



**Jorge López Parages**

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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.

### Highest Academic degree

Ph.D in Physics (Univ. Complutense Madrid 2015 - Sobresaliente CUM LAUDE)

### Research topics/interests

- Climate variability: atmospheric teleconnections
- Applied climatology: climate impact on fisheries
- Atmospheric dynamics
- Numerical and statistical modelling
- Air-sea interactions
- Physical oceanography

### Scientific experience and publications

- 9 scientific publications, 7 of them as leading and corresponding author (2 more manuscripts are currently under review)
- 5 scientific publications in JCR journals, 4 of them published in Q1 journals being the candidate the leading and corresponding author (2 more manuscripts are currently under review)
- Results presented in different international (21) and national (4) conferences
- Career developed in the framework of 10 projects: 1 international research project, 6 national research projects, 2 cooperation projects, and 1 scientific dissemination project

### International experience

- 2 pre-doctoral (3 months each) stays and a 18 month post-doctoral experience in foreign research centers.

### Language Skills

Spanish (native), English (C1), Italian (B1), French (A2)



## 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.

ANECA Accreditation as “Profesor Ayudante Doctor” (2017).

### Scientific experience and publications

- 9 scientific publications, 7 of them as leading and corresponding author (2 more manuscripts are currently under review)
- 5 scientific publications in JCR journals, 4 of them published in Q1 journals being the candidate the leading and corresponding author (2 more manuscripts are currently under review)
- Results presented in different international (21) and national (4) conferences
- Career developed in the framework of 10 projects: 1 international research project, 6 national research projects, 2 cooperation projects, and 1 scientific dissemination project

Experienced in supervising master thesis (see "teaching experience section")

H index (google scholar): 4

Number of citations (google scholar): 65



## Jorge López Parages

Surname(s): **López Parages**  
 Name: **Jorge**  
 DNI: **53159729J**  
 Date of birth: **10/05/1983**  
 Gender: **Male**  
 Nationality: **Spain**  
 Country of birth: **Spain**  
 Aut. region/reg. of birth: **Andalusia**  
 City of birth: **Málaga**  
 Contact address: **C/ Reyes 3, 3ª Dcha**  
 Postcode: **28015**  
 Contact country: **Spain**  
 Contact city: **Madrid**  
 Email: **parages@fis.ucm.es**  
 Mobile phone: **650247383**

### Current professional situation

**Employing entity:** Universidad Complutense de Madrid **Type of entity:** University

**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología, Facultad de Ciencias Físicas

**Professional category:** POSTDOCTORAL RESEARCH ASSOCIATE

**Start date:** 16/09/2017

**Type of contract:** Temporary employment contract **Dedication regime:** Full time

**Primary (UNESCO code):** 250200 - Climatology

**Secondary (UNESCO code):** 250106 - Atmospheric dynamics

**Tertiary (UNESCO code):** 251008 - Sea-air interactions

**Performed tasks:** Understanding the possible impacts of large-scale climatic phenomena on the small pelagic fish dynamics in the North West African Upwelling System. The associated potential predictability of the spatio-temporal distribution of species of fish with a vested commercial interest in this region, is also being explored.

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Università Ca'Foscari	POSTDOCTORAL RESEARCH ASSOCIATE (PREFACE PROJECT)	11/01/2016
2	Universidad Complutense de Madrid	RESEARCHER HIRED UNDER THE PROJECT MULCLIVAR	01/04/2015
3	Universidad Complutense de Madrid	PhD - RESEARCH CONTRACT (FPI GRANT ASSOCIATED WITH THE TRACS PROJECT)	01/10/2010

	Employing entity	Professional category	Start date
4	Universidad Complutense de Madrid	RESEARCHER HIRED UNDER THE PROJECT MOVAC	15/12/2009
5	Universidad Complutense de Madrid	RESEARCHER HIRED UNDER THE PROJECT DESIREX	22/01/2009

- 1** **Employing entity:** Università Ca'Foscari **Type of entity:** University  
**Department:** Dipartimento di Scienze Ambientali, Informatica e Statistica, Dipartimento di Scienze Ambientali, Informatica e Statistica  
**City employing entity:** Venice, Veneto, Italy  
**Professional category:** POSTDOCTORAL RESEARCH ASSOCIATE (PREFACE PROJECT) **Educational Management (Yes/No):** No  
**Start-End date:** 11/01/2016 - 10/07/2017 **Duration:** 1 year - 6 months  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 250200 - Climatology; 251008 - Sea-air interactions  
**Secondary (UNESCO code):** 250106 - Atmospheric dynamics  
**Tertiary (UNESCO code):** 250121 - Numerical modelling  
**Performed tasks:** Understanding the possible impacts of large-scale climatic phenomena on the small pelagic fish dynamics in the North West African Upwelling System. The associated potential predictability of the spatio-temporal distribution of species of fish with a vested commercial interest in this region, is also being explored.  
**Field of management activity:** University  
**Applicability in teaching and/or research:** Seasonal prediction of the small pelagic fish dynamics in the North West African upwelling system.
- 2** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Department:** Departamento de Física de la Tierra, Astronomía y Astrofísica I (UCM), Facultad de Ciencias Físicas  
**City employing entity:** Madrid, Community of Madrid, Spain  
**Professional category:** RESEARCHER HIRED UNDER THE PROJECT MULCLIVAR **Educational Management (Yes/No):** No  
**Start-End date:** 01/04/2015 - 31/12/2015 **Duration:** 9 months  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 250200 - Climatology  
**Secondary (UNESCO code):** 250106 - Atmospheric dynamics  
**Tertiary (UNESCO code):** 250121 - Numerical modelling  
**Field of management activity:** University
- 3** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Department:** Departamento de Física de la Tierra, Astronomía y Astrofísica I (UCM), Facultad de Ciencias Físicas  
**City employing entity:** Madrid, Community of Madrid, Spain  
**Professional category:** PhD - RESEARCH CONTRACT (FPI GRANT ASSOCIATED WITH THE TRACS PROJECT) **Educational Management (Yes/No):** Yes  
**Start-End date:** 01/10/2010 - 30/09/2014 **Duration:** 4 years  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time



**Primary (UNESCO code):** 250200 - Climatology  
**Secondary (UNESCO code):** 250106 - Atmospheric dynamics  
**Tertiary (UNESCO code):** 250121 - Numerical modelling  
**Field of management activity:** University

- 4** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Department:** Departamento de Física de la Tierra, Astronomía y Astrofísica I (UCM), Facultad de Ciencias Físicas  
**City employing entity:** Madrid, Community of Madrid, Spain  
**Professional category:** RESEARCHER HIRED **Educational Management (Yes/No):** No UNDER THE PROJECT MOVAC  
**Start-End date:** 15/12/2009 - 30/09/2010 **Duration:** 9 months - 15 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 250200 - Climatology  
**Secondary (UNESCO code):** 250106 - Atmospheric dynamics  
**Tertiary (UNESCO code):** 250121 - Numerical modelling  
**Field of management activity:** University
- 5** **Employing entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Department:** Departamento de Física de la Tierra, Astronomía y Astrofísica II (UCM), Facultad de Ciencias Físicas  
**City employing entity:** Madrid, Community of Madrid, Spain  
**Professional category:** RESEARCHER HIRED **Educational Management (Yes/No):** No UNDER THE PROJECT DESIREX  
**Start-End date:** 22/01/2009 - 31/03/2009 **Duration:** 2 months - 10 days  
**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Primary (UNESCO code):** 250900 - Meteorology  
**Secondary (UNESCO code):** 250106 - Atmospheric dynamics  
**Tertiary (UNESCO code):** 250200 - Climatology  
**Field of management activity:** University



## Education

### University education

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

**University degree:** Higher degree

**Name of qualification:** 5-year Degree in Physics

**City degree awarding entity:** Madrid, Community of Madrid, Spain

**Degree awarding entity:** Universidad Complutense **Type of entity:** University de Madrid

**Date of qualification:** 24/07/2008

**Standardised degree:** Yes

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Física (REAL DECRETO 1393/2007)

**Degree awarding entity:** Universidad Complutense **Type of entity:** University de Madrid

**City degree awarding entity:** Madrid, Community of Madrid, Spain

**Date of degree:** 30/11/2015

**DEA awarding entity:** Universidad Complutense de Madrid

**Date DEA was awarded:** 23/11/2009

**European doctorate:** Yes

**Date of certificate:** 30/11/2015

**Thesis title:** Non-stationary ENSO influence on European and Mediterranean rainfall: Dynamics and Modulations

**Thesis director:** María Belén Rodríguez de Fonseca

**Obtained qualification:** Sobresaliente "CUM LAUDE"

**Recognition of quality:** Yes

#### Other postgraduate university studies

**1 Type of education:** Masters

**Postgraduate qualification:** Master in Geophysics and Meteorology

**City degree awarding entity:** Madrid, Community of Madrid, Spain

**Degree awarding entity:** Universidad Complutense **Type of entity:** University de Madrid

**Faculty, institute or centre:** Facultad de Ciencias Físicas

**Date of qualification:** 23/11/2009

**Obtained qualification:** Sobresaliente (9.5)

**2 Type of education:** Postgraduate

**Postgraduate qualification:** Curso de Aptitud Pedagógica (CAP)

**City degree awarding entity:** Madrid, Community of Madrid, Spain

**Type of entity:** University



**Degree awarding entity:** Universidad Complutense de Madrid

**Faculty, institute or centre:** Facultad de Educación

**Date of qualification:** 18/03/2009

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

- 1** **Type of training:** Course  
**Training title:** Summer School on Ecology of Eastern Boundary Upwelling Systems  
**City awarding entity:** Saint-Louis, Senegal  
**Awarding entity:** Volkswagen Stiftung **Type of entity:** Foundation  
**End date:** 30/04/2016 **Duration in hours:** 40 hours
- 2** **Type of training:** Course  
**Training title:** The Nansen Tutu Summer School on Ocean, Climate and Marine Ecosystem  
**City awarding entity:** Cape Town, South African Republic  
**Awarding entity:** Comisión Europea **Type of entity:** Comission  
**End date:** 08/12/2014 **Duration in hours:** 48 hours
- 3** **Type of training:** Course  
**Training title:** Management of the UCLA ocean-atmosphere model outputs  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Training manager:** Teresa Losada Doval  
**End date:** 12/11/2010 **Duration in hours:** 12 hours
- 4** **Type of training:** Course  
**Training title:** B1E Star Diver course (International certificate of the World underwater federation)  
**City awarding entity:** Málaga, Andalusia, Spain  
**Awarding entity:** Federación española de actividades subacuáticas **Type of entity:** Federación Española  
**Training manager:** Jose Antonio Moreno Peña  
**End date:** 20/08/2010
- 5** **Type of training:** Course  
**Training title:** The UCLA Model: Description, Compilation and Running  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Training manager:** Heng Xiao  
**End date:** 30/06/2010 **Duration in hours:** 80 hours
- 6** **Type of training:** Course  
**Training title:** Advanced course on Linux  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** AULA SUN-UCM de Software Libre de la Universidad Complutense de Madrid  
**End date:** 21/11/2008 **Duration in hours:** 12 hours





- 7** **Type of training:** Course  
**Training title:** Induction course on Linux  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Awarding entity:** AULA SUN-UCM de Software Libre de la Universidad Complutense de Madrid  
**End date:** 29/10/2008 **Duration in hours:** 4 hours

## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French	A2	A2	A2	A2	A2
Italian	B1	B1	B1	B1	B1
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

## Teaching experience

### General teaching experience

- 1** **Type of teaching:** Official teaching  
**Name of the course:** Física  
**Type of programme:** Bachelor's degree **Type of teaching:** Laboratory work  
**Type of subject:** Core  
**University degree:** Licenciado en Ciencias Geológicas  
**Start date:** 02/2014 **End date:** 06/2014  
**End date:** 06/2014 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 24  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Geológicas  
**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología  
**City of entity:** University, Community of Madrid, Spain
- 2** **Type of teaching:** Official teaching  
**Name of the course:** Física de la Atmósfera  
**Type of programme:** Bachelor's degree **Type of teaching:** In person theory  
**Type of subject:** Optional  
**University degree:** Licenciado en Ciencias Físicas  
**Start date:** 02/2014 **End date:** 06/2014  
**End date:** 06/2014 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 6  
**Entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias Físicas  
**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología  
**City of entity:** University, Community of Madrid, Spain
- 3** **Type of teaching:** Official teaching  
**Name of the course:** Laboratorio de Computación Científica  
**Type of programme:** Bachelor's degree **Type of teaching:** Laboratory work



**Type of subject:** Obligatory

**University degree:** Licenciado en Ciencias Físicas

**Start date:** 02/2011

**End date:** 06/2011

**End date:** 06/2011

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

**Hours/ECTS credits:** 90

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Físicas

**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología

**City of entity:** University, Community of Madrid, Spain

**4 Type of teaching:** Official teaching

**Name of the course:** Oceanografía Física

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

**Type of teaching:** Laboratory work

**Type of subject:** Optional

**University degree:** Licenciado en Ciencias Físicas

**Start date:** 02/2011

**End date:** 06/2011

**End date:** 06/2011

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

**Hours/ECTS credits:** 6

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Físicas

**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología

**City of entity:** University, Community of Madrid, Spain

**5 Type of teaching:** Official teaching

**Name of the course:** Laboratorio de Física General

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

**Type of teaching:** Laboratory work

**Type of subject:** Obligatory

**University degree:** Licenciado en Ciencias Físicas

**Start date:** 09/2009

**End date:** 09/2010

**End date:** 09/2010

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

**Hours/ECTS credits:** 90

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias Físicas

**Department:** Física de la Tierra, Astronomía y Astrofísica I: Geofísica y Meteorología

**City of entity:** University, Community of Madrid, Spain

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

**Project title:** Estudio de la influencia de diferentes tipos de eventos ENSO en el sistema de afloramiento del África del Norte occidental

**Type of project:** Proyecto Fin de Máster (TFM)

**Co-director of thesis:** Jorge López Parages; Belén Rodríguez Fonseca

**Entity:** Universidad Complutense de Madrid

**Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Student:** Aída Marín Pérez

**Obtained qualification:** 9.5

**Date of reading:** 06/07/2017



## Scientific and technological experience

### Research and development groups/teams

**Name of the group:** Micrometeorología y Variabilidad Climática  
**Aims of the group:** Grupo de Investigación Consolidado UCM (910437)  
**Name of principal investigator:** María Belén Rodríguez de Fonseca  
**City of group:** Madrid, Community of Madrid, Spain  
**Affiliation entity:** Universidad Complutense de Madrid **Type of entity:** University  
**Identify key words:** Climatology  
**Start date:** 15/12/2009

### Scientific or technological activities

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

- 1 Name of the project:** PREFACE - Enhancing Prediction of Tropical Atlantic Climate and its impacts  
**Geographical area:** European Union  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universitetet i Bergen (UiB) **Type of entity:** University  
**City of entity:** Bergen, Norway  
**Name principal investigator (PI, Co-PI...):** Noel Keenlyside  
**Funding entity or bodies:** Comisión Europea  
**Type of entity:** Funded by the European Commission's Seventh Framework Programme (2007-2013) – Cooperation (ENV.2013.6.1-1: Climate-related ocean processes and combined impacts of multiple stressors on the marine environment); under Grant Agreement number 603521.  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Team member  
**Start-End date:** 01/11/2013 - 31/10/2017 **Duration:** 4 years  
**Participating entity/entities:** 28 partners across 18 countries in Europe and Africa  
**Total amount:** 8.999.433 €
- 2 Name of the project:** Multiscale climate variability. Agronomical and economic impacts.  
**Geographical area:** National  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI...):** María Belén Rodríguez de Fonseca  
**Nº of researchers:** 7  
**Funding entity or bodies:**



Ministerio de Ciencia e Innovación

**Type of entity:** Ministerio

**City funding entity:** Madrid, Community of Madrid, Spain

**Type of participation:** Team member

**Code according to the funding entity:** CGL2012-38923-C02-01

**Start-End date:** 01/02/2013 - 31/01/2016

**Total amount:** 229.320 €

**3 Name of the project:** Resources update of the Physics laboratory Simeon Fongang (Atmosphere and Ocean) at UCAD - Senegal

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad Complutense de Madrid

**Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI....):** Elsa Mohino Harris

**Nº of researchers:** 7

**Funding entity or bodies:**

Universidad Complutense de Madrid

**Type of entity:** University

**City funding entity:** Madrid, Community of Madrid, Spain

**Type of participation:** Team member

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

**Total amount:** 20.534 €

**4 Name of the project:** Short term climate change predictability and projections

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad Complutense de Madrid

**Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI....):** Elsa Mohino Harris

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

**Type of entity:** Ministerio

**City funding entity:** Madrid, Community of Madrid, Spain

**Type of participation:** Team member

**Code according to the funding entity:** CGL2011-13564-E

**Start-End date:** 01/02/2012 - 31/01/2013

**Total amount:** 35.000 €

**5 Name of the project:** Tropical Atlantic Variability and the Climate Shift

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad Complutense de Madrid

**Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI....):** María Belén Rodríguez de Fonseca

**Nº of researchers:** 8

**Funding entity or bodies:**

Ministerio de Ciencia e Innovación

**Type of entity:** Body, others

**City funding entity:** Madrid



**Type of participation:** Team member  
**Code according to the funding entity:** CGL2009-10285  
**Start-End date:** 01/01/2009 - 31/12/2012  
**Total amount:** 196.020 €

**6 Name of the project:** Creation and donation of a forecast statistical model of the Sahelian rainfall

**Geographical area:** Regional

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI...):** María Belén Rodríguez de Fonseca

**Funding entity or bodies:**

Vicerrectorado de Relaciones Institucionales e Investigación de la Universidad Complutense de Madrid

**City funding entity:** Madrid, Community of Madrid, Spain

**Type of participation:** Team member

**Code according to the funding entity:** VR: 101/11

**Start-End date:** 01/01/2011 - 01/01/2012

**Total amount:** 29.340 €

**7 Name of the project:** Micrometeorología y Variabilidad Climática

**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI...):** María Belén Rodríguez de Fonseca; Carlos Yagüe Anguís

**Nº of researchers:** 20

**Funding entity or bodies:**

BANCO SANTANDER, S.A.

**City funding entity:** Community of Madrid, Spain

**Start-End date:** 01/01/2009 - 31/12/2011

**Total amount:** 29.340 €

**8 Name of the project:** Global Climate Modelization by means of a hierarchy of climate models: Application to the Iberian Peninsula (MOVAC, Ref: 20080005008402)

**Geographical area:** National

**Degree of contribution:** Researcher

**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University

**City of entity:** Madrid, Community of Madrid, Spain

**Name principal investigator (PI, Co-PI...):** Maria Luisa Montoya Redondo

**Nº of researchers:** 23

**Funding entity or bodies:**

Ministerio de Medio Ambiente y Medio Rural y Marino

**City funding entity:** Madrid

**Type of participation:** Team member

**Start-End date:** 01/12/2008 - 01/12/2011

**Total amount:** 408.653,72 €



**9** **Name of the project:** DESIREX experimental campaign: Studying the Urban Heat Island effect in Madrid  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** Emiliano Hernández Martín  
**Type of participation:** Team member  
**Code according to the funding entity:** CGL2006-27855-E  
**Start-End date:** 22/01/2009 - 31/03/2009

**10** **Name of the project:** Virtual laboratory of meteorology and climate  
**Geographical area:** Regional  
**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad Complutense de Madrid **Type of entity:** University  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** María Belén Rodríguez Fonseca  
**N° of researchers:** 30  
**Funding entity or bodies:** Universidad Complutense de Madrid **Type of entity:** University  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Team member  
**Code according to the funding entity:** BSCH-UCM  
**Start date:** 01/06/2011  
**Total amount:** 3.000 €

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

**1** Jorge López Parages; Belén Rodríguez Fonseca; Elsa Mohino; Teresa Losada. Multidecadal modulation of ENSO teleconnection with Europe in late winter: Analysis of CMIP5 models. Journal of Climate. American Meteorological Society, 15/11/2016. Available on-line at: <<http://journals.ametsoc.org/doi/abs/10.1175/JCLI-D-15-0596.1>>.  
**DOI:** <http://dx.doi.org/10.1175/JCLI-D-15-0596.1>  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Total no. authors:** 4 **Corresponding author:** Yes  
**Impact source:** ISI **Category:** Atmospheric Science  
**Impact index in year of publication:** 4.85 **Journal in the top 25%:** Yes  
**Position of publication:** 7 **No. of journals in the cat.:** 84  
**Relevant publication:** Yes

- 2** Maeregu Woldeyes Arisido; Carlo Gaetan; Davide Zanchettin; Jorge López Parages; Angelo Rubino. Spatio-temporal quantification of climate model errors in a Bayesian framework. Environmental and Ecological Statistics. Springer, Available on-line at: <(under review; ID: EEST-D-17-00076)>.  
**DOI:** EEST-D-17-00076  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 0.688  
**Position of publication:** 86  
**Relevant publication:** Yes  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - STATISTICS & PROBABILITY  
**Journal in the top 25%:** No  
**No. of journals in the cat.:** 124
- 3** Blanca Ayarzagüena; Jorge López Parages; Maddalen Iza; Natalia Calvo; Belén Rodríguez Fonseca. Stratospheric role in interdecadal changes of El Niño impacts over Europe. Journal of Climate. American Meteorological Society, Available on-line at: <(under review; CLDY-D-17-00640)>.  
**Review procedure code:** CLDY-D-17-00640  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 4.161  
**Position of publication:** 10  
**Relevant publication:** Yes  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - METEOROLOGY & ATMOSPHERIC SCIENCES  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 85
- 4** Jorge López Parages; Belén Rodríguez Fonseca; Dietmar Dommenges; Claudia Frauen. ENSO influence on the North Atlantic European climate: A non-linear and non-stationary approach. Climate Dynamics. 47, pp. 2071 - 2084. Springer, 28/09/2016. Available on-line at: <<http://link.springer.com/article/10.1007/s00382-015-2951-0>>. ISSN 0930-7575  
**DOI:** 10.1007/s00382-  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 4  
**Impact source:** ISI  
**Impact index in year of publication:** 4.7  
**Position of publication:** 8  
**Source of citations:** SCOPUS  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Atmospheric Science  
**Journal in the top 25%:** Yes  
**No. of journals in the cat.:** 84  
**Citations:** 1
- 5** Belén Rodríguez Fonseca; Roberto Suárez; Blanca Ayarzagüena; Jorge López Parages; Iñigo Gómara; Julián Villamayor; Elsa Mohino; Teresa Losada; Antonio Castaño Tierno. A Review of ENSO Influence on the North Atlantic. A Non-Stationary Signal. Atmosphere: Special Issue "El Niño Southern Oscillation". 7, Atmosphere Editorial Office, 25/06/2016. Available on-line at: <<http://www.mdpi.com/2073-4433/7/7/87>>. ISSN 2073-4433  
**Type of production:** Scientific paper  
**Position of signature:** 4  
**Total no. authors:** 9  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No



**Impact source:** ISI  
**Impact index in year of publication:** 1.221

**Category:** Atmospheric Science  
**Journal in the top 25%:** No

- 6** Jorge López Parages; Belén Rodríguez Fonseca; Laurent Terray. A mechanism for the multidecadal modulation of ENSO teleconnection with Europe. *Climate Dynamics*. 45, pp. 867 - 880. Springer, 27/06/2015. ISSN 0930-7575

**DOI:** 10.1007/s00382-014-2

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 3

**Impact source:** ISI

**Impact index in year of publication:** 4,7

**Position of publication:** 8

**Source of citations:** SCOPUS

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

**Category:** Atmospheric Science

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

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

**Citations:** 7

- 7** Jorge López Parages; Julián Villamayor; Iñigo Gómara; Teresa Losada; Marta Martín del Rey; Elsa Mohino; Irene Polo; Belén Rodríguez de Fonseca; Roberto Suárez. Nonstationary interannual teleconnections modulated by multidecadal variability. *Física de la Tierra: Climate variability and teleconnections in West Africa and the Mediterranean*. 25, pp. 11 - 39. PUBLICACIONES UNIVERSIDAD COMPLUTENSE DE MADRID, 31/12/2013. ISSN 0214-4557

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 9

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

- 8** Jorge López Parages; Belén Rodríguez Fonseca. Multidecadal modulation of El Niño influence on the Euro-Mediterranean rainfall. *Geophysical Research Letters*. 39, American Geophysical Union, 20/01/2012. Available on-line at: <<http://onlinelibrary.wiley.com/doi/10.1029/2011GL050049/full>>. ISSN 1944-8007

**DOI:** 10.1029/2011GL050049

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 2

**Impact source:** ISI

**Impact index in year of publication:** 3,982

**Position of publication:** 13

**Source of citations:** SCOPUS

**Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes

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

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

**No. of journals in the cat.:** 184

**Citations:** 22

- 9** Belén Rodríguez de Fonseca; Jorge López Parages; Miriam Capa; Elsa Mohino; Teresa Losada; Iñigo Gómara; Roberto Suárez; Julián Villamayor; Margarita Ruíz. Proyecciones de clima, variabilidad climática, y las aplicaciones que se podrían derivar en el ámbito de la gestión de riesgos. *El seguro agrario y la gestión de riesgos en la producción agropecuaria 2013-2015*. pp. 55 - 78. Madrid, Community of Madrid(Spain): Ministerio de Agricultura, Alimentación y Medio Ambiente (Catálogo de Publicaciones de la Administración General del Estado), 20/05/2016.

**Type of production:** Book chapter

**Position of signature:** 2

**Total no. authors:** 5

**Format:** Book

**Degree of contribution:** Author or co-author of chapter in book

**Corresponding author:** No





- 10** Jorge López Parages; Belén Rodríguez Fonseca. Multidecadal Modulation of El Niño influence on the leading Euro-Mediterranean rainfall mode. Spanish Association of Climatology Publications A-series. 8, 28/09/2012. ISBN 978-8-4695-4331-3  
**Type of production:** Scientific book or monograph      **Format:** Journal  
**Position of signature:** 1  
**Total no. authors:** 2      **Corresponding author:** Yes
- 11** Jorge López Parages; Belén Rodríguez Fonseca. La Transición Climática y la variabilidad climática en la región Mediterránea. Meteorología Y Energías Renovables. XXXI Jornadas Científicas de la Asociación Meteorológica Española. 27/03/2010. ISBN 978-8-4613-9596-5  
**Type of production:** Scientific book or monograph      **Format:** Book  
**Corresponding author:** Yes

### Works submitted to national or international conferences

- 1** **Title of the work:** Climate influence on the North West African fisheries: a large-scale perspective  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2017  
**Type of event:** Conference      **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 28/04/2017  
**Organising entity:** European Geosciences Union      **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca; Timothee Brochier; Pierre-Amaël Auger; Carlo Gaetan; Angelo Rubino; Noel Keenlyside; Davide Zanchettin; Maeregu Woldeyes Arisido. "Geophysical Research Abstracts, Vol. 19". ISSN 1607-7962
- 2** **Title of the work:** Stratospheric role in the multi-decadal variability of the El Niño signal in European rainfall  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2017  
**Type of event:** Conference      **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** No  
**City of event:** Viena, Austria  
**Date of event:** 28/04/2017  
**Organising entity:** European Geosciences Union      **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Blanca Ayarzagüena; Maddalen Iza; Jorge López Parages; Belén Rodríguez Fonseca; Natalia Calvo. "Geophysical Research Abstracts, Vol. 19". ISSN 1607-7962
- 3** **Title of the work:** Climate influence on the North West African fisheries: a large-scale perspective  
**Name of the conference:** PREFACE-PIRATA-CLIVAR Tropical Atlantic Variability Conference  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Paris, France  
**Date of event:** 28/11/2016  
**Organising entity:** PREFACE project - PIRATA program - CLIVAR  
Jorge López Parages; María Belén Rodríguez de Fonseca; Timothee Brochier; Carlo Gaetan; Angelo Rubino; Davide Zanchettin; Maeregu W.Arisido; Noel Keenlyside; Pierre-Amael Auger. "PREFACE-PIRATA-CLIVAR Tropical Atlantic Variability Conference: Book of Abstracts".



- 4** **Title of the work:** ENSO influence on the North Atlantic European climate: a non-linear and non-stationary approach  
**Name of the conference:** THEMES 2016: Measuring, Modelling and Predicting Marine Environments. State of the Art and Challenges  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Venice, Veneto, Italy  
**Date of event:** 23/11/2016  
**Organising entity:** Ca Foscari University **Type of entity:** University  
**City organizing entity:** Venice,  
Jorge López Parages; María Belén Rodríguez de Fonseca; Dietmar Dommenget; Claudia Frauen.
- 5** **Title of the work:** ENSO influence on the North Atlantic European climate: a non-linear and non-stationary approach  
**Name of the conference:** ICTP Workshop on Teleconnections in the Present and Future Climate  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Trieste, Friuli-Venezia Giulia, Italy  
**Date of event:** 24/10/2016  
**End date:** 28/10/2016  
**Organising entity:** The Abdus Salam International Centre for Theoretical Physics (ICTP)  
Jorge López Parages; Belén Rodríguez Fonseca; Dietmar Dommenget; Claudia Frauen; Laurent Terray; Elsa Mohino; Teresa Losada.
- 6** **Title of the work:** ENSO influence on the North Atlantic European climate: a non-linear and non-stationary approach  
**Name of the conference:** 16th European Meteorological Society Annual Meeting & 11th European Conference on Applied Climatology  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Trieste, Friuli-Venezia Giulia, Italy  
**Date of event:** 12/09/2016  
**End date:** 16/09/2016  
**Organising entity:** European Meteorological Society **Type of entity:** Associations and Groups  
Jorge López Parages; Belén Rodríguez Fonseca; Dietmar Dommenget; Claudia Frauen.
- 7** **Title of the work:** Multidecadal modulation of ENSO teleconnection with Europe in CMIP5 models  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2016  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - others  
**Corresponding author:** No  
**City of event:** Viena, Austria  
**Date of event:** 20/04/2016  
**Organising entity:** European Geosciences Union **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca; Elsa Mohino; Teresa Losada. "Geophysical Research Abstracts, Vol. 18". ISSN 1607-7962



- 8** **Title of the work:** Multidecadal Modulation of ENSO teleconnection with Europe  
**Name of the conference:** International Symposium CLIMATE-ES 2015 "Progress on climate change detection and projections over Spain since the findings of the IPCC AR5 Report"  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Tortosa, Catalonia, Spain  
**Date of event:** 11/03/2015  
**End date:** 13/03/2015  
**Organising entity:** CLIVAR, AEC, AME, WCRP, OECC, Ministerio de Agricultura, Alimentación y Medio Ambiente  
**Type of entity:** Non-profit international union  
**City organizing entity:** Universitat Rovira i Virgili, Catalonia, Spain  
Jorge López Parages; Belén Rodríguez de Fonseca; Dietmar Dommenges; Claudia Frauen.
- 9** **Title of the work:** Is El Niño impact over the European rainfall modulated by natural multidecadal variability ?  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2014  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 02/05/2014  
**Organising entity:** European Geosciences Union  
**Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca; Laurent Terray. "Geophysical Research Abstracts, Vol. 16". ISSN 1607-7962
- 10** **Title of the work:** ENSO-North Atlantic European climate: a nonstationary teleconnection?  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2014  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 01/05/2014  
**Organising entity:** European Geosciences Union  
**Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Dietmar Dommenges; Belén Rodríguez Fonseca; Claudia Frauen. "Geophysical Research Abstracts, Vol. 16". ISSN 1607-7962
- 11** **Title of the work:** Is El Niño impact over the European rainfall modulated by natural multidecadal variability?  
**Name of the conference:** XXXIII Jornadas Científicas de la Asociación Meteorológica Española: Tiempo, Clima y Sociedad  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Oviedo, Principality of Asturias, Spain  
**Date of event:** 09/04/2014  
**Organising entity:** Asociación Meteorológica Española  
**Type of entity:** Non-profit national union  
Jorge López Parages; Belén Rodríguez Fonseca. "Meteorología y Energías Renovables, XXXIII Jornadas Científicas de la Asociación Meteorológica Española". ISBN 978-84-613-9596-5



- 12** **Title of the work:** Nonstationary relationship between the Euro-Mediterranean rainfall and the El Niño phenomenon  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2013  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 07/04/2013  
**Organising entity:** European Geosciences Union      **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca. "Geophysical Research Abstracts, Vol. 15". ISSN 1607-7962
- 13** **Title of the work:** Nonstationary relationship between the Euro-Mediterranean rainfall and the El Niño phenomenon  
**Name of the conference:** MedCLIVAR Final Conference 2012. The climate of the Mediterranean region: understanding its evolution and effects on environment and societies  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 26/09/2012  
**Organising entity:** MedCLIVAR - Mediterranean Climate Variability and Predictability  
Jorge López Parages; Belén Rodríguez Fonseca. "MedClivar Final Conference 2012: Book of Abstracts".
- 14** **Title of the work:** Multidecadal Modulation of El Niño influence on the leading Euro-Mediterranean rainfall mode  
**Name of the conference:** 8th International Meeting of the Spanish Association of Climatology  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Madrid, Spain  
**Date of event:** 25/09/2012  
**End date:** 28/09/2012  
**Organising entity:** Spanish Association of Climatology Publications      **Type of entity:** Non-profit national union  
**City organizing entity:** Madrid,  
Jorge López Parages; Belén Rodríguez Fonseca. "Spanish Association of Climatology Publications A-series, nº8 . ISSN: 978-84-695-4331-3".
- 15** **Title of the work:** Modulación Multidecadal de la Teleconexión entre El Niño y la Precipitación en Europa y el área mediterránea  
**Name of the conference:** XXXII Jornadas Científicas de la Asociación Meteorológica Española y el 11º Encuentro Hispano-Luso  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 28/05/2012  
**Organising entity:** Asociación Meteorológica Española      **Type of entity:** non-profit national union  
Jorge López Parages; Belén Rodríguez Fonseca. "Meteorología y Energías Renovables, XXXII Jornadas Científicas de la Asociación Meteorológica Española". ISBN 978-84-613-9596-5



- 16** **Title of the work:** Multidecadal Modulation of El Niño influence on the Euro-Mediterranean rainfall  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2012  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 22/04/2012  
**Organising entity:** European Geosciences Union      **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca. "Geophysical Research Abstracts, Vol. 14". ISSN 1607-7962
- 17** **Title of the work:** Multidecadal Modulation of ENSO influence on the interannual Euro-Mediterranean rainfall  
**Name of the conference:** WCRP Open Science Conference 2011: Climate Research in Service to Society  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Denver (Colorado), United States of America  
**Date of event:** 24/10/2011  
**Organising entity:** World Climate Research Programme  
**City organizing entity:** Denver (Colorado), United States of America  
Jorge López Parages; Belén Rodríguez Fonseca. "Book of Abstracts".
- 18** **Title of the work:** Multidecadal Modulation of the interannual rainfall variability over the Euro-Mediterranean region  
**Name of the conference:** WCRP Open Science Conference 2011: Climate Research in Service to Society  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Denver (Colorado), United States of America  
**Date of event:** 24/10/2011  
**End date:** 28/10/2011  
**Organising entity:** World Climate Research Programme  
**City organizing entity:** Denver (Colorado), United States of America  
Jorge López Parages; Belén Rodríguez Fonseca. "Book of Abstracts".
- 19** **Title of the work:** Multidecadal Modulation of the interannual rainfall variability over the Euro-Mediterranean region  
**Name of the conference:** 11th European Meteorological Society Annual Meeting & 10th European Conference on Applications of Meteorology  
**Type of event:** Conference      **Geographical area:** European Union  
**Type of participation:** Participatory - others  
**Corresponding author:** No  
**City of event:** Berlin, Brandenburg - Nordost, Germany  
**Date of event:** 12/09/2011  
**Organising entity:** European Meteorological Society      **Type of entity:** Associations and Groups  
Jorge López Parages; Belén Rodríguez Fonseca.



- 20** **Title of the work:** The ENSO influence on the Euro-Mediterranean rainfall. A Multidecadal Modulated relationship?  
**Name of the conference:** MedCLIVAR Final Conference 2011. Mediterranean Climate: From Past to Future  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Lecce, Puglia, Italy  
**Date of event:** 06/06/2011  
**End date:** 09/06/2011  
**Organising entity:** MedCLIVAR - Mediterranean Climate Variability and Predictability  
**Type of entity:** International program sponsored by the European Science Foundation  
Jorge López Parages; Belén Rodríguez Fonseca. "MedClivar Final Conference 2011; Book of Abstracts".
- 21** **Title of the work:** Multidecadal Modulation of the interannual rainfall variability over the Euro-Mediterranean region  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2011  
**Type of event:** Conference  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 03/04/2011  
**Organising entity:** European Geosciences Union  
**Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca. "Geophysical Research Abstracts, Vol. 13". ISSN 1607-7962
- 22** **Title of the work:** The ENSO influence on the Euro-Mediterranean rainfall. A Multidecadal Modulated relationship?  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2011  
**Type of event:** Conference  
**Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 03/04/2011  
**Organising entity:** European Geosciences Union  
**Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca. "Geophysical Research Abstracts, Vol. 13". ISSN 1607-7962
- 23** **Title of the work:** The Climate Shift and the Climate Variability in the Mediterranean Region  
**Name of the conference:** IV Hydrological cycle in Mediterranean Experiment Workshop (HYMEX)  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Bolonia, Emilia-Romagna, Italy  
**Date of event:** 08/06/2010  
**End date:** 10/06/2010  
**Organising entity:** Hydrological cycle in the Mediterranean Experiment  
**City organizing entity:** Bolonia, Italy  
Jorge López Parages; Belén Rodríguez Fonseca. "4th HyMeX Workshop, Book of Abstracts".



- 24** **Title of the work:** The Climate Shift and the Climate Variability in the Mediterranean Region  
**Name of the conference:** European Geosciences Union (EGU) General Assembly 2010  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**Corresponding author:** Yes  
**City of event:** Viena, Austria  
**Date of event:** 02/05/2010  
**Organising entity:** European Geosciences Union      **Type of entity:** Non-profit international union  
**City organizing entity:** Viena, Austria  
Jorge López Parages; Belén Rodríguez Fonseca. "Geophysical Research Abstracts, Vol. 12". ISSN 1607-7962
- 25** **Title of the work:** Modulación Multidecadal de la Teleconexión entre El Niño y la Precipitación en Europa y el área mediterránea  
**Name of the conference:** XXXI Jornadas Científicas de la Asociación Meteorológica Española y el 10º Encuentro Hispano-Luso  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**Corresponding author:** Yes  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 01/03/2010  
**End date:** 03/03/2010  
**Organising entity:** Asociación Meteorológica Española      **Type of entity:** Non-profit national union  
Jorge López Parages; Belén Rodríguez Fonseca. "Meteorología y Energías Renovables, XXXI Jornadas Científicas de la Asociación Meteorológica Española, ISBN: 978 – 84 – 613 -9596 – 5".

### Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** Non-stationary leading Euromediterranean rainfall-tropical SST coupled mode  
**Name of the event:** Periodic Seminar of the School of Mathematical Sciences  
**Corresponding author:** Yes  
**City of event:** Melbourne, Australia  
**Date of event:** 17/09/2013  
**End date:** 17/09/2013  
**Organising entity:** Monash University      **Type of entity:** University
- 2** **Title of the work:** Multidecadal modulation of El Niño influence on the Euro-Mediterranean rainfall: many questions remain open  
**Name of the event:** Periodic Seminar of the Climate modeling and Global change group (CERFACS)  
**Corresponding author:** Yes  
**City of event:** Toulouse, France  
**Date of event:** 20/02/2012  
**End date:** 20/02/2012  
**Organising entity:** European Center for Research & Advanced Training in Scientific Computation (CERFACS)      **Type of entity:** R&D Centre

## Other dissemination activities

- 1** **Title of the work:** Sobre el clima en el Atlántico Norte y su variabilidad  
**Name of the event:** Madri+d  
**Type of event:** Scientific dissemination article  
**Corresponding author:** No  
**City of event:** Madrid, 17/06/2014, Spain  
**Date of event:** 17/06/2014  
**Organising entity:** Fundación para el Conocimiento **Type of entity:** Foundation  
madri+d  
**City organizing entity:** Madrid, Community of Madrid, Spain  
**Type:** Popular science article  
María Belén Rodríguez de Fonseca; Iñigo Gómara Cardalliaguet; Jorge López Parages. En: Sobre el clima en el Atlántico Norte y su variabilidad. Community of Madrid (Spain): 17/06/2014. Available on-line at: <<http://www.madrimasd.org/informacionldi/analisis/analisis/analisis.asp?id=60730>>.
- 2** **Title of the work:** Clase sobre el fenómeno de El Niño  
**Name of the event:** La Complu en la calle  
**Type of event:** Fairs and exhibitions  
**City of event:** Madrid, 28/11/2012, Spain  
**Date of event:** 28/11/2012  
**City organizing entity:** Madrid, Community of Madrid, Spain

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

**Committee title:** Scientific Committee "THEMES 2016: Measuring, Modelling and Predicting Marine Environments. State of the Art and Challenges"  
**Primary (UNESCO code):** 251000 - Oceanography  
**Secondary (UNESCO code):** 250100 - Atmospheric sciences  
**Tertiary (UNESCO code):** 250200 - Climatology  
**Affiliation entity:** Università Ca Foscari  
**City affiliation entity:** Venice, Veneto, Italy  
**Start-End date:** 23/11/2016 - 25/11/2016

### Organization of R&D activities

- 1** **Title of the activity:** THEMES 2016: Measuring, Modelling and Predicting Marine Environments. State of the Art and Challenges  
**Type of activity:** Workshop **Geographical area:** Regional  
**Convening entity:** Università Ca Foscari  
**City convening entity:** Venice, Veneto, Italy  
**Type of participation:** Organiser  
**Start-End date:** 23/11/2016 - 25/11/2016





- 2** **Title of the activity:** "Atmósfera y Océano: La Meteorología en nuestras vidas, el clima en nuestras manos". XV Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 02/11/2015 - 15/11/2015
- 3** **Title of the activity:** "Atmósfera y Océano: el clima en nuestras manos". XIV Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Comunidad de Madrid  
**Geographical area:** European Union  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 03/11/2014 - 17/11/2014
- 4** **Title of the activity:** Mesa Redonda sobre Cambio Climático  
**Type of activity:** Scientific dissemination  
**Convening entity:** La Uni en la calle  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 09/03/2013 - 09/03/2013  
**Geographical area:** Regional  
**Type of entity:** Associations and Groups
- 5** **Title of the activity:** "Atmósfera y Océano: el clima en nuestras manos". XII Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 05/11/2012 - 18/11/2012
- 6** **Title of the activity:** "Atmósfera y Océano: el meteorología en nuestras vidas". XII Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 05/11/2012 - 18/11/2012



- 7** **Title of the activity:** "Atmósfera y Océano". XI Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 07/11/2011 - 20/11/2011
- 8** **Title of the activity:** "Atmósfera y Océano". X Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 08/11/2010 - 21/11/2010
- 9** **Title of the activity:** "Atmósfera y Océano". IX Semana de la Ciencia de la Comunidad de Madrid  
**Type of activity:** Scientific dissemination  
**Convening entity:** Comunidad de Madrid  
**Type of entity:** Dirección General de Universidades e Investigación de la Consejería de Educación, Juventud y Deporte de la Comunidad de Madrid  
**City convening entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Organiser  
**Start-End date:** 09/11/2009 - 22/11/2009
- 10** **Title of the activity:** Taller de Atmósfera y Océano para el Colegio Público República de Venezuela  
**Type of activity:** Scientific dissemination  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Colegio Público República de Venezuela  
**Type of participation:** Organiser  
**Start date:** 29/05/2014  
**Duration:** 1 day
- 11** **Title of the activity:** Taller de Atmósfera y Océano para "El día de la Ciencia del Colegio Público La Biznaga"  
**Type of activity:** Scientific dissemination  
**City of event:** Málaga, Andalusia, Spain  
**Convening entity:** Colegio Público La Biznaga  
**Type of participation:** Organiser  
**Start date:** 16/05/2014  
**Duration:** 1 day
- 12** **Title of the activity:** Scientific dissemination webpage: Virtual Laboratory of Meteorology and Climate  
**Type of activity:** Scientific dissemination  
**Convening entity:** Universidad Complutense de Madrid  
**Type of entity:** University  
**Type of participation:** Organiser  
**Start date:** 01/06/2011



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

**Name of the activity:** Review of scientific articles

**Performed tasks:** Reviewer of articles in scientific journals: About Bulletin of the American Meteorological Society (IF2016: 7.281; quartile 1) Journal of Climate (IF2015: 4.850; quartile 1) and Geophysical Research Letters (IF2015: 4.212, quartile 1)

**Entity where activity was carried out:** AMERICAN METEOROLOGICAL SOCIETY and AMERICAN GEOPHYSICAL UNION

**City of entity:** United States of America

**Type of activity:** Review of articles in scientific or technological journals

**Access system:** By public merit

**Start date:** 01/09/2016

## Other achievements

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

- 1** **Entity:** Ca Foscari University **Type of entity:** University  
**Faculty, institute or centre:** Dipartimento di Scienze Ambientali, Informatica e Statistica (DAIS)  
**City of entity:** Venice, Veneto, Italy  
**Start-End date:** 11/01/2016 - 10/07/2017 **Duration:** 18 months  
**Funding entity:** European PREFACE Project **Type of entity:** Public Research Body  
**Name of programme:** European PREFACE Project PREFACE, ref.603521; bando Rep.1064/2015 Prot.55504/III-13 del 20/11/2015  
**Goals of the stay:** Post-doctoral  
**Provable tasks:** Enhancing prediction of Tropical Atlantic climate and its impacts
- 2** **Entity:** Monash University **Type of entity:** University  
**Faculty, institute or centre:** School of Mathematical Sciences  
**City of entity:** Melbourne, Australia  
**Start-End date:** 23/09/2013 - 23/12/2013 **Duration:** 3 months  
**Funding entity:** Ministerio de Ciencia e Innovación **Type of entity:** Ministerio  
**Name of programme:** Ayudas a la movilidad predoctoral para la realización de estancias breves en centros de I+D 2012  
**Goals of the stay:** Doctorate
- 3** **Entity:** European Center for Research & Advanced Training in Scientific Computation (CERFACS) **Type of entity:** R&D Centre  
**City of entity:** Toulouse, France  
**Start-End date:** 10/02/2012 - 18/05/2012 **Duration:** 3 months  
**Funding entity:** Ministerio de Ciencia e Innovación **Type of entity:** Ministerio  
**Name of programme:** Ayudas a la movilidad predoctoral para la realización de estancias breves en centros de I+D 2011  
**Goals of the stay:** Doctorate



## Obtained grants and scholarships

**Name of the grant:** Formación de Personal Investigador (FPI-MICINN)  
**City awarding entity:** Madrid, Community of Madrid, Spain  
**Aims:** Pre-doctoral  
**Awarding entity:** Ministerio de Ciencia e Innovación **Type of entity:** Ministerio  
**Conferral date:** 06/02/2010 **Duration:** 4 years  
**Entity where activity was carried out:** Universidad Complutense de Madrid  
**Faculty, institute or centre:** Facultad de Ciencias Físicas

## Prizes, mentions and distinctions

- 1 Description:** EMS Young Scientist Award  
**Awarding entity:** European Meteorological Society  
**City awarding entity:** Trieste, Friuli-Venezia Giulia, Italy  
**Conferral date:** 13/09/2016
- 2 Description:** Young Scientist Award  
**Awarding entity:** Universidad de Salamanca y Asociación Española de Climatología  
**City awarding entity:** Salamanca, Castile and León, Spain  
**Conferral date:** 28/09/2012

## Summary of other achievements

- 1 Description of the achievement:** Asistencia a las Primeras Jornadas Científicas del Campus de Excelencia Internacional (CEI)  
**Accrediting entity:** Universidad Complutense de Madrid **Type of entity:** University  
**City accrediting entity:** Madrid, Community of Madrid, Spain  
**Conferral date:** 24/02/2011
- 2 Description of the achievement:** Asistencia a las Primeras Jornadas Malacitanas de Estudios Antárticos: La Antártida como indicador de cambio global  
**Accrediting entity:** Universidad Complutense de Madrid **Type of entity:** University  
**City accrediting entity:** Málaga, Andalusia, Spain  
**Conferral date:** 10/10/2008
- 3 Description of the achievement:** Asistencia al Primer Congreso Complutense de divulgación de Física Nuclear y de Partículas  
**Accrediting entity:** Universidad Complutense de Madrid **Type of entity:** University  
**City accrediting entity:** Madrid, Community of Madrid, Spain  
**Conferral date:** 08/07/2008