



**Ministerio de Economía y Competitividad.  
Secretaría de Estado de Investigación,  
Desarrollo e Innovación**

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## **Curriculum Vitae**

Full name: IÑIGO GÓMARA CARDALLIAGUET

Date: September 21, 2020

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**Personal Background Information****Family Name:** Gómara Cardalliaguet**First Name:** Iñigo**Date:** September 21, 2020**Date of Birth:** 17/03/1985**Gender:** Male

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**Current professional position****Institution/Organization:** Universidad Complutense de Madrid (UCM)**Department.:** Física de la Tierra y Astrofísica**Address:** Plaza de Ciencias, Ciudad Universitaria, 28040 Madrid.**Telephone number:** +34 913944513**Email:** i.gomara@ucm.es**Specialization (UNESCO Codes):** 2501.03; 2501.06; 2502.06; 2501.21, 2502**Professional Category:** Postdoctoral researcher

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**Research Lines**Climate variability. Climate Change. Extreme events. Climate Services.

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**Academic Data**

Degree	University/Grading	Date
Degree in Physics	University of Salamanca (2.04/4)	June 2009
Advanced Studies Diploma	University of Salamanca ( <i>Sobresaliente "cum laude"</i> )	March 2010
Master's Degree in Geophysics and Meteorology	Complutense University of Madrid (9.09/10)	October 2010
PhD in Physics <a href="http://eprints.ucm.es/35179/1/T36757.pdf">http://eprints.ucm.es/35179/1/T36757.pdf</a>	Complutense University of Madrid ( <i>Sobresaliente "cum laude"</i> )	November 2015

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**Former professional or scientific activities (including research grants)**

Position	Institution	Dates
Erasmus grant holder	School of Physics. University of Bristol.	September 2007 - June 2008
Collaboration Grant from the Ministry of Education and Sciences. Government of Spain.	Department of Atmospheric Physics. University of Salamanca (USAL)	November 2008 - July 2009
Grant holder of the Welfare projects "la Caixa" for Master studies.	Department of Geophysics and Meteorology. Complutense University of Madrid (UCM)	September 2009 - September 2010
Predoctoral researcher under contract	Department of Geophysics and Meteorology. Complutense University of Madrid (UCM)	April 2011 - December 2015
Postdoctoral researcher under contract	Department of Geophysics and Meteorology. Complutense University of Madrid (UCM)	May 2016 - January 2017
Postdoctoral researcher "Juan de la Cierva-Formación"	CEIGRAM. Technical University of Madrid (UPM)	February 2017- March 2019
Postdoctoral researcher under contract	Department of Geophysics and Meteorology. Complutense University of Madrid (UCM)	Since July 2019

ANECA 2018: Positive Evaluation for “Profesor Ayudante Doctor”.

**FOREIGN LANGUAGES SKILLS (A1 = elementary, A2 = basic, B1 =intermediate, B2 =upper intermediate, C1 = advanced, C2 = proficiency)**

Language	Speaking	Understanding	Writing
English	C1	C1	C1
TOEFL iBT: 99/120 Certificate in Advanced English (ESOL). University of Cambridge Advanced English Language Studies. University of Bristol Official School of Languages (Spain): Certificate in Advanced English level			
French	B2	B2	B1
Official School of Languages (Spain): Certificate in Intermediate French level			

#### STAYS IN FOREIGN CENTRES

(Key: D = doctoral, P = postdoctoral, I = invited, C = under contract, O = others.)

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##### Institut National de la Recherche Agronomique (INRA)

**Key: P**

**City:** Clermont-Ferrand

**Country:** France

**Date:** September 1, 2017

**Duration:** 14 weeks

**Subject:** Study of the influence of climate variability and change on vegetal production over Europe

**Funding by:** Technical University of Madrid. Programa Propio. Financial travel support for PDI research stays.

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##### Department of Meteorology (University of Reading)

**Key: D**

**City:** Reading

**Country:** UK

**Date:** November 10, 2013

**Duration:** 2 weeks

**Subject:** Large-scale dynamics associated with clustering of extra-tropical cyclones affecting Western Europe

**Funding by:** University of Reading

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##### Institute for Geophysics and Meteorology (University of Cologne)

**Key: D**

**City:** Cologne

**Country:** Germany

**Date:** October 1, 2012

**Duration:** 11 weeks

**Subject:** Dynamical analysis of explosive cyclones over Western Europe and implications for the dynamical and statistical downscaling of associated wind signatures.

**Funding by:** STSM COST Action: ES1102 – VALUE (<http://www.value-cost.eu/>)

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##### Institute for Geophysics and Meteorology (University of Cologne)

**Key: D**

**City:** Cologne

**Country:** Germany

**Date:** June 23, 2012

**Duration:** 3 weeks

**Subject:** Rossby Wave-Breaking analysis of Explosive cyclones in the Euro-Atlantic sector.

**Funding by:** University of Cologne

**Participation in R&D projects**  
(national and/or international, last five years)

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1. Title of project: **South and tropical Atlantic climate-based marine ecosystem prediction for sustainable management (TRIATLAS)**  
Funded by: EU H2020 (ref. 817578)  
Duration, from: 2019 up to: 2023  
Responsible Researcher UCM: Belén Rodríguez-Fonseca  
Webpage of the project: <https://triatlas.w.uib.no/>
2. Title of project: **Climate Predictability in the Atlantic sector (PRE4CAST)**  
Funded by: Spanish Ministry of Science, innovation and universities (CGL2017-86415-R)  
Duration, from: 2018 up to: 2020  
Responsible Researcher UCM: Elsa Mohino Harris
3. Title of project: **MOOC - How to manage agricultural and environmental risks?**  
Funded by: Universidad Politécnica de Madrid  
Duration, from: 2018 up to: 2019  
Responsible Researcher UPM: José María Sumpsi Viñas  
Webpage of the project: <https://miriadax.net/web/como-gestionar-los-riesgos-agrarios-y-ambientales->
4. Title of project: **Validation of the World Research Institute (WRI) classification of water deficit areas of interest to PepsiCo in the Iberian Peninsula**  
Funded by: PepsiCo Europe Support Center S.L.  
Duration, from: 2017 up to: 2018  
Responsible Researcher UPM: Inés Mínguez Tudela
5. Title of project: **Science and Collectives without a voice in the face of Climate Change: seeking just answers to a global problem**  
Funded by: Universidad Complutense de Madrid (cooperation projects)  
Duration, from: 2018 up to: 2018  
Responsible Researcher UPM: Jorge López Parages
6. Title of project: **MACSUR – Modelling European Agriculture with Climate Change for food Security.**  
Funded by: FACCE-JPI (Joint Programming Initiative for Agriculture, Climate Change, and Food Security)  
Duration, from: 2012 up to: 2017  
Responsible Researcher: Jørgen E. Olesen (Aarhus University)  
Webpage of the project: <https://macsur.eu/>
7. Title of project: **PREFACE – Enhancing prediction of Tropical Atlantic climate and its impacts**  
Funded by: European Commission's Seventh Framework Programme (ref. 603521)  
Duration, from: 2013 up to: 2017  
Responsible Researcher: Noel Keenlyside (UiB)  
Webpage of the project: <https://preface.b.uib.no/>
8. Title of project: **Multiscale climate variability: Agricultural and economic impacts**  
Funded by: Spanish Ministry of economy and competitiveness (CGL2012-38923-C02-01)  
Duration, from: 2012 up to: 2015  
Responsible Researcher: Belén Rodríguez-Fonseca  
Webpage of the project: <http://trova.fis.ucm.es/mulclivar-project>

9. Title of project: **Resources update of the Physics laboratory Simeon Fongang (Atmosphere and ocean) at UCAD – Senegal.**  
 Funded by: Complutense University of Madrid (cooperation projects)  
 Duration, from: 2013 up to: 2014  
 Responsible Researcher: Elsa Mohino Harris.
10. Title of project: **Creation and Donation of a statistical model of rainfall prediction in the Sahel**  
 Funded by: Complutense University of Madrid (cooperation projects)  
 Duration, from: 2011 up to: 2012  
 Responsible Researcher: Belén Rodríguez Fonseca
11. Title of project: **Virtual Laboratory of Meteorology and Climate: Project of innovation in teaching quality.**  
 Funded by: Complutense University of Madrid  
 Duration, from: 2011 up to: 2012  
 Responsible Researcher: Belén Rodríguez-Fonseca  
 Webpage of the project: <http://meteolab.fis.ucm.es/>
12. Title of project: **Equilibrium Dynamics and Annular Internal Variability of the Extratropical Jet**  
 Funded by: Spanish Ministry of Education and Science (CGL2009-06944)  
 Duration, from: 2009 up to: 2012  
 Responsible Researcher: Pablo Zurita Gotor
13. Title of project: **Tropical Atlantic Variability and the Climate Shift (TRACS)**  
 Funded by: Spanish Ministry of Education and Science (CGL2009-10285)  
 Duration, from: 2009 up to: 2012  
 Responsible Researcher: Belén Rodríguez-Fonseca
14. Title of project: **Micrometeorology and Climate Variability**  
 Funded by: Complutense University of Madrid and Bank Santander  
 Duration, from: 2009 up to: 2011  
 Responsible Researcher: Carlos Yagüe Anguís  
 Webpage of the project: <http://www.ucm.es/gr58-08>

### Scientific-Technical Publications

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#### JCR – Submitted

- **Iñigo Gómara**, Belén Rodríguez-Fonseca, Elsa Mohino, Teresa Losada, Irene Polo, Marta Coll (2020) Skillful prediction of tropical Pacific fisheries provided by Atlantic Niños. *Env. Res. Lett.* (ERL-109809).

#### JCR – Published

1. Moussa Diakhaté, Roberto Suárez-Moreno, **Iñigo Gómara**, Elsa Mohino (2020) Statistical-Observational Analysis of Skillful Oceanic Predictors of Heavy Daily Precipitation Events in the Sahel. *Atmosphere*, 11, 584. <https://doi.org/10.3390/atmos11060584> **Q3 – IF 2.046**
2. **Iñigo Gómara**, Gianni Bellocchi, Raphaël Martin, Belén Rodríguez-Fonseca, Margarita Ruiz-Ramos (2019) Influence of climate variability on the potential forage production of a mown permanent grassland in the French Massif Central. *Agric. For. Meteorol.* 280, 107768. <https://doi.org/10.1016/j.agrformet.2019.107768> **Q1 – IF 4.189**

3. Alfredo Rodríguez, David Pérez-López D, Enrique Sánchez, Ana Centeno, **Iñigo Gómara**, Alessandro Dosio, Margarita Ruiz-Ramos (2019) Chilling accumulation in fruit trees in Spain under climate change. *Nat. Hazards Earth Syst. Sci.* 19, 1087–1103. <https://doi.org/10.5194/nhess-19-1087-2019> **Q2 – IF 2.883**
4. Moussa Diakhate, Belén Rodríguez-Fonseca, **Iñigo Gómara**, Elsa Mohino, Abdou Lahat Dieng, Amadou Tierno Gaye (2019) Oceanic Forcing on Interannual Variability of Sahel Heavy and Moderate Daily Rainfall Events. *J. Hydrometeorol.*, 20, 397–410, <https://doi.org/10.1175/JHM-D-18-0035.1> **Q1 – IF 3.790**
5. **Iñigo Gómara**, Elsa Mohino, Teresa Losada, Marta Domínguez, Roberto Suárez-Moreno, Belén Rodríguez-Fonseca (2018) Impact of dynamical regionalization on precipitation biases and teleconnections over West Africa. *Clim. Dyn.* 50, 4481-4506. <https://doi.org/10.1007/s00382-017-3886-4> **Q1 – IF 4.146**
6. Belén Rodríguez-Fonseca, Roberto Suárez-Moreno, Blanca Ayarzagüena, Jorge López-Parages, **Iñigo Gómara**, Julián Villamayor, Elsa Mohino, Teresa Losada, Antonio Castaño-Tierno (2016) A Review of ENSO Influence on the North Atlantic. A Non-Stationary Signal. *Atmosphere*, 7, 87, DOI:10.3390/atmos7070087 **Q3 – IF 1.487**
7. **Iñigo Gómara**, Belén Rodríguez-Fonseca, Pablo Zurita Gotor, Sven Ulbrich, Joaquim G. Pinto (2016) Abrupt transitions in NAO control of explosive North Atlantic cyclone development, *Clim. Dyn.*, 47, 3091-3111, DOI 10.1007/s00382-016-3015-9 **Q1 – IF 4.146**
8. Carlos Román Cascón, Carlos Yagüe, Samuel Viana, Mariano Sastre, Gregorio Maqueda, Marie Lothon, and **Iñigo Gómara** (2015) Near monochromatic ducted Gravity Waves associated with a convective system close to the Pyrenees. *Q. J. R. Meteorol. Soc.*, 141, 1320-1332, DOI: 10.1002/qj.2441 **Q1 – IF 3.669**
9. Joaquim G. Pinto, **Iñigo Gómara**, Giacomo Masato, Helen F. Dacre, Tim Woollings, and Rodrigo Caballero (2014) Large-scale dynamics associated with clustering of extra-tropical cyclones affecting Western Europe. *J. Geophys. Res. Atmos.*, 119, 13704–13719, DOI: 10.1002/2014JD022305 **Q1 – IF 3.426**
10. **Iñigo Gómara**, Belén Rodríguez Fonseca, Pablo Zurita Gotor, and Joaquim G. Pinto (2014) On the relation between explosive cyclones affecting Europe and the North Atlantic Oscillation. *Geophys. Res. Lett.*, 41, 2182–2190, doi: 10.1002/2014GL059647 **Q1 – IF 4.196**
11. **Iñigo Gómara**, Joaquim G. Pinto, Tim Woollings, Giacomo Masato, Pablo Zurita Gotor, and Belén Rodríguez Fonseca (2014) Rossby wave-breaking analysis of explosive cyclones in the Euro-Atlantic sector. *Q. J. R. Meteorol. Soc.* 140: 738–753, DOI:10.1002/qj.2190 **Q1 – IF 5.131**

### Publication Metrics

Source: Google Scholar; h-index: 7; Total cites: 212.  
<https://scholar.google.es/citations?user=Gp1OSI0AAAAJ&hl=en>

### Other contributions

1. **Iñigo Gómara**, Margarita Ruiz-Ramos, and Belén Rodríguez-Fonseca. Aplicaciones agrometeorológicas para predecir la influencia del clima en las cosechas. [www.upm.es/UPM/SalaPrensa](http://www.upm.es/UPM/SalaPrensa) (3 diciembre 2018)
2. Belén Rodríguez-Fonseca, Jorge López-Parages, Mirian Capa, Elsa Mohino, Teresa Losada, **Iñigo Gómara**, Roberto Suárez, Julián Villamayor, Margarita Ruiz-Ramos (2016) Agricultural Insurance and risk management in agricultural production. Ministry of Agriculture, Food and Environment. ISBN: 280-16-274-9. <https://www.mapa.gob.es/es/enesa/publicaciones/libros.aspx>
3. Belén Rodríguez Fonseca, **Iñigo Gómara**, and Jorge López Parages (2014) Sobre el clima en el Atlántico Norte y su variabilidad. madrid+d (<http://www.madrimasd.org/informacionldi/analisis/analisis/analisis.asp?id=60730>)
4. Jorge López Parages, Julián Villamayor, **Iñigo Gómara**, Teresa Losada, Marta Martín Rey, Elsa Mohino, Irene Polo, Belén Rodríguez Fonseca, and Roberto Suárez (2013) Nonstationary interannual teleconnections modulated by multidecadal variability. Física de la Tierra, 25, 11-39.
5. **Iñigo Gómara**, Belén Rodríguez Fonseca, and Pablo Zurita Gotor (2012) Explosive cyclones in the North Atlantic: NAO influence and multidecadal variability. Spanish Association of Climatology Publications A-series, n.8. ISSN 978-84-695-4331-3
6. **Iñigo Gómara**, Carlos Yagüe, Belén Rodríguez Fonseca, and Concepción Rodríguez Puebla (2010). Study of extratropical cyclone Klaus: Possible connections with the NAO. Meteorology and Renewable energies. Spanish Meteorological Society. ISSN: 978 – 84 – 613 -9596 – 5

### Leading Author Presentations in Scientific Congresses

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1. **Gómara I.**, Rodríguez-Fonseca B., Mohino E., Losada T., Polo I., Coll M. 2020. Impact of tropical Atlantic sea surface temperatures on global equatorial fisheries. Triatlás web General Assembly. Virtual Meeting due to COVID-19, May 12-14, 2020.
2. **Gómara I.**, Rodríguez-Fonseca B., Suárez-Moreno R., Martín-Gómez V., Polo I., Losada T., Mohino E., Castaño-Tierno A., López-Parages J., Martín-Rey M., Villamayor J. 2020. Sea surface temperature based statistical seasonal forecasts of marine ecosystems and fisheries: outlook for collaboration within TRIATLAS. Triatlás web General Assembly. Virtual Meeting due to COVID-19, May 12-14, 2020.
3. **Gómara I.**, Bellocchi G., Martin R., Ruiz-Ramos M. 2019: Influence of climate variability on the forage production of a permanent grassland in the French Central Massif. Poster presentation at EGU General Assembly 2019. Vienna, Austria, April 7 - 12, 2019.
4. **Gómara I.**, Mohino E., Losada T. Domínguez M., Suárez-Moreno R., Rodríguez-Fonseca B. 2018: Impact of dynamical regionalization of precipitation biases and teleconnections over West Africa. Poster presentation at PREFACE (EU/FP7) final assembly. Arrecife, Lanzarote (Canary Islands, Spain) 17 – 20 April 2018
5. **Gómara I.**, Rodríguez-Fonseca B., Zurita-Gotor P., Ulbrich S., Pinto J.G. 2018: Abrupt transitions in the NAO control of explosive north Atlantic cyclone development. Poster presentation at PREFACE (EU/FP7) final assembly. Arrecife, Lanzarote (Canary Islands, Spain) 17 – 20 April 2018

6. **Gómara I.**, Bellocchi G., Martin R., Ruiz-Ramos M. 2018: Influence of climate variability on the forage production of a permanent grassland in the French Central Massif. PICO presentation at EGU General Assembly 2018. Vienna, Austria, April 8 - 12, 2018 (**SOLICITED**).
7. **Gómara I.**, Mohino E., Losada T. Domínguez M., Suárez-Moreno R., Rodríguez-Fonseca B. 2018: Impact of dynamical regionalization of precipitation biases and teleconnections over West Africa. Poster presentation at EGU General Assembly 2018. Vienna, Austria, April 8 - 12, 2018.
8. **Gómara I.**, Rodríguez-Fonseca B., Zurita-Gotor P., Ulbrich S., Pinto J.G. 2018: Abrupt transitions in the NAO control of explosive north Atlantic cyclone development. Poster presentation at EGU General Assembly 2018. Vienna, Austria, April 8 - 12, 2018
9. **Gómara, I.**, Mohino E., Losada T., Domínguez M., Rodríguez-Fonseca B. 2016: Impact of dynamical regionalization on precipitation biases and teleconnections of the West African Monsoon. Oral presentation at the CLIVAR-PIRATA-PREFACE tropical Atlantic variability conference 27 November – 1 December 2016, Paris, France.
10. **Gómara, I.**, Rodríguez-Fonseca B., Zurita-Gotor, P., Pinto, J.G. 2015: On the relation between explosive cyclones affecting Europe and the North Atlantic Oscillation. Oral presentation at the International Symposium CLIMATE-ES 2015. Tortosa, Spain, March 11 - 13, 2015.
11. **Gómara, I.**, Rodríguez-Fonseca B., Zurita-Gotor, P., Pinto, J.G. 2014: On the relation between explosive cyclones affecting Europe and the North Atlantic Oscillation. Oral presentation at the STORMEx 4th European storms workshop - 8-10 Sep 2014 IPMA, Lisbon, Portugal.
12. **Gómara, I.**, Pinto, J.G., Woollings, T., Masato, G., Zurita-Gotor, P., Rodríguez-Fonseca, B., 2014: Rossby Wave-Breaking analysis of Explosive cyclones in the Euro-Atlantic sector. Poster presentation at the STORMEx 4th European storms workshop - 8-10 Sep 2014 IPMA, Lisbon, Portugal.
13. **Gómara, I.**, Rodríguez-Fonseca B., Zurita-Gotor, P., Pinto, J.G. 2014: On the relation between explosive cyclones affecting Europe and the North Atlantic Oscillation. Oral presentation at the Spanish Meteorological Society Meeting 2014. Oviedo, Spain, March 7 - 9, 2014.
14. **Gómara, I.**, Pinto, J.G., Woollings, T., Masato, G., Zurita-Gotor, P., Rodríguez-Fonseca, B., 2013: Rossby Wave-Breaking analysis of Explosive cyclones in the Euro-Atlantic sector. Poster presentation at EGU General Assembly 2013. Vienna, Austria, April 7 - 12, 2013.
15. **Gómara, I.**, B. Rodríguez-Fonseca and P. Zurita-Gotor, 2012: Explosive cyclones in the North Atlantic: NAO influence and multidecadal variability. Oral presentation at the 8th International meeting of the Spanish Association of Climatology. Salamanca, Spain. September 25 - 28, 2012.
16. **Gómara, I.**, B. Rodríguez-Fonseca and P. Zurita-Gotor, 2011: Explosive cyclones over Europe: Influence of the North Atlantic Oscillation in different timescales. Oral presentation at the 11th EMS Annual Meeting/10th ECAM. Berlin, Germany, September 12 - 16, 2011.
17. **Gómara, I.**, B. Rodríguez-Fonseca, C. Yagüe and C. Rodríguez-Puebla, 2011: Influence of the North Atlantic Oscillation on the properties of explosive cyclones. Oral and poster presentations at the EGU General Assembly 2011. Vienna, Austria, April 3 - 8, 2011.
18. **Gómara, I.**, C. Rodríguez-Puebla, C. Yagüe and B. Rodríguez-Fonseca, 2010: An analysis of the characteristics of extratropical cyclone Klaus. Poster presentation at the EGU General Assembly 2010. Vienna, Austria, May 2 - 7, 2010.



19. **Gómara, I.**, C. Rodríguez-Puebla, C. Yagüe and B. Rodríguez-Fonseca, 2010: Study of extratropical cyclone Klaus: Possible connections with the NAO. Oral presentation at the Spanish Meteorological Society Meeting 2010. Seville, Spain, March 1 - 3, 2010.
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### Programming skills

- Extended knowledge of Linux and Windows
- Extended knowledge of MATLAB and GrADS
- Extended Knowledge in Crop Modelling. Decision Support System for Agrotechnology Transfer (DSSAT), Grassland Model PaSim and Farm model FarmSim.
- Basic knowledge of NetCDF
- Notions of R, Fortran and C++

### Training activities, seminars and scientific disclosure

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#### Training Schools

1. **Title:** The Nansen Tutu Summer School on Ocean, Climate and Marine Ecosystem  
**Date and location of the event:** University of Cape Town (South Africa). 14-21 January 2020  
**Organizing group:** EU H2020 Project TRIATLAS  
**Contribution:** Trainee
  2. **Title:** The Nansen Tutu Summer School on Ocean, Climate and Marine Ecosystem (EU/FP7 PREFACE)  
**Date and location of the event:** University of Cape Town (South Africa). 1-8 December 2014  
**Organizing group:** EU/FP7 Project PREFACE  
**Contribution:** Trainee (full grant awarded for participation).
  3. **Title:** Second VALUE training school: "Statistical and Dynamical Downscaling of Extreme Events"  
**Date and location of the event:** ICTP, Trieste (Italy). 21-31 October 2013  
**Organizing group:** COST ACTION ES1102: VALUE  
**Contribution:** Trainee (full grant awarded for participation).
  4. **Title:** The UCLA ocean-atmosphere coupled model. Description, compilation and running. Dr. Heng Xiao (UCLA).  
**Date and location of the event:** Complutense University of Madrid. June 2010.  
**Organizing group:** Micrometeorology and Climate variability group. Department of Geophysics and Meteorology. Complutense University of Madrid.  
**Contribution:** Participant.
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#### Courses & Seminars

1. **Title:** Climate Services in Agriculture  
**Date and location of the event:** May 10, 2019. Madrid (Spain).  
**Organizing Group:** Agroseguro S.A.  
**Contribution:** Speaker
2. **Title:** Climate Services in Agriculture

- Date and location of the event:** November 29, 2018. Madrid (Spain).  
**Organizing Group:** CEIGRAM-UPM  
**Contribution:** Speaker
3. **Title:** Basic/Intermediate course of R programming  
**Date and location of the event:** January 8, 2018. Madrid (Spain).  
**Organizing Group:** CEIGRAM-UPM  
**Contribution:** Participant
  4. **Title:** Climate Variability and Climate Services: Applications on Agronomy  
**Date and location of the event:** September 19, 2017. Clermont-Ferrand (France).  
**Organizing Group:** Institut National de la Recherche Agronomique (INRA UMR UREP)  
**Contribution:** Speaker
  5. **Title:** Service-learning  
**Date and location of the event:** April 24, 2017. Madrid (Spain).  
**Organizing Group:** Instituto de Ciencias de la Educación (ICE). Universidad Politécnica de Madrid.  
**Contribution:** Participant
  6. **Title:** Learning and Adaptative systems  
**Date and location of the event:** April 5, 2017. Madrid (Spain).  
**Organizing Group:** Instituto de Ciencias de la Educación (ICE). Universidad Politécnica de Madrid.  
**Contribution:** Participant
  7. **Title:** Experiential Learning  
**Date and location of the event:** April 3, 2017. Madrid (Spain).  
**Organizing Group:** Instituto de Ciencias de la Educación (ICE). Universidad Politécnica de Madrid.  
**Contribution:** Participant
  8. **Title:** Educative applications: Gamification  
**Date and location of the event:** March 31, 2017. Madrid (Spain).  
**Organizing Group:** Instituto de Ciencias de la Educación (ICE). Universidad Politécnica de Madrid.  
**Contribution:** Participant
  9. **Title:** Climate Variability, Climate Services and Big Data  
**Date and location of the event:** December 2, 2016. Madrid (Spain).  
**Organizing Group:** Bank Santander, HP Enterprise and Universidad Complutense de Madrid.  
**Contribution:** Speaker
  10. **Title:** HHH talk: "Rossby wave-breaking analysis of explosive cyclones in the Euro-Atlantic sector".  
**Date and location of the event:** November 11, 2013. Reading (UK).  
**Organizing group:** Dynamical Processes Group. Department of Meteorology. University of Reading.  
**Contribution:** Speaker
  11. **Title:** Seminar: Explosive cyclones in the North Atlantic: Climatology, variability and dynamical analysis.  
**Date and location of the event:** November 23, 2011. Madrid (Spain).  
**Organizing group:** Complutense University of Madrid.  
**Contribution:** Speaker.
  12. **Title:** Seminar. Deep convection and Supercells.  
**Date and location of the event:** July 3-4, 2010. Valsain (Spain).  
**Organizing group:** Spanish Meteorological Society and AEMET.  
**Contribution:** Participant.

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### Scientific disclosure

1. **Title:** XVIII Science Week. Applications of Meteorology and Agriculture & How to feed the world in 2050  
**Date and location of the event:** November 8 and 15, 2018. Madrid (Spain).  
**Organizing group:** Community of Madrid and CEIGRAM-UPM.
2. **Title:** XIV Science Week. Laboratory of Ocean and Atmosphere.  
**Date and location of the event:** November 3-16, 2014. Madrid (Spain).  
**Organizing group:** Community of Madrid and UCM.
3. **Title:** XIII Science Week. Laboratory of Ocean and Atmosphere.  
**Date and location of the event:** November 4-17, 2013. Madrid (Spain).  
**Organizing group:** Community of Madrid and UCM.
4. **Title:** Virtual Laboratory of Meteorology and Climate  
**Date and location of the event:** November 4-17, 2012. Madrid (Spain).  
**Organizing group:** Complutense University of Madrid  
**Contribution:** Collaborator.  
**Webpage:** <http://meteolab.fis.ucm.es>
5. **Title:** Scientific divulgation: experiments of Meteorology and Climate  
**Date and location of the event:** May 18, 2012. Primary School "República de Venezuela", Madrid (Spain)  
**Organizing group:** Tropical Atlantic Variability Group (UCM)  
**Contribution:** Collaborator.
6. **Title:** Scientific divulgation: experiments of Meteorology and Climate. Guided tour to the faculty of Aprocor Foundation  
**Date and location of the event:** March 16, 2012. Complutense University of Madrid, Madrid (Spain)  
**Organizing group:** Physics Faculty. Complutense University of Madrid.  
**Contribution:** Collaborator.
7. **Title:** XI Science Week. Laboratory of Ocean and Atmosphere.  
**Date and location of the event:** November 7-20, 2011. Madrid (Spain).  
**Organizing group:** Community of Madrid.  
**Contribution:** Collaborator.

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### Management & representation activities

**Organizing group member.** PREFACE KICK-OFF Meeting, 2-4 December 2013, UCM Madrid, Spain.  
<http://preface.b.uib.no/events/meetings/kick-off-meeting-2013/>

**PhD students' representative** at Dept. of Geophysics and Meteorology - Universidad Complutense de Madrid, 2011/2012.

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### Teaching

**Institution:** Universidad Complutense de Madrid  
**Departament:** Física de la Tierra y Astrofísica

**Period:** 2018/2020

**Subject:** Co-supervision of 4 Master's Thesis (12 ECTS each)

**Institution:** Universidad Politécnica de Madrid

**Departament:** CEIGRAM-UPM

**Period:** 2018, 2019 & 2020

**Subject:** Lecturer at Climate-KIC Journey 2018, 2019 & 2020. Walkshop visit to GUMNET project & Climate impacts and challenges

**Institution:** Universidad Politécnica de Madrid

**Departament:** Producción Agraria (ETSIAAB-UPM)

**Period:** 2018/2019

**Subject:** Climatology 1<sup>st</sup> course (3 ECTS). Degree in Agrarian Sciences and Bioeconomy.

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#### **Review activities**

**Peer Review:** Journal of Geophysical Research - Atmospheres (IF 3.318); Regional Environmental Change (IF 2.872). Agronomy for Sustainable Development (IF 4.263). Atmosphere (IF 2.375).

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#### **Research/Congress awards**

**Title:** Young Scientist Award

**Meeting:** 8th International meeting of the Spanish Association of Climatology. Salamanca, Spain. September 25 - 28, 2012.

**Contribution:** Explosive cyclones in the North Atlantic: NAO influence and Multidecadal Variability.

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