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POSITIONS

Jan'17–present: **Barcelona Institute for Global Health** (ISGlobal) – Barcelona, Catalonia, Spain.

Jan'13–Dec'14: **California Institute of Technology** (Caltech) – Pasadena, California, United States.

Jul'08–Dec'16: **Institut Català de Ciències del Clima** (IC3) – Barcelona, Catalonia, Spain.

Sep'05–Jul'08: **Laboratori de Recerca del Clima** (LRC), **Parc Científic de Barcelona** (PCB) – Barcelona, Catalonia, Spain.

Feb'05–Jun'05: **Centre National de Recherches Météorologiques** (CNRM) – Toulouse, France.

Sep'03–Feb'04: **Servei Meteorològic de Catalunya** (SMC) – Barcelona, Catalonia, Spain.

EDUCATION

2016: M.Sc. **Quantitative Techniques of the Financial Markets** (1-yr) – Universitat Politècnica de Catalunya (UPC) – Barcelona, Catalonia, Spain.

2011: Ph.D. **Climate predictability** – Universitat de Barcelona (UB) – Barcelona, Catalonia, Spain.

2007: M.Sc. **Marine Sciences** (1-yr) – Universitat de Barcelona (UB) – Barcelona, Catalonia, Spain.

2005: M.Sc. **Ocean, Atmosphere and Continental Surfaces** (1-yr) – Université Paul Sabatier (UPS) and **MétéoFrance** – Toulouse, France.

2004: B.Sc. **Meteorology and Climatology** (2-yr) – Universitat de Barcelona (UB) – Barcelona, Catalonia, Spain.

2004: B.Sc. **Mathematics** (5-yr) – Universitat Politècnica de Catalunya (UPC) – Barcelona, Catalonia, Spain.

SELECTED PUBLICATIONS

Ballester J, Petrova D, Bordoni S, Cash B, García-Díez M, Rodó X. Sensitivity of El Niño intensity and timing to preceding subsurface heat magnitude. *Nature Scientific Reports* **6**, 36344 (2016).

Ballester J, Rodó X, Robine JM, Herrmann FR. European seasonal mortality and influenza incidence due to winter temperature variability. *Nature Climate Change* **6**, 927-930 (2016).

==> *Highlighted in the Magazine Issue Cover.*

Rodó X, Curcoll R, Robinson M, **Ballester J**, Burns JC, Cayan DR, Lipkin WI, Williams BL, Couto-Rodriguez M, Nakamura Y, Uehara R, Tanimoto H, Morguá JA. Tropospheric winds from northeastern China carry the etiologic agent of Kawasaki disease from its source to Japan. *Proceedings of the National Academy of Sciences* **111**, 7952-7957 (2014).

==> *Highlighted in Nature* by Frazer J (2014) Kawasaki disease origin traced to northeast China.

==> *Highlighted in Science* by Wogan T (2014) Mysterious Illness May Be Carried by the Wind.

Cash BA, Rodó X, **Ballester J**, Bouma MJ, Dhiman R, Pascual M. Malaria epidemics highlight influence of the Tropical South Atlantic on the Indian monsoons. *Nature Climate Change* **3**, 502-507 (2013).

Rodó X*, **Ballester J***, Cayan D, Melish ME, Nakamura Y, Uehara R, Burns JC. Association of Kawasaki disease with tropospheric wind patterns. *Nature Scientific Reports* **1**, 152 (2011).

==> *Highlighted in Nature* by Frazer J (2012) Infectious disease: Blowing in the wind.

Ballester J, Robine JM, Herrmann FR, Rodó X. Long-term projections and acclimatization scenarios of temperature-related mortality in Europe. *Nature Communications* **2**, 358 (2011).

* *These authors contributed equally to this work*

ARTICLES UNDER CONSIDERATION

Petrova D, **Ballester J**, Koopman SJ, Rodó X. Multi-year statistical prediction of ENSO enhanced by the tropical Pacific observing system.

Petrova D, Lowe R, Stewart-Ibarra A, **Ballester J**, Koopman SJ, Rodó X. Long-Lead El Niño Forecast Information to Support Public Health Decision Making.

PUBLICATIONS

25. **Ballester J**, Petrova D, Bordoni S, Cash B, Rodó X. Timing of subsurface heat magnitude for the growth of El Niño events. *Geophysical Research Letters* **44**, 8501-8509 (2017).
24. Petrova D, Koopman SJ, **Ballester J**, Rodó X. Improving the long-lead predictability of El Niño using a novel forecasting scheme based on a dynamic components model. *Climate Dynamics* **48**, 1249-1276 (2017).
23. García-Díez M, Lauwater D, Hooybergh H, **Ballester J**, De Ridder K, Rodó X. Advantages of using a fast urban boundary layer model as compared to a full mesoscale model to simulate the urban heat island of Barcelona. *Geoscientific Model Development* **9**, 4439-4450 (2016).
22. **Ballester J**, Petrova D, Bordoni S, Cash B, García-Díez M, Rodó X. Sensitivity of El Niño intensity and timing to preceding subsurface heat magnitude. *Nature Scientific Reports* **6**, 36344 (2016).
21. Grossi C, **Ballester J**, Serrano I, Galmarini S, Camacho A, Curcoll R, Morguá JA, Rodó X, Duch MA. Influence of long-range atmospheric transport pathways and climate teleconnection patterns on the variability of surface ²¹⁰Pb and ⁷Be concentrations in southwestern Europe. *Journal of Environmental Radioactivity* **165**, 103-114 (2016).
20. Rodó X, **Ballester J**, Curcoll R, Boyard-Micheau J, Borràs S, Morguá JA. Revisiting the role of environmental and climate factors on the epidemiology of Kawasaki disease. *Annals of the New York Academy of Sciences* **1382**, 84-98 (2016).
19. **Ballester J**, Bordoni S, Petrova D, Rodó X. El Niño dynamics and long lead climate forecasts. *Climanosco* (2016).
18. **Ballester J**, Rodó X, Robine JM, Herrmann FR. European seasonal mortality and influenza incidence due to winter temperature variability. *Nature Climate Change* **6**, 927-930 (2016).
17. **Ballester J***, Lowe R*, Diggle P, Rodó X. Seasonal forecasting and health impact models: challenges and opportunities. *Annals of the New York Academy of Sciences* **1382**, 8-20 (2016).
16. **Ballester J**, Bordoni S, Petrova D, Rodó X. Heat advection processes leading to El Niño events as depicted by an ensemble of ocean assimilation products. *Journal of Geophysical Research: Oceans* **121**, 3710-3729 (2016).
15. Lowe R, García Díez M, **Ballester J**, Creswick J, Robine JM, Herrmann FR, Rodó X. Evaluation of an Early-Warning System for Heat Wave-Related Mortality in Europe: Implications for Sub-seasonal to Seasonal Forecasting and Climate Services. *International Journal of Environmental Research and Public Health* **13**, 206 (2016).
14. **Ballester J**, Bordoni S, Petrova D, Rodó X. On the dynamical mechanisms explaining the western Pacific subsurface temperature buildup leading to ENSO events. *Geophysical Research Letters* **42**, 2961-2967 (2015).
13. Lowe R, **Ballester J**, Creswick J, Robine JM, Herrmann FR, Rodó X. Evaluating the performance of a climate-driven mortality model during heat waves and cold spells in Europe. *International Journal of Environmental Research and Public Health* **12**, 1279-1294 (2015).
12. Rodó X, Curcoll R, Robinson M, **Ballester J**, Burns JC, Cayan DR, Lipkin WI, Williams BL, Couto-Rodriguez M, Nakamura Y, Uehara R, Tanimoto H, Morguá JA. Tropospheric winds from northeastern China carry the etiologic agent of Kawasaki disease from its source to Japan. *Proceedings of the National Academy of Sciences* **111**, 7952-7957 (2014).
11. **Ballester J**, Burns JC, Cayan D, Nakamura Y, Uehara R, Rodó X. Kawasaki disease and ENSO-driven wind circulation. *Geophysical Research Letters* **40**, 2284-2289 (2013).
10. Cash BA, Rodó X, **Ballester J**, Bouma MJ, Dhiman R, Pascual M. Malaria epidemics highlight influence of the Tropical South Atlantic on the Indian monsoons. *Nature Climate Change* **3**, 502-507 (2013).
09. Ostro B, Barrera-Gómez J, **Ballester J**, Basagaña X, Sunyer J. The Impact of Future Summer Temperature on Public Health in Barcelona and Catalonia, Spain. *International Journal of Biometeorology* **56**, 1135-1144 (2012).
08. Rodó X*, **Ballester J***, Cayan D, Melish ME, Nakamura Y, Uehara R, Burns JC. Association of Kawasaki disease with tropospheric wind patterns. *Nature Scientific Reports* **1**, 152 (2011).
07. **Ballester J**, Robine JM, Herrmann FR, Rodó X. Long-term projections and acclimatization scenarios of temperature-related mortality in Europe. *Nature Communications* **2**, 358 (2011).
06. **Ballester J**, Rodríguez-Arias MA, Rodó X. A new extratropical tracer describing the role of the western Pacific in the onset of El Niño: Implications for ENSO understanding and forecasting. *Journal of Climate* **24**, 1425-1437 (2011).
05. **Ballester J**, Rodó X, Giorgi F. Future changes in Central Europe heat waves expected to mostly follow summer mean warming. *Climate Dynamics* **35**, 1191-1205 (2010).

04. **Ballester J**, Giorgi F, Rodó X. Changes in European temperature extremes can be predicted from changes in PDF central statistics. *Climatic Change - Letters* **98**, 277-284 (2010).
03. **Ballester J**, Douville H, Chauvin F. Present-day climatology and projected changes of warm and cold days in the CNRM-CM3 global climate model. *Climate Dynamics* **32**, 35-54 (2009).
02. **Ballester J**, Moré J. The representativeness problem of a station net applied to the verification of a precipitation forecast based on areas. *Meteorological Applications* **14**, 177-184 (2007).
01. Rodó X, Rodríguez-Arias MA, **Ballester J**. The role of ENSO in fostering teleconnection patterns between the tropical north Atlantic and the western Mediterranean Basin. *CLIVAR Exchanges* **11**, 26-27 (2006).

* These authors contributed equally to this work

PROJECTS AS PRINCIPAL INVESTIGATOR

- Oct'17–Sep'19*: Project name: Acclimatization scenarios and early warning system of temperature-related mortality in Europe (ACCLIM). Call: Horizon 2020's Marie Skłodowska-Curie Individual Fellowships (H2020-MSCA-IF-2016). Funding Institution: European Commission. Center: Barcelona Institute for Global Health (ISGlobal). Budget: 158,121.60€.
- Jun'17–Nov'19*: Project name: Pan-European Urban Climate Service (PUCS). Call: Horizon 2020's Exploiting the added value of climate services - Demonstration of climate services (SC5-01-2016-2017). Funding Institution: European Commission. Center: Barcelona Institute for Global Health (ISGlobal). Budget (total): 319,375.00€ (3,514,416.25€).
- Dec'16–Feb'21*: Project name: Arctic Impact on Weather and Climate (Blue-Action). Call: Horizon 2020's Blue Growth - Demonstrating an Ocean of Opportunities (H2020-BG-2016-2017). Funding Institution: European Commission. Center: Barcelona Institute for Global Health (ISGlobal). Budget (total): 215,000.00€ (7,500,000.00€).
- Oct'15–Sep'17*: Project name: Climate change projections and adaptation scenarios of temperature-related mortality in Europe. Call: Seventh Framework Programme's Marie Skłodowska-Curie COFUND Beatriu de Pinós (BP-DGR-2014). Funding Institution: European Commission and Catalan Government. Center: Institut Català de Ciències del Clima (IC3). Budget: 91,022.40€.
- Jan'13–Dec'15*: Project name: Modulating mechanisms of the onset of El Niño events (MEMENTO). Call: Seventh Framework Programme's Marie Skłodowska-Curie International Outgoing Fellowships (FP7-PEOPLE-2011-IOF). Funding Institution: European Commission. Centers: California Institute of Technology (Caltech) and Institut Català de Ciències del Clima (IC3). Budget: 256,206.00€.

PARTICIPATION IN PROJECTS

- May'16–Jul'17*: Project name: Sector Engagement for C3S, Translating European User Requirements (SECTEUR). Call: Evaluation and Quality Control Function for the Sectoral Information System (C3S_52). Funding Institution: Copernicus Climate Change Service (C3S), European Centre for Medium-Range Weather Forecasts (ECMWF). Center: Institut Català de Ciències del Clima (IC3). Budget (total): 160,778.48€ (2,224,781.65€).
- Dec'15–Dec'18*: Project name: Aerial micro-biome diversity and their role in Kawasaki disease (WINDBIOME). Call: Proyectos pediátricos. Funding Institution: Fundació Privada Daniel Bravo. Center: Institut Català de Ciències del Clima (IC3). Budget (total): 234,000.00€ (300,000.00€).
- Jan'12–Dec'16*: Project name: Dengue Research Framework for Resisting epidemics in Europe (DENFREE). Call: Seventh Framework Programme's Health Cooperation Area. Funding Institution: European Commission. Center: Institut Català de Ciències del Clima (IC3). Budget (total): 387,666.34€ (8,447,902.00€).
- Nov'12–Jan'17*: Project name: European Provision of Regional Impact Assessment on a Seasonal-to-decadal timescales (EUPORIAS). Call: Seventh Framework Programme's Environment Cooperation Area. Funding Institution: European Commission. Center: Institut Català de Ciències del Clima (IC3). Budget (total): 479,351.16€ (13,048,572.00€).
- Mar'11–Feb'14*: Project name: Climate Local Information in the Mediterranean region: Responding to User Needs (CLIM-RUN). Call: Seventh Framework Programme's Environment Cooperation Area. Funding Institution: European Commission. Center: Institut Català de Ciències del Clima (IC3). Budget (total): 404,436.78€ (4,680,341.00€).
- Mar'09–Feb'12*: Project name: Kawasaki Disease: Disentangling the role of Climate in the outbreaks. Call: La Marató de TV3. Funding Institution: Fundació La Marató de TV3. Center: Institut Català de Ciències del Clima (IC3). Budget: 196,250.00€.
- Oct'07–Sep'10*: Project name: Predicción climática estacional en el área mediterránea combinando multimodelos dinámicos, proyecciones estadísticas, modelos oceánicos regionales y experimentos climáticos tipo marcapasos

(PANDORA). Call: Proyectos I+D. Funding Institution: Ministerio de Medio Ambiente. Center: Laboratori de Recerca del Clima (LRC), Parc Científic de Barcelona (PCB). Budget: 104,060.00€.

Apr'07–Jun'11: Project name: Climate Change and Impact Research: Mediterranean Environment (CIRCE). Call: Sixth Framework Programme's Sustainable Development, Global Change and Ecosystems (FP6-2005-GLOBAL-4). Funding Institution: European Commission. Center: Laboratori de Recerca del Clima (LRC), Parc Científic de Barcelona (PCB). Budget (total): 110,000.00€ (13,730,066.00€).

FUNDED SUPERVISING EXPERIENCE

Sep'16–Aug'18: Call: Juan de la Cierva, Formación (FJCI-2015-25990). Funding Institution: Ministerio de Economía y Competitividad. Center: Institut Català de Ciències del Clima (IC3). Budget: 50,000.00€. Advised: Markel García-Díez.

PERSONAL FELLOWSHIPS

Jun'09–Aug'09: Call: University computing requests for NSF-supported university projects (#37461043). Funding Institution: National Center for Atmospheric Research (NCAR), Computational & Information Systems Laboratory (CISL). Center: Center for Ocean-Land-Atmosphere Studies (COLA). Advisor: Ben Cash.

Jun'09–Aug'09: Call: Mobility grants for pre-doctorate researchers (2008 BE2 00033). Funding Institution: Catalan Government. Center: Center for Ocean-Land-Atmosphere Studies (COLA). Advisor: Ben Cash.

Jan'08–Apr'08: Call: ESF Mobility Exchange Grant #1464. Funding Institution: European Science Foundation (ESF). Center: The Abdus Salam International Centre for Theoretical Physics (ICTP). Advisor: Filippo Giorgi.

Jul'07–Jun'10: Call: Grants for universities and research centers for the recruitment of new research personnel (2007FI 00496). Funding Institution: Catalan Government. Center: Laboratori de Recerca del Clima (LRC). Advisor: Xavier Rodó.

Nov'05–Jul'07: Call: Pre-doctorate grants for collaboration in research projects (PCB C13/05-N1). Funding Institution: Parc Científic de Barcelona (PCB). Center: Laboratori de Recerca del Clima (LRC). Advisor: Xavier Rodó.

Sep'05–Aug'08: Call: Grants for pre-doctorate research in climatology. Funding Institution: Centre National de Recherches Météorologiques (CNRM). The applicant renounced to this grant due to the incompatibility with another fellowship.

Feb'04–Jun'04: Call: European Community Action Scheme for the Mobility of University Students (ERASMUS). Funding Institution: European Commission. Center: University of Sheffield.

MEETINGS, WORKSHOPS AND INVITED TALKS

67. *Jan'18*: General Assembly of the Blue-Action Project – Ballester J – Work progress in the Temperature-Related Mortality case study – Bologna, Italy.

66. *Dec'17*: AGU Fall Meeting 2017 – Ballester J, Rodó X, Robine JM, Herrmann FR – European seasonal mortality and influenza incidence due to winter temperature variability – American Geophysical Union (AGU), New Orleans, Louisiana, United States.

65. *Dec'17*: General Assembly of the PUCS Project – Ballester J, Dell'Olmo MM, Ingole V – Work Progress in the Health Case Study – Graz, Austria.

64. *Nov'17*: Climate Services at Work, Projects Exchange and Networking Lab – European Commission, Directorate General for Research and Technological Development, Brussels, Belgium.

63. *Sep'17*: Stakeholder Mapping Workshop of the PUCS Project – Ballester J, Dell'Olmo MM – Heat Health Climate Service for Barcelona – Agència de Salut Pública de Barcelona (ASPB), Barcelona, Catalonia, Spain.

62. *Aug'17*: 2017 Community Earth System Model (CESM) Tutorial – National Center for Atmospheric Research (NCAR), Boulder, Colorado, United States.

61. *Jul'17*: Climate Services Meeting of the Blue-Action Project – Ballester J – The Temperature-Related Mortality Case Study in Blue-Action – Climate Service Center Germany (GERICS), Hamburg, Germany.

60. *Jun'17*: 21st Conference on Atmospheric and Oceanic Fluid Dynamics – Petrova D, Ballester J, Koopmans S, Bordoni S, Cash B, García-Díez M, Rodó X – Role of the Western Pacific Heat Buildup for the Timing, Magnitude and Prediction of ENSO – American Meteorological Society (AMS), Portland, Oregon, United States.

59. *Jun'17*: Kick-off Meeting of the PUCS Project – Ballester J – The Temperature-Related Mortality Case Study in PUCS – Antwerp, Belgium.

58. *Jun'17*: 3rd ECCA Conference – Miller R, Payne M, Kiel K, Kolstad E, Ballester J, Lesser P, Vangsbo P – Translating advances in Arctic climate science to climate services across the Northern Hemisphere – European Climate Change Adaptation (ECCA), Glasgow, United Kingdom.
57. *May'17*: Impact of Environmental Changes on Infectious Diseases 2017 – Petrova D, Lowe R, Stewart-Ibarra A, Ballester J, Koopman SJ, Rodó X – Long-Lead El Niño Forecasts to Inform Public Health Decision Support Systems: Application to Predict Dengue in El Oro, Ecuador – The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
56. *Mar'17*: ISGlobal Scientific Seminars – Ballester J – Linkages between climate variability, predictability, impacts and services – Barcelona Institute for Global Health (ISGlobal), Barcelona, Catalonia, Spain.
55. *Mar'17*: Copernicus Climate Change Service General Assembly – Deluca A, Ballester J, Lowe R, Rodó X – Shaping the Copernicus Climate Change Service to provide fit-for-purpose information for decision-making for Health – MétéoFrance, Toulouse, France.
54. *Feb'17*: Fifth International Conference on Climate Services – Petrova D, Lowe R, Stewart-Ibarra A, Ballester J, Koopman SJ, Rodó X – Climate services for the health sector: long-lead El Niño forecasts to predict dengue risk in El Oro, Ecuador – Climate Services Partnership, Cape Town, South Africa.
53. *Feb'17*: Fifth International Conference on Climate Services – Deluca A, Ballester J, Rodó X, and the SECTEUR consortium – Shaping the Copernicus Climate Change Service to provide fit-for-purpose information for decision-making within the Health Sector – Climate Services Partnership, Cape Town, South Africa.
52. *Feb'17*: Fifth International Conference on Climate Services – Lowe R, Ballester J, García-Díez M, Creswick J, Robine JM, Herrmann FR, Rodó X – Development of an early warning system for heat wave related mortality in Europe: key outcomes and lessons learnt – Climate Services Partnership, Cape Town, South Africa.
51. *Feb'17*: Fifth International Conference on Climate Services – Ballester J, Rodó X, Deluca A, and the BLUE-ACTION and PUCS consortia – Forecast Scheme of Temperature-Related Mortality for decision-making in European Regions and Cities – Climate Services Partnership, Cape Town, South Africa.
50. *Jan'17*: Kick-off Meeting of the Blue-Action Project – Ballester J – The Temperature-Related Mortality Case Study in Blue-Action – Max Planck Institute, Berlin, Germany.
49. *Nov'16*: 2016 ASTMH Annual Meeting – Petrova D, Lowe R, Stewart-Ibarra A, Ballester J, Koopman SJ, Rodó X – Long-Lead El Niño Forecast Information to Support Public Health Decision Making: Application to Dengue Epidemics in Ecuador – American Society of Tropical Medicine and Hygiene (ASTMH), Atlanta, Georgia, United States.
48. *Oct'16*: MedECC Scoping Workshop – Ballester J – Climate Change Projections and Early Warning Systems of Temperature-Related Mortality – Mediterranean Experts on Climate and Environmental Change (MedECC), Aix-en-Provence, France.
47. *Jul'16*: Modeling of the Climate and the Relation between Temperature and Mortality – Ballester J – Action Plan to Avoid the Effects of Heat Waves on Health – Agència de Salut Pública de Catalunya (ASPCAT), Barcelona, Catalonia, Spain.
46. *Jun'16*: Risk Evaluation of the Introduction of the Zika virus in Catalonia – Ballester J – Climate Factors Determining the Spread of the Zika Virus – Institut de Salut Global (ISGlobal), Barcelona, Catalonia, Spain.
45. *Jun'16*: Kick Off Meeting of the SECTEUR project – Ballester J, Rodó X, Lowe R, Deluca A – Contribution of the Health Sector – University of Reading, Reading, United Kingdom.
44. *Jun'16*: Health and Climate Colloquium 2016 – Petrova D, Lowe R, Stewart-Ibarra A, Ballester J, Koopman SJ, Rodó X – Long-Lead El Niño Forecast Information to Support Public Health Decision Making – International Research Institute for Climate and Society (IRI), Palisades, New York, United States.
43. *Jun'16*: 36th International Symposium on Forecasting – Petrova D, Koopman SJ, Ballester J, Rodó X – Improved Forecasting of El Niño-Southern Oscillation with a Novel Structural Time Series Model – International Institute of Forecasters (IIF), Santander, Spain.
42. *Apr'16*: EGU General Assembly 2016 – Lowe R, García-Díez M, Ballester J, Creswick J, Robine JM, Herrmann FR, Rodó X – Evaluation of an early warning system for heat wave related mortality in Europe: implications for seasonal forecasting and climate services – European Geosciences Union (EGU), Vienna, Austria.
41. *Apr'16*: EGU General Assembly 2016 – García-Díez M, Lauwater D, Hooybergh H, Ballester J, De Ridder K, Rodó X – Do we need full mesoscale models to simulate the urban heat island? A study over the city of Barcelona – European Geosciences Union (EGU), Vienna, Austria.
40. *Apr'16*: EGU General Assembly 2016 – Petrova D, Koopman SJ, Ballester J, García-Díez M, Rodó X – Improving the Long-Lead Predictability of El Niño Using a Novel Forecasting Scheme Based on a Dynamic Components Model – European Geosciences Union (EGU), Vienna, Austria.

39. *Apr'16*: EGU General Assembly 2016 – Ballester J, Bordoni S, Petrova D, García-Díez M, Rodó X – Sensitivity of El Niño intensity and timing to the magnitude of the subsurface heat buildup – European Geosciences Union (EGU), Vienna, Austria.
38. *Nov'15*: Fall school on Statistical and mathematical tools for the study of climate extremes – Ballester J, Robine JM, Herrmann FR, Rodó X – Long-term projections and acclimatization scenarios of temperature-related mortality in Europe – Institut d'Études Scientifiques, Cargèse, France.
37. *Oct'15*: Inte Seminar – Grossi C, Serrano I, Camacho A, Ballester J, Morguá JA, Rodó X, Duch MA – Analysis of the relationship between climatic phenomena and atmospheric variability of ⁷Be and ²¹⁰Pb concentrations in northeastern Spain – Institut de Tècniques Energètiques (Inte), Barcelona, Catalonia, Spain.
36. *Oct'15*: 1st Ocean2k Workshop – Ballester J – Heat stress, temperature-related mortality and human adaptation – Cosmocaixa, Barcelona, Catalonia, Spain.
35. *Oct'15*: NAACLIM General Assembly 2015 – Ballester J, Lowe R, García Díez M, Rodó X – Temperature-Related Mortality: Modelling and Prediction from the Continental to the Urban Scale – NAACLIM, Almada, Portugal.
34. *Sep'15*: EUPORIAS General Assembly 2015 – Lowe R, García-Díez M, Ballester J, Creswick J, Robine JM, Herrmann FR, Rodó X – Evaluating the performance of a mortality model driven by an ensemble of seasonal climate forecasts – EUPORIAS, Winterthur, Switzerland.
33. *Sep'15*: ENVIRA 2015 – Grossi C, Serrano I, Camacho A, Ballester J, Morguá JA, Rodó X, Duch MA – Analysis of the relationship between climatic phenomena and atmospheric variability of ⁷Be and ²¹⁰Pb concentrations in northeastern Spain – IAEA and IUR, Thessaloniki, Greece.
32. *Sep'15*: 15th EMS Annual Meeting – A study of the Urban Heat Island of Barcelona using a fast urban climate model – García-Díez M, Ballester J, De Ridder K, Rodó X – European Meteorological Society (EMS), Sofia, Bulgaria.
31. *Jul'15*: Our Common Future Under Climate Change – Ballester J, Robine JM, Herrmann FR, Rodó X – Will climate warming decrease winter mortality in Europe? – ICSU, Future Earth and UNESCO, Paris, France.
30. *May'15*: Human Health in the Face of Climate Change: Science, Medicine, and Adaptation – Ballester J, Robine JM, Herrmann FR, Rodó X – Long-term projections and acclimatization scenarios of temperature-related mortality in Europe – New York Academy of Sciences, Barcelona, Catalonia, Spain.
29. *May'15*: Human Health in the Face of Climate Change: Science, Medicine, and Adaptation – Ballester J, Robine JM, Herrmann FR, Rodó X – Will climate warming decrease winter mortality in Europe? – New York Academy of Sciences, Barcelona, Catalonia, Spain.
28. *Apr'15*: EGU General Assembly 2015 – Ballester J, Bordoni S, Petrova D, Rodó X – On the relative role of meridional convergence and downwelling motion during the heat buildup leading to El Niño events – European Geosciences Union (EGU), Vienna, Austria.
27. *Apr'15*: EGU General Assembly 2015 – Lowe R, Ballester J, Creswick J, Robine JM, Herrmann FR, Rodó X – A climate-driven mortality modelling tool for Europe – European Geosciences Union (EGU), Vienna, Austria.
26. *Apr'15*: EGU General Assembly 2015 – Petrova D, Koopman SJ, Ballester J, Rodó X – Structural Time Series Model for El Niño Prediction – European Geosciences Union (EGU), Vienna, Austria.
25. *Apr'15*: EGU General Assembly 2015 – Curcoll Masanes R, Rodó X, Anton J, Ballester J, Jornet A, Nofuentes M, Sanchez-Manubens J, Morguá JA – Use of Lagrangian transport models and Sterilized High Volume Sampling to pinpoint the source region of Kawasaki disease and determine the etiologic agent – European Geosciences Union (EGU), Vienna, Austria.
24. *Apr'15*: CED Seminar – Ballester J, Robine JM, Herrmann FR, Rodó X – Will climate warming decrease winter mortality in Europe? – Centre d'Estudis Demogràfics (CED), Bellaterra, Catalonia, Spain.
23. *Jan'15*: Fifth Data without Boundaries Training Course – Centre d'Estudis Demogràfics (CED), Bellaterra, Catalonia, Spain.
22. *Dec'14*: AGU Fall Meeting 2014 – Ballester J, Bordoni S, Petrova D, Rodó X – Ocean-atmosphere mechanisms explaining the heat buildup leading to El Niño events – American Geophysical Union (AGU), San Francisco, California, United States.
21. *Nov'14*: 2nd International Ocean Research Conference – Petrova D, Koopman SJ, Ballester J, Rodó X – Unobserved Components Time Series Model for ENSO Prediction – Intergovernmental Oceanographic Commission of UNESCO, Barcelona, Catalonia, Spain.
20. *Apr'14*: EGU General Assembly 2014 – Lowe R, Ballester J, Creswick J, Robine JM, Herrmann FR, Rodó X – A decision support service for temperature-related mortality in Europe – European Geosciences Union (EGU), Vienna, Austria.

19. *Mar'14*: Environmental Science and Engineering Dynamics Group Seminar – Ballester J, Bordoni S, Petrova D, Rodó X – On the equatorial subsurface temperature buildup linking opposite ENSO events – California Institute of Technology (Caltech) – Pasadena, California, United States.
18. *Feb'14*: Ocean Sciences Meeting 2014 – Ballester J, Bordoni S, Petrova D, Rodó X – On the equatorial subsurface temperature buildup linking opposite ENSO events – American Geophysical Union (AGU), Honolulu, Hawaii, United States.
17. *Feb'14*: Ocean Sciences Meeting 2014 – Petrova D, Koopman SJ, Ballester J, Rodó X – Forecasting El Niño Using Unobserved Components Time Series Models – American Geophysical Union (AGU), Honolulu, Hawaii, United States.
16. *Dec'13*: AGU Fall Meeting 2013 – Lowe R, Ballester J, Robine JM, Herrmann FR, Jupp TE, Stephenson DB, Rodó X – A novel visualisation tool for climate services: a case study of temperature extremes and human mortality in Europe – American Geophysical Union (AGU), San Francisco, California, United States.
15. *Jan'13*: 93rd AMS Annual Meeting – Cayan D, Bainto E, Herzog L, Fabri OA, Uehara R, Burgner D, Ballester J, Rodó X, Burns JC, Tyree M, Paolini J, and the International Kawasaki Disease Climate Consortium – Association of Kawasaki Disease with Tropospheric Wind Patterns – American Meteorological Society (AMS), Austin, Texas, United States.
14. *Feb'12*: 10th International Kawasaki Disease Symposium – Cayan D, Bainto E, Herzog L, Fabri OA, Uehara R, Burgner D, Ballester J, Rodó X, Burns JC, Tyree M, Paolini J, and the International Kawasaki Disease Climate Consortium – An Apparent Seasonal Cycle in the Occurrence of Kawasaki Disease over the Globe – Hyatt Regency Kyoto, Kyoto, Japan.
13. *Mar'11*: Workshop on Drought Predictability and Prediction in a Changing Climate – Cosmocaixa, Barcelona, Catalonia, Spain.
12. *Sep'10*: Workshop on Kawasaki Disease – Ballester J, Rodó X – Interannual anomalies of Kawasaki Disease in Japan – Institut Català de Ciències del Clima (IC3), Barcelona, Catalonia, Spain.
11. *Jun'10*: INSERM Seminar – Ballester J, Rodó X – Projections of Temperature-Related Mortality – Institut National de la Santé et de la Recherche Médicale (INSERM), Montpellier, France.
10. *Nov'09*: Scientific Sessions PRBB – Ballester J, Rodó X – Scenario Changes in European Temperature Extremes – Centre de Recerca en Epidemiologia Ambiental (CREAL), Barcelona, Catalonia, Spain.
09. *Aug'09*: GFDL Seminar – Ballester J, Rodó X – Scenario Changes in European Temperature Extremes – Geophysical Fluid Dynamics Laboratory (GFDL), Princeton, New Jersey, United States.
08. *Apr'08*: Earth System Physics Seminar – Ballester J, Rodó X, Giorgi F – Regional Extremes and Climate Predictability in Europe – The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
07. *Mar'08*: 4th Workshop on the Theory and Use of Regional Climate Models – The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
06. *Jul'07*: Transferable and Professional Challenges in Cross-Scientific Global Climate Research, A Summer School for European Research Leaders of the Future – Ballester J – Climate predictability in Europe – Coimbra Group, University of Bergen, Bergen, Norway.
05. *Jun'07*: WCRP Workshop on Seasonal Prediction – Ballester J, Rodó X, Cash B – Potential sources of seasonal climate predictability in the Mediterranean basin – World Climate Research Programme (WCRP), Barcelona, Catalonia, Spain.
04. *Apr'07*: EGU General Assembly 2007 – Ballester J, Rodó X, Cash B – Potential sources of seasonal climate predictability in the Mediterranean basin – European Geosciences Union (EGU), Vienna, Austria.
03. *Nov'06*: New and Re-emerging Diseases, Populations and Climate – Cosmocaixa, Barcelona, Catalonia, Spain.
02. *May'06*: 3rd Workshop on the Theory and Use of Regional Climate Models – The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy.
01. *Mar'06*: Jornadas del Ministerio de Medio Ambiente – Ballester J, Rodó X – Generación de escenarios de cambio climático regional – Ministerio de Medio Ambiente, Madrid, Spain.

OTHER MERITS

Summer school (Jul'07): Transferable and Professional Challenges in Cross-Scientific Global Climate Research, A Summer School for European Research Leaders of the Future, Coimbra Group, University of Bergen, Bergen, Norway.

Academic experience (Dec'05): Human dimensions of Global Change, UNESCO Chair, Universitat Politècnica de Catalunya, Barcelona, Catalonia, Spain.

Referee in peer-reviewed journals: **Nature, Nature Climate Change, The Lancet Planetary Health, Nature Scientific Reports**, Climate Dynamics, Bulletin of the American Meteorological Society, Climatic Change, Environmental Research Letters, International Journal of Climatology, Science of the Total Environment.

Languages: Catalan and Spanish (mother tongues), English and French (fluent), Italian (basic skills).