman  
**Start-End date:** 28/10/2014 - 30/10/2014

### Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Reviewer for the ATMOSPHERIC RESEARCH journal  
**Start date:** 2023
- 2** **Performed tasks:** Reviewer for the METEOROLOGICAL APPLICATIONS journal  
**Start date:** 2023
- 3** **Performed tasks:** Reviewer for the EARTH'S FUTURE journal  
**Start date:** 2022



- 4** **Performed tasks:** Reviewer of R&D projects for the Dirección de Evaluación y Acreditación de la Agencia Andaluza del Conocimiento (DEVA-AAC)  
**Start date:** 2021
- 5** **Performed tasks:** Reviewer for the ETH Zurich Postdoctoral Fellowship Program  
**Start date:** 2019
- 6** **Performed tasks:** Reviewer for the SCIENCE ADVANCES journal  
**Start date:** 2019
- 7** **Performed tasks:** Reviewer for the WIND ENERGY SCIENCE journal  
**Start date:** 2019
- 8** **Performed tasks:** Reviewer of R&D projects for the Agencia Estatal de Investigación (EVALUA)  
**Start date:** 2019
- 9** **Performed tasks:** Reviewer for the NATURE journal  
**Start date:** 2018
- 10** **Performed tasks:** Reviewer for the RENEWABLE & SUSTAINABLE ENERGY REVIEWS journal  
**Start date:** 2018
- 11** **Performed tasks:** Reviewer for the SOLAR ENERGY journal  
**Start date:** 2018
- 12** **Performed tasks:** Reviewer for the WIND ENERGY journal  
**Start date:** 2018
- 13** **Performed tasks:** Reviewer of the IPCC special report on impacts at 1.5°C global warming  
**Start date:** 2018
- 14** **Performed tasks:** Reviewer for the ENVIRONMENTAL RESEARCH LETTERS journal  
**Start date:** 2017
- 15** **Performed tasks:** Reviewer for the JOURNAL OF GEOPHYSICAL RESEARCH  
**Start date:** 2017
- 16** **Performed tasks:** Reviewer for the NATURE CLIMATE CHANGE journal  
**Start date:** 2017
- 17** **Performed tasks:** Reviewer for the NATURE COMMUNICATIONS journal  
**Start date:** 2017



- 18 Performed tasks:** Reviewer for the JOURNAL OF APPLIED METEOROLOGY AND CLIMATOLOGY  
**Start date:** 2016
- 19 Performed tasks:** Reviewer for the JOURNAL OF HYDROMETEOROLOGY  
**Start date:** 2015
- 20 Performed tasks:** Reviewer for the CLIMATE DYNAMICS journal  
**Start date:** 2014
- 21 Performed tasks:** Reviewer for the DYNAMICS OF ATMOSPHERES AND OCEANS journal  
**Start date:** 2014
- 22 Performed tasks:** Reviewer for the JOURNAL OF CLIMATE  
**Start date:** 2014
- 23 Performed tasks:** Reviewer for the CLIMATE RESEARCH journal  
**Start date:** 2013
- 24 Performed tasks:** Reviewer for the INTERNATIONAL JOURNAL OF CLIMATOLOGY  
**Start date:** 2012

## Other achievements

### Stays in public or private R&D centres

- 1 Entity:** Lunar and Planetary Institute  
**City of entity:** Houston, United States of America  
**Start-End date:** 02/11/2023 - 06/11/2023      **Duration:** 5 days  
**Funding entity:** Universidad de Murcia (Ramón y Cajal funds)  
**Goals of the stay:** Post-doctoral
- 2 Entity:** University of Tokyo  
**City of entity:** Tokyo, Japan  
**Start-End date:** 18/11/2022 - 30/11/2022      **Duration:** 13 days  
**Funding entity:** Universidad de Murcia (Ramón y Cajal funds)  
**Goals of the stay:** Post-doctoral
- 3 Entity:** Universidad de La Laguna  
**City of entity:** La Laguna, Spain  
**Start-End date:** 16/09/2022 - 28/09/2022      **Duration:** 13 days  
**Funding entity:** Universidad de Murcia (Ramón y Cajal funds)  
**Goals of the stay:** Post-doctoral



- 4** **Entity:** Universidad de La Laguna  
**City of entity:** La Laguna, Spain  
**Start-End date:** 30/03/2022 - 09/04/2022      **Duration:** 11 days  
**Funding entity:** Universidad de Murcia (project funds)  
**Goals of the stay:** Post-doctoral
  
- 5** **Entity:** Barcelona Supercomputing Center  
**City of entity:** Barcelona, Spain  
**Start-End date:** 15/09/2015 - 30/11/2015      **Duration:** 2 months - 15 days  
**Funding entity:** BSC - CNS Severo Ochoa Center of Excellence  
**Goals of the stay:** Post-doctoral
  
- 6** **Entity:** Helmholtz-Zentrum Geesthacht - Centre for Materials and Coastal Research  
**City of entity:** Geesthacht, Germany  
**Start-End date:** 01/10/2009 - 15/11/2009      **Duration:** 1 month - 15 days  
**Funding entity:** Universidad de Murcia  
**Goals of the stay:** Doctorate
  
- 7** **Entity:** Max-Planck Institut für Meteorologie  
**City of entity:** Hamburg, Germany  
**Start-End date:** 07/09/2009 - 25/09/2009      **Duration:** 19 days  
**Funding entity:** Universidad de Murcia  
**Goals of the stay:** Doctorate
  
- 8** **Entity:** Helmholtz-Zentrum Geesthacht - Centre for Materials and Coastal Research  
**City of entity:** Geesthacht, Germany  
**Start-End date:** 14/05/2007 - 14/06/2007      **Duration:** 1 month  
**Funding entity:** Universidad de Murcia  
**Goals of the stay:** Doctorate

## Obtained grants and scholarships

- 1** **Name of the grant:** Ramón y Cajal fellowship  
**Aims:** Post-doctoral  
**Awarding entity:** Agencia Estatal de Investigación (AEI) / Spanish national research agency  
**Conferral date:** 01/01/2022      **Duration:** 5 years  
**End date:** 31/12/2026
  
- 2** **Name of the grant:** Young research leaders  
**Aims:** Post-doctoral  
**Awarding entity:** Universidad de Murcia  
**Conferral date:** 13/07/2018      **Duration:** 5 years  
**End date:** 12/07/2023
  
- 3** **Name of the grant:** FCT Investigator  
**Aims:** Post-doctoral  
**Awarding entity:** Fundação para a Ciência e a Tecnologia (FCT) / Portuguese national funding agency for science, research and technology  
**Conferral date:** 01/01/2017      **Duration:** 5 years  
**End date:** 31/12/2021



- 4 Name of the grant:** Doctors recruitment grant  
**Aims:** Post-doctoral  
**Awarding entity:** Universidad de Murcia  
**Conferral date:** 01/01/2014 **Duration:** 2 years  
**End date:** 31/12/2015
- 5 Name of the grant:** Severo Ochoa mobility grant  
**Aims:** Post-doctoral  
**Awarding entity:** BSC-CNS Severo Ochoa Center of Excellence  
**Conferral date:** 15/09/2015 **Duration:** 2 months - 15 days  
**End date:** 30/11/2015
- 6 Name of the grant:** PhD fellowship  
**Aims:** Pre-doctoral  
**Awarding entity:** Fundación Instituto Euromediterráneo del Agua (F-IEA)  
**Conferral date:** 15/06/2007 **Duration:** 2 years  
**End date:** 14/06/2009

### Other types of collaboration with researchers or technologists

- 1 Type of relationship:** Confirmed publications  
**Name principal investigator (PI, Co-PI....):** 1  
**Description of the collaboration:** Participation in the European branch of the COordinated Regional climate Downscaling EXperiment (CORDEX)
- 2 Type of relationship:** Confirmed publications  
**Description of the collaboration:** Participation in the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP)

### Editorial councils

- 1 Name of the editorial council:** ATMOSPHERE journal (ISSN 2073-4433)  
**Tasks carried out:** Guest Editor of the Special Issue 'Climate Modeling for Renewable Energy Resource Assessment'  
**Nº of members:** 2
- 2 Name of the editorial council:** FRONTIERS IN CLIMATE journal (ISSN 2624-9553)  
**Tasks carried out:** Editor of the Research Topic '(10 Years) Water-Energy-Food Nexus: Impact of Climate Variability and Change on the Water-Energy-Food Nexus'  
**Nº of members:** 6
- 3 Name of the editorial council:** GEOSCIENCES journal (ISSN 2076-3263)  
**Tasks carried out:** Guest Editor of the Special Issue 'Climate Prediction of Extreme Events'  
**Nº of members:** 2
- 4 Name of the editorial council:** Publicaciones de la Asociación Española de Climatología (AEC)  
**Tasks carried out:** Book edition: 'El clima: aire, agua, tierra y fuego' (ISBN: 978-84-7837-098-6)  
**Nº of members:** 8





## Obtained accreditations/recognitions

- 1** **Description:** "Profesora titular de universidad"  
**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)  
**Date of recognition:** 31/03/2023
- 2** **Description:** I3  
**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)  
**Date of recognition:** 04/05/2020
- 3** **Description:** "Profesora contratada doctora"  
**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)  
**Date of recognition:** 09/02/2015