

## CURRÍCULUM VITAE

### Sonia Quiroga

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#### **Puesto Actual**

- Profesor Titular en el Departamento de Análisis Económico y Economía Cuantitativa. Universidad Complutense de Madrid.

#### **Puestos anteriores**

- 2012-2021. Profesor Titular en el Departamento de Economía. Universidad de Alcalá.
- 2011. Profesor visitante, Departamento de Relaciones Internacionales. Université Lumière 2, Lyon.
- 2006-2012. Profesor Ayudante Doctor, Departamento de Estadística, Estructura Económica y Organización Económica Internacional. Universidad de Alcalá.
- 2001-2006. Profesor Asociado a tiempo completo. Universidad Europea de Madrid.

#### **Actividad de investigación y transferencia**

#### **Proyectos de I+D financiados en convocatorias competitivas**

#### **Participación como Investigador principal**

PATTERN. Providing operational economic appraisal methods and practices for informed decision-making in climate and environmental policies. Horizon 2020 Research and Innovation Action. EU Commission. Ref: 101056734 (Grant Agreement ongoing). 2022-2025.

REFORM. Spending review on climate change policies and assessment of the economic impact of climate change-related risks– Request for Service. DG-REFORM. EU Commission. Ref: SC2021/057. 2021-2022 (En colaboración con Deloitte).

DAMOCLES. Understanding and modelling compound climate and weather events. European Commission, Cost Action EU Programme. Ref: CA17109. 2018-2022.

INHERIT. Achieving Healthy and Environmentally Sustainable Lives for all. Programa: INter-sectoral Health and Environment Research for InnovaTion. Horizon 2020 Research and Innovation Action. Comosión Europea. Ref: Grant Agreement No 667364. 2016-2020.

ECOHEALTH. Adaptación al cambio climático en España con Co-beneficios en la salud, turismo, ecosistema y alimentación. Fundación Biodiversidad. Línea de Actuación: Cambio Climático y Calidad Ambiental. Ref: G95532826. 2014-2016.

FACESMAP. Forest land ownership changes in Europe: Significance for management and policy. European Comission, Cost Action EU Programme (FPS Cluster). Ref: FPS COST Action FP1201. 2012-2015.

TObeWELL. Tourism, Wellbeing and Ecosystem Services. European Comission, Cost Action EU Programme (ISCH Cluster Individuals, Societies, Cultures and Health). Ref: ISCH COST Action IS1204. 2013-2015.

VIAGUA. Vulnerabilidad, impactos y adaptación al cambio climático sobre recursos hídricos en Iberoamérica. Programa CYTED, 2009. Ref: PU09AC0291. 2010-2013.

ARCO. Vulnerabilidad, impactos y adaptación al cambio climático: estudio integrado sobre la agricultura, recursos hídricos y costas. Secretaría de Estado de Cambio Climático. Ministerio de Medio Ambiente, Medio Rural y Marino (MARM). 2008- 2012.

### **Participación como miembro del equipo de investigación**

Simulacion de escenarios climaticos y adaptacion de sistemas de recursos hídricos. R&D projects - RTI Tipo A (2019). Ref: PID2019-105852RA-I00. Ministerio de Ciencia e Innovación.(Ministry of Science and Innovation in Spain). 2020-2023.

GotEnergy Talent. The wood biomass energy development in the Mediterranean basin: when global mitigation conflicts territorial adaptation. (Mentor: Sonia Quiroga, Fellow: Roxane Sansilvestri). GET-COFUND MarieCurie Fellows. Horizon 2020, EU Commission. GA number 754382. 2019-2020.

Desarrollo de indicadores para la monitorización de la adaptación al cambio climático en la Comunidad de Madrid. Fundación Canal (Canal de Isabel II). 2015-2017.

Valoración Económica de la Adaptación al Cambio Climático en España en el Sector de Recursos Hídricos. Fundación Biodiversidad. Línea de Actuación: Cambio climático y Calidad Ambiental. Ref. Q2818014I. 2014-2015.

VULPINECLIM. Vulnerabilidad de pinares Ibéricos frente al cambio climático: Impactos históricos y modelización de escenarios futuros para la adaptación. Ref: CGL2013-44553-R. Ministerio de Economía y Competitividad. 2014-2016.

FUNDIV. Functional significance of forest biodiversity in Europe. European Commission, 7th Framework Programme. Reference CE: FP7-ENV-2010. Ref: 265171. 2011-2013.

DEWFORA. Improved drought early warning and forecasting to preparedness and adaptation to droughts in Africa. European Commission, 7th Framework Programme. Ref: 265454. 2011-2012.

WASSERMED. Water availability and security in Southern Europe and the Mediterranean. European Commission, European Commission, 7th Framework Programme. (CLIMASEC cluster). 2010-2012.

CLIMATECOST. Full costs of climate change. Ref: 212774. European Commission, 7th framework programme. 2008-2011.

Efecto disuasorio del tipo de contrato de seguro sobre el fraude. Fundación Mapfre. 2010-2011.

Impacto del Cambio Climático sobre la productividad de la agricultura de España y Túnez. Agencia Española de Cooperación Internacional para el Desarrollo. Ministerio de Asuntos Exteriores y de Cooperación. Ref: A/020887/08. 2009-2010.

CIRCE. Climate Change and Impact Research: the Mediterranean Environment. European Commission, 6th Framework Programme. 2006-2010.

PESETA. Projection of economic impacts of climate change in sectors of Europe based on bottom-up analysis. Lot 4: Agriculture. Ref: 150364-2005-F1ED-ES. European Commission, ITPS, Joint Research Center. 2006 -2008.

Modelos dinámicos de optimización para la gestión de sistemas agroforestales incorporando beneficios ambientales y comerciales: aplicación en el Parque Natural de los alcornocales. Ref: SEJ205-05085. Ministerio de Educación y Ciencia. 2005-2008.

MEDROPLAN. Mediterranean Drought Preparedness and Mitigation Planning. European Commission, EuropeAid Co-operation Office, Euro Mediterranean Regional Programme for Local Water Management. Ref: ME8/AIDCO/2001/0515/59770 – P 027. 2003 -2007.

### **Contratos de impacto social y económico con Organismos Internacionales**

WB (Banco Mundial) Asistencia técnica – Consultor internacional en Economía. Proyecto: “Strategic Plans for Disaster Risk Financing, Risk Reduction and Hydromet Services in South Asia”. Octubre 2020-Julio 2022.

WB (Banco Mundial) Asistencia técnica – Consultor internacional para CBA. Proyecto: “Strengthening Disaster Risk Reduction Coordination Planning and Policy Advisory Capacity of the Economic Community of South African States” Mayo-Junio 2021.

WB (Banco Mundial) Asistencia técnica – Consultor internacional para CBA. Proyecto: “ECOWAS: Strengthening Disaster Risk Reduction Coordination Planning and Policy Advisory Capacity of the Economic Community of West African States. Julio-Septiembre 2020.

COSUDE Asistencia técnica – Consultor internacional para la Agencia Suiza de Cooperación y Desarrollo. Análisis Coste-Beneficio para la evaluación final del Proyecto CLIMANDES (Climate Services for the development in the Andes region). En colaboración con URV, MeteoSwiss and OMM. Julio-Octubre 2018.

WB (Banco Mundial) Asistencia técnica – Consultor internacional en Water Economics and Finance. Proyecto: “Evaluation and monitoring the National Water Resources Plan for Panamá-2015-2050”. (En colaboración con CONAGUA (National Council for Water Resources Coordination). Mayo 2018- Junio 2018.

WB y SFLAC (Spanish Fund for Latinamerican Countries) Asistencia técnica – Consultor internacional para Water Latin America & Caribbean. Proyecto: “Defining a baseline and ToR proposal for monitoring and evaluating Water Security in Perú” (En colaboración con Autoridad Nacional del Agua (ANA) en Perú. Abril 2018-Agosto 2018.

WB y SFLAC (Spanish Fund for Latinamerican Countries) Asistencia técnica – Consultor internacional para Water Latin America & Caribbean. Proyecto: “Evaluation of PES (Payments for Ecosystem Services) instrument in the context of the SEDAPAL

Programme “Sembramos Agua”. (En colaboración con SEDAPAL (Compañía de agua y saneamiento en Lima). World Bank, April 2018-August 2018.

WB Asistencia técnica – Asistencia técnica como Economista. Proyecto: “Strategic Plans for Disaster Risk Financing, Risk Reduction and Hydromet Services in South East Asia”. Contribución: Study on socio-economic benefits of modernized national hydrological, meteorological and early warning services in Lao PDR. Septiembre 2017-Junio 2018.

UNECE-FAO-Consultoría– Proyecto: Forest ownership reporting in the UNECE region for the Programme of Work 2014-2017”. Contribution: Draft the chapter “3.1: Provision of forest ecosystem goods and services and forest ownership”. Forestry and Timber Section. Diciembre 2017.

Proyecto: “Modernization plan Strengthening Climate Information and Early Warning Systems to Support Climate-Resilient Development in Honduras and Nicaragua”. Contribución al Análisis Coste-Beneficio (en colaboración con Jeffrey Lazo, NCAR). Banco Mundial, Junio 2017-Enero 2018.

WB Asistencia técnica – Consultor Internacional en Water Economics and Finance. Proyecto: “Support for the development of the National Water Resources Plan for Nicaragua”. Contribución: Assessment of the economic impact of improving water resources management and the assessment of its financial framework. Abril 2017-Junio 2017.

WB Asistencia técnica como Economista. Proyecto: “Peru integrated water resources management project”. Contribución: Financial report for the PAD-Project Appraisal Document. World Bank, Noviembre 2016-Marzo 2017.

WB Asistencia técnica como Economista. Proyecto: “Roadmap for the modernization of the hydro-meteorological information in Uruguay”. Contribución: Cost-Benefit analysis for the Roadmap document. Mayo 2016- Septiembre 2016.

WMO (Organización Mundial de Meteorología para las Naciones Unidas) Consultoría – Recurso (formadora) para el Workshop on Socio-economic benefits (SEB) of SENAMHI National Hydro-Meteorological Service in Peru, Agosto, 2016.

WB Consultoría – Economista. Proyecto: “Water resources management modernization project in Peru”. Contribución: Cost-Benefit analysis for the ICR- Implementation Completion and Results- report. Marzo 2016- Junio 2016.

WMO Consultoría – Recurso (formadora) para el Workshop on Socio-economic evaluation of National Hydro-Meteorological Service in Seychelles. Enero, 2016.

ACF (Action contre la Faim) Consultoría – Economista experto. Proyecto: “Analysis of drought implications in El Salvador Guatemala, Honduras and Nicaragua in the framework of the Action Plan DIPECHO”. Enero-Marzo 2016.

UNFCCC (Convención Marco de las Naciones Unidas para el Cambio Climático) Consultoría – Proyecto de formación técnico: CGE Hands-on Training Workshop on Vulnerability and Adaptation Assessment for Africa, Latin América and Asia regions. Mayo-Octubre 2015.

Proyecto: “Diagnosis of the National service of meteorology and hydrology in Perú”. Contribución a la Evaluación Económica para el PAD-Project Appraisal Document. Banco Mundial, Noviembre 2013- Junio 2014.

Programa de formación: “CGE Hands-on Training Workshop on Vulnerability and Adaptation Assessment for Africa, Latin América and Asia regions”. Organismo financiador: United Nations Framework for Climate Change Convention (UNFCCC). Duración: 2011-2012.

Proyecto: “Reducing vulnerability to climate change in the agriculture sector in Eastern Europe and central Asia”. Organismo financiador: Banco Mundial. Duración: 2010-2011.

WMO Consultoría- Proyecto: “Socioeconomic assessment for the workshop to improve the relationship between the National Hydro-Meteorological Service and their users in Uruguay”. Junio, 2010.

WMO Consultoría – Recurso (formadora) para el Training Workshop on Socio-economic evaluation of National Hydro-Meteorological Services. Nanjing, China. Septiembre, 2009.

WMO Consultoría- Proyecto: “Socioeconomic assessment for the workshop to improve the relationship between the National Hydro-Meteorological Service and their users in Panamá”. Marzo, 2009.

WMO- Consultoría. Proyecto: “Socioeconomic assessment of the impact of “Learning through doing (LTD)” pilot projects to improve relations with users, to be implemented in Chile and Perú. Abril-Septiembre 2009.

CIHEAM (Centre international de hautes études agronomiques méditerranéennes) - IAMZ (Instituto Agronómico del Mediterráneo de Zaragoza). Contrato de investigación: Preparación de las guías: MEDROPLAN Guidelines for drought management in the Mediterranean. Octubre 2006-Junio 2007.

## Publicaciones

García de Jalón S, Chiabai A, Quiroga S, Suárez C, Ščasný M, Máca V, Zvěřinová I, Marques S, Craveiro D, Taylor T (2021) The influence of urban greenspaces on people's physical activity: A population-based study in Spain. *Landscape and Urban Planning*, Volume 215, 104229. (In press).

Craveiro D, Marques S, Zvěřinová I, Máca V, Ščasný M, Chiabai A, Suarez C, Martinez-Juarez P, García de Jalón S, Quiroga S, Taylor T (2021) Explaining inequalities in fruit and vegetable intake in Europe: the role of capabilities, opportunities, and motivations. *Appetite*, Volume 165, 1 October 2021, 105283 (In press).

Latorre-Coscolluela, C., Suárez, C., Quiroga, S., Anzano-Oto, S., Lira-Rodríguez, E., & Salamanca-Villate, A. (2021). Facilitating self-efficacy in university students: an interactive approach with Flipped Classroom. *Higher Education Research & Development*, 1-15.

Latorre-Coscolluela C, Suárez C, Quiroga S, Sobradie-Sierra N, Lozano-Blasco R, Rodríguez-Martínez R (2021) Flipped Classroom model before and during COVID-19: Using technology to develop 21st century skills. *Interactive Technology and Smart Education* (In press)

García de Jalón S, Chiabai A, Mc Tague A, Artaza N, de Ayala A, Quiroga S, Kruize H, Suárez C, Bell R, Taylor T. (2020). Providing Access to Urban Green Spaces: A Participatory Benefit-Cost Analysis in Spain. *International Journal of Environmental Research and Public Health* 2020, 17(8), 2818.

Chiabai A, Quiroga S, Martinez-Juarez P, Suarez C, García de Jalón S, Taylor T. (2020). Exposure to green areas: Modelling health benefits in a context of study heterogeneity. *Ecological Economics*, Vol 167, 106401.

Xhelili A, Strube R, Grossi F, Zvěřinová I, Taylor T, Martinez-Juarez P, Quiroga S, Suárez C, Gjorgjev D. A (2020). Technological Scenario for a Healthier, More Equitable and

Sustainable Europe in 2040: Citizen Perceptions and Policy Implications. *International Journal of Environmental Research and Public Health*, 17(1):231.

Quiroga S, Suarez C, Solís JD, Martinez-Juarez P (2020). Framing vulnerability and coffee farmers' behaviour in the context of climate change adaptation in Nicaragua. *World Development*, Vol 126, 104733.

Bell R, Khan M, Romeo-Velilla M, Stegeman I, Godfrey A, Taylor T, Morris G, Staatsen B, van der Vliet N, Kruize H, Anthun KS, Lillefjell M, Espnes GA, Chiabai A, García de Jalón S, Quiroga S, Martinez-Juarez P, Máca V, Zvěřinová I, Ščasný M, Marques S, Craveiro D, Westerink J, Spelt H, Karnaki P, Strube R, Merritt A-S, Friberg M, Bêlorgey N, Vos M, Gjorgjev D, Upelniece I, Costongs C. (2020). Ten Lessons for Good Practice for the INHERIT Triple Win: Health, Equity, and Environmental Sustainability. *International Journal of Environmental Research and Public Health*, 16(22):4546.

UNECE and FAO (2019) Who owns our forests? Forest ownership in the ECE region. ECE/TIM/SP/43, UNITED NATIONS PUBLICATION, Geneva. (eISBN 978-92-1-004828-6. ISSN 1020-2269. eISSN 2518-6450)

Craveiro D, Marques S, Marreiros A, Bell R, Khan M, Godinho C, Quiroga S, Suárez C. (2019). Equity, Health, and Sustainability with PROVE: The Evaluation of a Portuguese Program for a Short Distance Supply Chain of Fruits and Vegetables. *International Journal of Environmental Research and Public Health*, 16(24):5083.

Quiroga, S., Suarez, C., Ficko, A., Feliciano, D., Bouriaud, L., Brahic, E., Deuffic, P., Dobsinska, Z., Jarsky, V., Lawrence, A., Nybakk, E. (2019). What influences European private forest owners' affinity for subsidies? *Forest Policy and Economy*, 99:136-144.

Martinez-Juarez P, Chiabai A, Suárez C, Quiroga S. (2019). Insights on Urban and Periurban Adaptation Strategies Based on Stakeholders' Perceptions on Hard and Soft Responses to Climate Change. *Sustainability*, 11(3):647.

Kruize H, Van der Vliet N, Staatsen B, Bell R, Chiabai A, Muiños G, Higgins, Quiroga S, Martinez-Juarez P, Aberg Yngwe M, Tschlas F, Karnaki P, Lima ML, García de Jalón S, Khan M, Morris G, Stegeman I. (2019). Urban Green Space: Creating a Triple Win for Environmental Sustainability, Health, and Health Equity through Behavior Change. *International Journal of Environmental Research and Public Health*, 16(22), 4403.

Sarvašová Z, Quiroga S, Suárez C, Ali T, Lukminee D, Djordjevic I, Hribg M (2019) Understanding the drivers for Natura 2000 payments in forests: a Heckman selection analysis. *Journal for Nature Conservation*, 46, 28-36.

Quiroga S., Martínez Juárez P., Amelung B. (2019) Valoración económica de la reputación en sostenibilidad y aspectos medioambientales: el impacto socio-económico de los intangibles ambientales. (Spetial Issue on: Intantigle Assets), *Economía industrial*, 414, 31-40.

Quiroga, S. (2018). Socioeconomic Analysis of the Potential Benefits of Modernizing Hydrometeorological Services in the Lao People's Democratic Republic (English). Washington, D.C. : World Bank Group.  
<http://documents.worldbank.org/curated/en/842621563163324249/Socioeconomic-Analysis-of-the-Potential-Benefits-of-Modernizing-Hydrometeorological-Services-in-the-Lao-People-s-Democratic-Republic>.

Van der Vliet N, Staatsen B, Kruize H, Morris G, Costongs C, Bell R, Marques S, Taylor T, Quiroga S, Martinez-Juarez P, Máca V, Ščasný M, Zvěřinová I, Fozija F, Gjorgjev D, Arild Espnes G, Schuit J (2018). The INHERIT Model: A Tool to Jointly Improve Health, Environmental Sustainability and Health Equity through Behavior and Lifestyle Change. *International Journal of Environmental Research and Public Health*, (In Press).

Chiabai, A., Quiroga S., Martínez-Juarez P., Higgins S., Taylor T. (2018). The nexus between climate change, ecosystem services and human health: Towards a conceptual framework. *Science of the Total Environment*, 635, 1191-1204.

Weiss G, Lawrence A, Hujala T, Lidestav G, Nichiforel L, Nybakk E, Quiroga S, Sarvasova Z, Suarez C, Zivojinovic I (2018). Forest Ownership Changes in Europe: State of Knowledge and Conceptual Foundations. *Journal of Forest Policy and Economics*, (In Press).

Sarvasova Z, Ali T, Djordjevic I, Lukmine D, Quiroga S, Suarez C, Hrib M, Rondeux J, Mantzanas KT, Franz K. (2018). Natura 2000 payments for private forest owners in Rural Development Programmes 2007–2013 - a comparative view. *Journal of Forest Policy and Economics*, (In Press).

Quiroga S, Suárez C, Fernández-Haddad Z, Philippidis G. (2017) Levelling the playing field for European Union agriculture: Does the Common Agricultural Policy impact homogeneously on farm productivity and efficiency? *Land Use Policy*, 68, 179-188.

Feliciano D., Bouriaud L, Brahic E, Deuffic P, Dobsinska Z, Jarsky V, Lawrence A, Nybakk E, Quiroga S, Suarez C, Ficko A. (2017). Understanding private forest owners' conceptualisation of forest management: Evidence from a survey in seven European countries, *Journal of Rural Studies*, 54, 162-176.

Quiroga S, Suárez C, Solís JD, Martínez-Juárez P. (2017). A micro-econometric analysis of climate change drivers for coffee crops transition to cacao in Mesoamerican countries. *Proceedings of the 7th Economics & Finance Conference*, Tel Aviv. International Institute of Social and Economic Sciences Prague, Czech Republic, pp. 311-326.

Quiroga S, Cerdá E. (2017). Exploring farmers' selection of crop protection levels as an adaptation strategy to climate risks. *Proceedings of the 7th Economics & Finance Conference*, Tel Aviv. International Institute of Social and Economic Sciences Prague, Czech Republic, pp. 327-353.

Quiroga S., Suárez C. (2016). Climate change and water scarcity effects on the rural income distribution in the Mediterranean: A case study for Spain. *Natural Hazards and Earth System Science*. (Special Issue on Climate change, extreme events and hazards in the Mediterranean region), 16, 1–17.

Cerdá, E., Quiroga, S. (2016). Analysing the economics value of meteorological information to improve crop risk management decisions. *Economía Agraria y Recursos Naturales*, 15,2, 5-30.

Quiroga S, Suárez C, Fernández-Haddad Z. (2015) Methods for the economic evaluation of climate change impacts and adaptation on the agricultural and forest sector. [In Spanish: Metodologías para la evaluación económica de los impactos del cambio climático y la adaptación en el sector agrícola y forestal]. Capítulo 44. En: Herrero A, Zavala MA, [Editores]. *Los Bosques y la Biodiversidad frente al Cambio Climático: Impactos, Vulnerabilidad y Adaptación en España*. MAGRAMA, Madrid, España

Martinez-Juarez P, Chiabai A, Taylor T, Quiroga S . (2015). The impact of ecosystems on human health and well-being: A critical review. *Journal of Outdoor Recreation and Tourism*. 10, 63-69.

Quiroga S, Suárez C, Sarvašová Z, Schraml U, Hujala T. (2015) Policy and Forest Ownership: Mutual Relations. In: Živojinović, I., Lidestav, G., Feliciano, D., Hujala, T., Lawrence, A., Weiss, G. [Editores]. *Concepts, methods and findings in forest ownership research in Europe. Mid-term Proceedings of the COST Action FP1201 Forest Land Ownership Changes in Europe: Significance for Management and Policy* FACESMAP.

EFICEEC-EFISEE Research Report. University of Natural Resources and Life Sciences, Vienna (BOKU), Viena, Austria. 120 páginas. (Online).

Quiroga, S., Domínguez, G., Suárez, C., Gorriz, E., Barrio, M., Marey, M., Martínez de Arano, I., Ojea, E., Solís, J. D. (2015) Forest Land Ownership Change in Spain. COST Action FP1201.FACESMAP Country Report, European Forest Institute Central-East and South-East European, Regional Office, Viena, Austria. 40 páginas. (Online).

Martinez-Juarez P, Chiabai A, Quiroga S, Taylor T. (2015). Ecosystems and human health: towards a conceptual framework for assessing the co-benefits of climate change adaptation. Basque Center for Climate Change BC3 Working papers [2015-01].

Quiroga S., Solís J.D., Suárez C. (2015). Exploring coffee farmers' awareness about climate change and water needs: smallholders' perceptions of adaptive capacity. *Environmental Science and Policy*, 45, 53-66.

Quiroga S., Fernández-Haddad Z., Suárez C. (2014). Do water rights affect technical efficiency and social disparities of crop production in the Mediterranean?. *Water*, 6, 3300-3319.

González-Zeas D, Quiroga S, Iglesias A, Garrote L (2014). Looking beyond the average agricultural impacts in defining adaptation needs in Europe. *Regional Environmental Change*. 14, 1983-1993.

Gaál; M., Quiroga, S., Fernandez-Haddad, Z. (2014). "Potential impacts of climate change on agricultural land use suitability of the Hungarian counties". *Regional Environmental Change*. 14, 597-610.

García de Jalón S, Iglesias A, Quiroga S, Bardají I (2013) Exploring public support for climate change adaptation policies in the Mediterranean region: A case study in Southern Spain. *Environmental Science and Policy*, 29, 1-11.

Iglesias, A., Garrote, L., Quiroga, S., Moneo, M. (2012). "A regional comparison of the effects of climate change on agriculture in Europe". *Climatic Change*, 112, 1, 29-46.

Iglesias, A., Quiroga, S., Moneo, M., Garrote, L. (2012). "From climate change impacts to the development of adaptation strategies: Challenges for agriculture in Europe" *Climatic Change*, 112, 1, 143-168

Lucas S., Moreno I., Quiroga S., Vázquez FJ., Watt, R. (2012). "Efecto disuasorio del tipo de contrato sobre el fraude". *Cuadernos de la Fundación Mapfre*, nº 184, 175p,

Fundación Mapfre, Instituto de Ciencias del Seguro, Madrid. In Internet:  
[http://www.fundacionmapfre.org/fundacion/es\\_es/ciencias-del-seguro/publicaciones/cuadernos-fundacion/cuadernos-recientes](http://www.fundacionmapfre.org/fundacion/es_es/ciencias-del-seguro/publicaciones/cuadernos-fundacion/cuadernos-recientes).

Iglesias, A., Quiroga, S., Diz, A. (2011) "Looking into the future of agriculture in a changing climate". *European Review of Agricultural Economics*, 38 (3) pp. 427–447.

Quiroga, S. Garrote L., Fernandez-Haddad, Z., Iglesias, A. (2011). "Valuing drought information for irrigation farmers: potential development of a hydrological risk insurance in Spain". *Spanish Journal of Agricultural Research*, 9(4), 1059-1075.

Iglesias, A., Quiroga, S., Diz, A., Garrote, L. (2011) "Adapting agriculture to climate change". *Economía Agraria y Recursos Naturales*, 11, 2, 109-122.

Iglesias, A., Quiroga, S., Sotés, V. (2011). "La agricultura española y el cambio climático". *Economistas, Spetial Issue: Economía del Cambio Climático*. Vol. 127,p. 19-27.

Quiroga, S., Fernández-Haddad, Z , Iglesias, A. (2011). "Crop yields response to water pressures in the Ebro basin in spain: risk and water policy implications". *Hydrology Earth Systems Science*, 15, p. 505-518. Doi:10.5194/Hess-15-505-2011

Schlickenrieder, J., Quiroga, S., Diz, A., Iglesias, A. (2011) "Impacts and adaptive capacity as drivers for prioritising agricultural adaptation to climate change in Europe". *Economía Agraria y Recursos Naturales*, 11, 1, 59-82.

Iglesias, A., Raoudha, M., Moneo, M., Quiroga, S. (2011). "Towards adaptation of agriculture to climate change in the Mediterranean". *Regional Enviromental Change*, 11 (Suppl 1), S159–S166. Doi: 10.1007/S10113-010-0187-4

Quiroga, S., Garrote, L., Iglesias, A., Fernández-Haddad, Z., Schlickenrieder, J., De Lama, B., Mosso, C., Sanchez-Arcilla, A. (2011). "The economic value of drought information for water management under climate change: a case study in the Ebro Basin". *Natural Hazards And Earth System Sciences*, 11, 1-15.

Cerdá, E., Quiroga, S. (2011). "Optimal crop protection against climate risk in a dynamic cost-loss decision-making model". *International Journal of Ecological Economics and Statistics, Special Issue: Non-Strictly Economics Motivations And Intergenerational Equity In Ecological Models*. 23 (F11), 129-149.

Iglesias A, Quiroga S., Schlickerrieder J. (2010). "Climate change and agricultural adaptation: assessing management uncertainty for four crop types in Spain". *Climatic Research*, 44, p. 83-94.

Resco, P., Quiroga, S., Iglesias, A., Sotes, V. (2010). "Risk of climate change for grapevine production in Mediterranean areas". *Le Bulletin De L'oiv (Organisation Internationale De La Vigne Et Du Vin)*, 83, p. 315-322.

Iglesias, A., Quiroga, S. (2010). "Cambio climático, agua y producción de alimentos". *Cambio climático y lucha contra la pobreza*. Pardo, M., Rodríguez, M. [Eds], Chapter 3, p. 55-76. Ed. Siglo XXI, Madrid.

Quiroga, S., Iglesias, A. (2010) "Comparativa de la productividad marginal del clima sobre los rendimientos de algunos cultivos representativos en España". *Principios, Estudios De Economía Política*, 16, p. 55-70.

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Iglesias, A., Garrote, L., Quiroga, S., Moneo, M. (2009). "Impacts of climate change in agriculture in Europe. Peseta-agriculture study". European Commission, Eur – Scientific And Technical Research Series, Eur 24107 En – Jrc– Ipts. Luxembourg: Office For Official Publications Of The European Communities. In Internet: <http://Ipts.Jrc.Ec.Europa.Eu/Publications/Pub.Cfm?Id=2900>

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Cerdá, E. Quiroga, S. (2009). "Economic value of weather forecasting: the role of risk aversion". Accepted in: *TOP: An Official Journal of the Spanish Society of Statistics and Operations Research*, 19(1), 130-149.

Quiroga, S., Iglesias, A. (2009). "A comparison of the climate risks of cereal, citrus, grapevine and olive production in Spain". *Agricultural Systems*, 101, p. 91-100.

Iglesias, A., Quiroga, S., (2009). "Cambio global y recursos hídricos para la agricultura". La economía del agua de riego en España, Capítulo 11, pp. 179-198. Gómez-Limón JA, Calatrava J, Garrido A, Sáez FJ y Xabadia A [Eds]. Ed. Fundación Cajamar, Colección Economía, Almería.

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## **Divulgación de los resultados en Seminarios y Congresos**

### **Seminarios o conferencias invitadas**

Quiroga S. From the practice: Sustainable food in public schools in Spain. Conference on Food for thought: For more healthy and sustainable food for all. ISCTE Escola de Ciências Sociais e Humanas. Instituto Universitario de Lisboa. Lisbon, May 2019.

Quiroga S. Evaluation of climate services. Workshop on Climate Emergency and Energy transition. Universidad Rovira i Vigili. Tarragona, October 2019.

Quiroga S, Exploring climate change policy co-benefits on health: systematizing the effects of nature promotion. 10th International Conference on Environmental Pollution and Public Health (EPPH 2018), Guilin, China, March 2018. (Keynote speech).

Quiroga, S., Suárez C. “Do water rights affect technical efficiency and social disparities of crop production in the Mediterranean?”. Seminario de Investigación. Análisis Económico: Economía Cuantitativa (Unidad: Econometría). Universidad Autónoma de Madrid, España. Octubre, 2014.

Quiroga, S. “Evaluación económica de los impactos del cambio climático y la adaptación en el sector agro-forestal”. En: Impactos, vulnerabilidad y Adaptación de los bosques y la biodiversidad de España frente al cambio climático – Estado del conocimiento, transferencia y líneas de investigación .Centro Nacional de Educación Ambiental (CENEAM). Valsaín, España. Mayo, 2013.

Quiroga, S., Fernández-Haddad, Z., Suárez, C. “Do CAP subsidies improve agricultural technical efficiency and mitigate inequality? Looking at the marginal effects of CAP subsidies in the path of convergence across countries” Groupe d’Analyse et de Theorie economique (GATE). Université Lyon Lumière 2, Lyon, Francia. Junio, 2012.

Iglesias, A., Quiroga, S., Diz, A. “Looking into the future of agriculture in a changing climate”. Keynote speech. XIIIth Congress of the European Association of Agricultural Economists, Zurich, Suiza. Septiembre, 2011.

Quiroga S. “Medio ambiente y cambio climático”. Moderador Sesión. VIII Congreso de Economía Agraria. Madrid, España. Septiembre, 2011.

Quiroga, S. “Adaptación al cambio climático: El caso de la agricultura en España”. Seminario Invitado por la Unidad Mixta INIA-UAH. Centro de Investigaciones Forestales. Instituto Nacional de Investigaciones Agrarias. Madrid, España. Febrero, 2011.

Quiroga, S. Participación invitada en mesa de expertos. DAHLEM Konferenz 2010: New Approaches in Economics after the Financial Crisis. Freie Universität Berlin. Berlin-Dahlem, Alemania. Agosto, 2010.

Quiroga, S. Participación invitada en el UNFCCC Workshop on Costs and Benefits of Adaptation Options under the Nairobi Work Program. Madrid, España. Junio, 2010

Quiroga, S. "Valor de la información meteorológica: Un estudio de caso para la gestión de agua y cambio climático". Seminario invitado para la Clausura del curso Magister en riesgos climáticos e impacto ambiental. Agencia Estatal de Meteorología (AEMET). Madrid, España. Junio, 2010.

Quiroga, S. "Resultados de la evaluación económica del proyecto PESETA". Seminario invitado en la Jornada técnica dirigida a expertos para el intercambio de conocimientos en materia de análisis de coste-beneficio de la adaptación al cambio climático. Organizado por la Oficina Española de Cambio Climático en la Universidad Autónoma de Madrid. Madrid. Noviembre 2009.

Quiroga, S. Invitación de la Comisión Europea como Evaluador externo al: AG2020 Consortium Meeting and 3<sup>rd</sup> Expert Workshop on Images of the Future and Policy Scenarios for the AG2020. Mediterranean Agronomic Institute of Chania. Chania, Grecia. Septiembre, 2009

Quiroga, S. Invitación por Naciones Unidas a los grupos de trabajo del Second International Forum on Water and Food (IFWF2). CGIAR Challenge Program on Water and Food. United Nations, Addis Ababa, Etiopía. Noviembre, 2008.

Quiroga, S. "Projection of economic impacts of climate change in agriculture in Europe based on bottom-up analysis (PESETA project)" Invitación por la Comisión Europea al Expert Meeting Workshop on Climate change impact on agriculture. JRC. Ispra, Italia. Marzo, 2007.

Quiroga, S. "Impacts of climatic change in the agricultural sector in Europe". Presentación de resultados preliminares del proyecto PESETA (Impacts of Climate Change in Europe) to DG Environment. European Commission. Bruselas, Bélgica. Julio, 2006.

Quiroga, S. "Methods for risk analysis in Agriculture". Mediterranean Drought Preparedness and Mitigation Planning Coordination Meeting. CIHEAM-IAMZ, Hammamet, Túnez. Junio, 2005.

Quiroga, S. "Análisis Empírico de las relaciones entre el clima y la productividad agraria", Instituto Complutense de Análisis Económico (ICAE). Facultad de Ciencias Económicas y Empresariales, U. Complutense de Madrid. 2004.

Quiroga, S. "Influencia meteorológica sobre la economía". Seminario de Economía Aplicada. Universidad Europea de Madrid. 2003.

## Contribuciones en congresos

Quiroga, S. Climate change and water scarcity effects on the rural income distribution in Africa. 3rd Symposium Climate Change Adaptation Africa. 2030. Strengthening the capacity of African countries to handle the challenges of a changing environment. University of Nairobi, Kenya. January 2020.

Quiroga, S. The value of hydrometeorological information in the decision-making process for farmers: analytical decision models. I Peruvian Congress on Meteorology. The meteorology and its applications to risk management and climate change mitigation and adaptation. Universidad Nacional Agraria La Molina, Lima. November 2019.

García de Jalón S, Chiabai A, Quiroga S, Suárez C, Martínez-Juarez P, Taylor T. The potential of green areas exposure on increasing people's physical activity in Spain. 2nd Euro-Mediterranean Conference for Environmental Integration (EMCEI 2019). University of Sfax, Túnez. Octubre 2019.

Hujala T, Quiroga S, Weiss G. Towards impact and inclusiveness with forest owner related policies. 125th IUFRO Anniversary congress: Interconnecting forest, science and people, Freiburg, Germany, September 2017

Quiroga S, Suárez C, Solís JD, Martínez-Juárez P. A micro-econometric analysis of climate change drivers for coffee crops transition to cacao in Mesoamerican countries. 7th Economics & Finance Conference. International Institute of Social and Economic Sciences. Tel Aviv, Israel. Abril 2017.

Quiroga S, Cerdá E. Exploring farmers' selection of crop protection levels as an adaptation strategy to climate risks. Proceedings of the 7th Economics & Finance Conference. International Institute of Social and Economic Sciences. Tel Aviv, Israel. Abril, 2017.

Quiroga S, Suarez C, Solís JD, Martínez-Juárez P. "Does Coffee Producers' Transition to Cocoa Respond to a Sustainable Strategy to Cope with Climate Change? Mapping Probabilities for Crop Diversification in Nicaragua. International Forum: The 6th World Sustainability Forum, Ciudad El Cabo, Sudáfrica. Enero, 2017.

Quiroga, S, Suárez C, Solís JD. "Rethinking adaptation policy for coffee production in Nicaragua in a dual perspective: farmers perceptions and regional vulnerability indicators". Congreso internacional: "6th meeting of the Society for the Study of Economic Inequality (ECINEQ)". Luxemburgo, Julio, 2015.

Chiabai A., Martínez P., Quiroga S, Suárez C. "The role of stakeholders on adaptation at local scale". Conferencia Europea. "European Climate Change Adaptation Conference". Copenague (Dinamarca). Mayo, 2015.

Chiabai A., Martínez P, Quiroga S, Suárez C. "Assessing the impacts of green areas as adaptation measure on human health: A quantitative approach". Conferencia Europea: "European Climate Change Adaptation Conference". Copenague (Dinamarca). Mayo 2015.

Quiroga, S., Suárez C.: "Climate change and water scarcity effects on the rural income distribution in the Mediterranean". European Geosciences Union General Assembly, Viena. Abril 2015.

Quiroga, S., Suárez, C., Galindo, E. Analysing multi-product economic efficiency relative to forest ownership types in Spain: Implications for management and policy. XXIV IUFRO World Congress (International Union of Forest Research Organizations). Salt Lake City, EEUU. Octubre, 2014.

Quiroga, S., Suárez, C., Solís JD. Exploring coffee farmers' adaptive capacity to climate change and water needs: small holders perception of public and private support. Seminario de investigación: Economic Instruments for water management in Spain. Universidad de Alcalá. Madrid, España. Junio, 2013.

Cerdá, E., Quiroga, S. Analysing the economic value of climate extreme events information to improve crop risk management decisions in a dynamic context. Seminario de investigación: Economic Instruments for water management in Spain. Universidad de Alcalá. Madrid, España. Junio, 2013.

Quiroga, S., Chiabai, A., Suárez, C., Fernández-Haddad, Z. "Ecosystem services affecting rural income disparities, food consumption for healthy life and tourism in a climate change context". First Tobewell Seminar on Linking wellness tourism to ecosystem services: towards a research agenda. Universidad de Wageningen, Holanda. Septiembre 2013.

Bourne, M., Philippidis, G., Quiroga, S. and Fernandez-Haddad, Z. "Kyoto and Mañana: A CGE analysis of Spanish Greenhouse Gas targets to 2020" 16th annual conference on global economic analysis: "New Challenges for Global Trade in a Rapidly Changing World". Shanghai, China. Junio, 2013.

Gaál; M., Quiroga, S., Fernandez-Haddad, Z. "Climate change impacts on the agricultural potential of Hungary" EFITA, WCCA, CIGR 2013 Conference: Sustainable agriculture through ICT innovation. Turín, Italia. Junio, 2013.

Fernández-Haddad, Z., Quiroga S., Suárez, C. "The role of water and agricultural policy over competitiveness and social disparities in the Mediterranean's production" Nordic Environmental Social Science Conference 2013. Copenhagen, Dinamarca. Junio 2013.

Fernández-Haddad, Z., Quiroga S., Suárez, C. "Climate change and water adaptation policy over competitiveness and social disparities of crop production in the Mediterranean". International Conference: "Challenges on climate change". Universidad Pontificia Comillas, Madrid, España. Febrero, 2013.

Gonzalez-Zeas, D., Quiroga, S., Iglesias A., Garrote, L. "The Role of Variability in Evaluating Agricultural Adaptation Needs to Climate Change" American Water Resources Association. 2012 Annual Water Resources Conference. Jacksonville, Florida. Noviembre, 2012.

Cerdá, E., Quiroga, S. "Exploring farmer selection of crop protection level as an adaptation strategy to climate risks". V AERNA Conference. Spanish Portuguese Association of Natural Resource and Environmental Economics (AERNA). Faro, Portugal. Junio, 2012

Iglesias, A., Quiroga, S., Garrote, L. The impacts and economic costs of climate change in agriculture and the costs and benefits of adaptation. European Geosciences Union General Assembly. Viena, Austria. Abril, 2012

Iglesias, A., Quiroga S., "Mapping Food Production Disparities as a Result of Climate Change Policy" 2012 Envecon, Workshop of the UK Network of Environmental Economists. Londres, UK. Enero, 2012.

Quiroga, S., Garrote, L., Iglesias, A., Fernández-Haddad, Z., De Lama, B., Mosso, C., Sánchez-Arcilla, A., Schlickerieder, J. "The Economic value of Draught Information for Irrigation Farmers: A Case Study in the Ebro Basin". Reunión de red ECORIEGO Universidad de Córdoba. Córdoba, España. Noviembre, 2011

Iglesias, A., Quiroga, S., Garrote, L., Diz, A. "Adapting Agriculture to Climate Change". VIII Congreso de Economía Agraria. Madrid, España. Septiembre, 2011

Quiroga S., Iglesias, A., Diz, A., Schlickerieder, J. "Potential economic value of drought information to support early warning in Africa." VI EWRA International Symposium: Water engineering and management in a changing environment. Catania, Italia. Julio, 2011.

Quiroga S., Fernández-Haddad, Z. "Mediterranean crop adaptation to climate change: an index of efficiency of agricultural water in the Ebro basin." 18th annual conference

of the European association of environmental and resource economists (EAERE 2011)  
Roma, Italia. Julio, 2011

Quiroga S., Iglesias, A., Schlickerrieder, J., Garrote, L. "Economic impacts of agricultural policy responses to climate change in Europe." 14th annual conference on global economic analysis: governing global challenges: climate change, trade, finance and development. Venecia, Italia. Junio, 2011.

Fernández-Haddad, Z., Quiroga, S. Adaptación de los cultivos mediterráneos a las presiones hídricas en la Cuenca del Ebro. Un índice de eficiencia del agua. V Congreso de Eficiencia y Productividad (EFIUCO). Córdoba, España. Mayo, 2011.

Quiroga, S., Garrote, L., Fernández-Haddad, Z., Iglesias, A. Valuing drought information for irrigation farmers: potential development of a hydrological risk insurance in Spain. European Geosciences Union General Assembly. Viena, Austria. April, 2011.

Quiroga S., Iglesias, A., Fernández-Haddad, Z. Adaptation of crop yields to water pressures in the Ebro Basin: risk and water policy implications. XXXV Simposio de la Asociación Española de Economía (SAE 2010). Madrid, España. Diciembre, 2010.

Quiroga, S. "Future wáter for food production in the Ebro Basin: Risk and water policy implications". VII Congreso de la AEC: Clima, ciudad y ecosistemas, cambio climático e impactos en países ibéricos e iberoamericanos. Asociación Española del Clima. Unversidad Autónoma de Madrid. Madrid, España. Noviembre, 2010

Quiroga S., Fernández-Haddad, Z. Analysing hydrological risk and water policies implications on crop production in the Ebro river Basin in Spain. STAHY 2010: International workshop "Advances in Statistical Hydrology". Taormina, Italia. Mayo, 2010.

Quiroga S., Iglesias A, Schlickerrieder J. Assessing uncertainty to support climate change adaptation needs for Mediterranean crops. European Geosciences Union General Assambly. Viena, Austria. Abril, 2010.

Quiroga, S. Quantifying economic value of meteorological services: some general concepts and applications. International Workshop on the Assessment of Socio-Economic Benefits of Meteorological and Hydrological Services. University of Nanjing, China. Septiembre 2009.

Quiroga, S. Optimal crop protection against climate risk in a dynamic cost-loss decision-making model. 27th Conference of International Association of Agricultural Economics. Beijing, China, Agosto, 2009.

Cerdá, E., Quiroga, S. "Optimal crop protection against climate risk in a dynamic cost-loss decision-making model". Second Workshop on Dynamic Games in Management Science. Valladolid, España. Junio, 2009

Quiroga, S. A comparison of the climate risks of cereal, citrus, grapewine and olive production in Spain. EGU General Assembly, Viena, Austria. Abril 2009.

Quiroga, S. Economic impacts of climate change in European agriculture based on bottom-up analysis. XII EAAE congress (European Association of Agriculture Economics). Gante, Bélgica. Agosto 2008.

Cerdá E, Quiroga S. Optimal Crop Protection Against Climate Risk in a Dynamic Cost-Loss decision-making model. III AERNA Conference Spanish-Portuguese Association of Natural Resources and Environmental Economics, Palma de Mallorca, España. Junio 2008.

Quiroga, S. Projection of economic impacts of climate change in Agriculture in Europe. 101<sup>st</sup> Seminar of the European Association of Agriculture Economics. Management of Climate Risks in Agriculture. Humbolt University, Berlín, Alemania. Julio, 2007.

Cerdá, E., Quiroga, S. "Cost-loss decision-models with risk aversion and continuous election". EUROXXII - 22<sup>nd</sup> European Conference on Operational Research "OR creates bridges". Praga, República Checa. Julio, 2007

Quiroga, S. Vulnerability analysis. Mediterranean Drought Preparedness and Mitigation Planning Workshop on: How to cope with Drought in the Mediterranean: Guidelines for integrating risk analysis, drought preparedness and management policy. CIHEAM-IAMZ. Marrakech, Marruecos. Mayo, 2007.

Quiroga, S. Drought management guidelines. MEDROPLAN project. NOSTRUM DSS & INECO Joint meeting: IWRM through coordination, dissemination, and exploitation of research outcomes. Larnaca, Chipre. Octubre, 2007.

Quiroga, S. Climate risk to agricultural production: impacts across geographical areas". 8th European Conference on Applications of Meteorology. 7th European

Meteorological Society Annual Meeting. San Lorenzo de El Escorial, España, Octubre, 2007.

Quiroga, S. Participación en la Mesa redonda “El cambio climático y su impacto en el sur de Europa”. en el Curso de Periodismo Ambiental. Fundación BBVA y Escuela de Periodismo UAM/EL PAIS. Julio, 2007.

Quiroga, S. Projections of economic impacts of climate change in agriculture in Europe”. VI Congreso de Economía Agraria. De la Economía Agraria a la Economía Rural y Agroalimentaria. Albacete, España. Septiembre, 2007.

Quiroga, S. Cost-Loss decision models with risk aversion and continuous election”. 22nd European Conference on Operational Research. EURO XXII. Praga, República Checa, Julio, 2007.

Quiroga, S. Modelos de decision Cost-Loss con aversión al riesgo y elección continúa. XIV Jornadas de ASEPUMA. II Encuentro Internacional. Universidad de Extremadura. Badajoz, España. Septiembre, 2006.

Quiroga, S. An Analysis of Cereal Production Risk to Climate Variability in Spain. International Symposium on Economic Theory, Policy and Applications, 2006. Athens Institute for Education and Research. Atenas, Grecia. Agosto, 2006.

Quiroga, S. Crop production functions for analysis of Global Change impacts in Spain. XIth Congress of the European Association of Agricultural Economists. Copenhagen, Dinamarca. Agosto, 2005.

Quiroga, S. Relación entre el clima y la productividad agraria: Diferencias regionales y entre cultivos. V Congreso de Economía Agraria (Asociación Española de Economía Agraria). Universidad de Santiago de Compostela, España. Septiembre, 2004.

Quiroga, S. Influencia del clima sobre la productividad agrícola en España”. Congreso: XVIII Reunión Anual ASEPELT-España (Asociación de Economía Aplicada). Universidad de León, España. Junio, 2004.

### **Organización de congresos y seminarios**

Quiroga, S. Scientific Committee. IX Conference of the Spanish-Portuguese Association of Resources and Environmental Economics. Lleida, Spain. September 2021.

Quiroga, S. Session Co-covener. Understanding extreme and compound weather events. 100th American Meteorological Society meeting. Boston, Massachusetts. January 2020.

Organización del seminario del departamento de Estadística, Estructura Económica y OEI: "Microeconometría y Microeconomía Aplicada". Universidad de Alcalá. Cursos académicos: 2007-2008 y 2008-2009.

Comité de organización local de la COST ACTION IS1204: Tourism, Wellbeing and Ecosystem Services (TObeWELL) para el Seminario Training School: Research, Writing and Publishing: 2016.

### **Estancias cortas en centros de investigación en el extranjero**

Fundazione Eni Enrico Mattei (FEEM), Universidad Ca Foscari. Venecia, Italia. Junio 2012. Estancia de investigación financiada por la Comisión Europea (Proyecto Wasserved).

Université Lyon 2 - Group for Economic Analysis and Theory. Lyon, Francia. Diciembre 2011. Profesor invitado del programa Minerve de Economía.

United Nations Framework Convention on Climate Change (UNFCCC). Nairobi, Kenya. Noviembre 2011. Experto invitado en el Workshop on Vulnerability and Adaptation Assessment.

National Meteorological Directorate (DNM) de Uruguay. Montevideo, Uruguay (el). Junio 2010. Estancia financiada por World Meteorological Organization-Organización Meteorológica Mundial (WMO-OMM).

Nanjing University of Science & Technology. Nanjing . China. Septiembre 2009. Profesor en el International Workshop on the Assessment of Socio-Economic Benefits of Meteorological and Hydrological Services. Estancia financiada por la Organización Mundial de Meteorología.-Weather and Disaster Risk Reduction Services Department.

### **Premios**

XXXIX Premio al Libro Agrario. 1er Premio otorgado por la obra "La Economía del Agua de Riego en España" de varios autores. Lleida, 3 de Octubre de 2010.

## **Evaluación de Investigación**

Evalúador del informe del Panel Intergubernamental de Expertos sobre Cambio Climático: IPCC Fifth Assessment Report (AR5), First-order draft (FOD) chapters of the Working Group II contribution. Climate Change 2013: Impacts, Adaptation and Vulnerability.

Evalúador externo para los siguientes programas: EU Commission (H2020-Marie Curie ITC program); EU Commission (FP7, DG Environment); EU Cost Office (Cost Action Network); Norway National Research Programme (Agriculture).

Revisor para Revistas científicas (Entre otras: Environmental Science and Policy, Journal of Agricultural Science and Technology, Water, Climate Research, Climatic Change, Applied Ecology and Environmental Research, Agricultural Water Management, Economía Agraria y de los Recursos Naturales, Journal of Climatology, Global Environmental change, Mitigation and Adaptation Strategies, etc.)

### **Pertenencia a grupos de investigación y asociaciones científicas.**

Pertenencia a los siguientes Grupos de investigación: Sistemas Complejos en Ciencias Sociales (UAH), Grupo de Economía de los recursos naturales y ambientales. (UCM), Centro de estudios e investigación para la gestión de riesgos agrarios y medioambientales –CEIGRAM (UPM), Unidad Mixta para la investigación en gestión forestal (INIA-UAH).

Pertenencia a varias asociaciones de carácter científico: AERNA (Asociación Hispano-Portuguesa de Economía de los Recursos Naturales y Ambientales), EAERE (European Association of Environmental and Resources Economics), EGU (European Geosciences Union), EAAE (European Association of Agricultural Economics), AEEA (Asociación Española de Economía Agraria), ASEPUMA (Asociación Española de profesores universitarios de matemáticas para la Economía y la Empresa).