

**Cristina Quintas Soriano**  
**PostDoc Research Associate**

Idaho State University ·  
Department of Biological Sciences · Social-Ecological Research Lab  
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**Professional Preparation**

University	Location	Title	Degree (year)
University of Almería	Almería, Spain	Environmental Sciences	B.S., 2011
University of Almería	Almería, Spain	Global Change Assessment	M.S., 2012
University of Almería	Almería, Spain	Applied and Environmental Sciences	Ph.D., 2016

**Professional Appointments**

Idaho State University	Postdoctoral Research Associate	2016 - Present
Stockholm Resilience Center	Visiting PhD Student	2015
University of Almería	Graduate Research Assistant	2014 - 2016
Autonomous University of Madrid	Graduate Research Assistant	2012-2014

**RESEARCH AND TEACHING INTERESTS**

Social-Ecological Systems (SES): sustainable land use planning, human well-being, drivers of change, ecosystem services supply, ecosystem services beneficiaries, social sampling, conflicts of interests.

Ecosystem Services: biophysical quantification, socio-cultural assessment, economic valuation, trade-offs analysis, biophysical mapping, stakeholders, perception and preferences analysis, values.

**THESES DISSERTATION (PHD AND MASTER)**

**2016 - Quintas-Soriano, Cristina.** Analysis of land uses, ecosystem services, and human well-being in arid social-ecological systems of the Iberian Peninsula. PhD-Thesis, University of Almería, Spain

**2012 - Quintas-Soriano, Cristina.** Assessment of water ecosystem services in arid and semiarid systems: spatial analysis and social demand. Master-Thesis, University of Almería, Spain

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**PUBLICATIONS**

**ACADEMIC IMPACT OF PUBLISHED WORK**

1 book, 2 book chapters, 7 journal articles, 6 articles submitted/in preparation

Google Scholar h-index = 3 (e.g., 36 total cites, 36 from 2011)

Research Gate score: 13.53

**PROFESSIONAL HOMEPAGE OR WEBSITE:**

Google Scholar: <https://scholar.google.es/citations?user=gTpdTaUAAAAJ&hl=es>

Research Gate: [https://www.researchgate.net/profile/Cristina\\_Quintas-Soriano](https://www.researchgate.net/profile/Cristina_Quintas-Soriano)

## PEER REVIEWED PUBLICATIONS

6. **Quintas-Soriano, C.**, Castro, Antonio J., Castro, H., García-Llorente, M. 2016. Expansion of greenhouse horticulture in Spain leads to compromise with conservation. *Science for Environment Policy*. European Commission's Directorate-General.
5. **Quintas-Soriano, C.**, Castro, Antonio J., Castro, H., García-Llorente, M. 2016. Impacts of land use change on ecosystem services and implications for human well-being in Spanish drylands. *Land Use Policy* 54:534–548
4. García-Llorente, M., Castro, A.J., **Quintas-Soriano, C.**, Montes, C., Martín-López, B. 2016. The value of time in biological conservation and supplied ecosystem services: A willingness to give up time exercise. *Journal of Arid Environments* 124:13-21
3. **Quintas-Soriano, C.**, Martín-López, B., Santos-Martín, F., Benayas, J., Montes, C., García-Llorente, M. 2016. Ecosystem services values in Spain: A meta-analysis. *Environmental Science and Policy* 55:186-195
2. **Quintas-Soriano, C.**, Castro, A.J., García-Llorente, M., Cabello, J., Castro, H. 2014. From supply to social demand: a landscape-scale analysis of the water regulation service. *Landscape Ecology* 29:1069-1082
1. García-Nieto, A.P., **Quintas-Soriano, C.**, García-Llorente, M., Palomo, I., Montes, C., Martín-López, B. 2014. Collaborative mapping of ecosystem services: the role of stakeholders' profiles. *Ecosystem Services* 13:141–152

## ARTICLES SUBMITTED OR IN PREPARATION:

1. **Quintas-Soriano, C.**, García-Llorente, M., Castro, A.J. Supply and Demand of Ecosystem Services across Spanish Drylands. Special Issue Issue “Ecosystem Services in dryland systems of the world”. Submitted to *Journal of Arid Environments (Special Issue in Ecosystem Services across worldwide drylands)*
2. Castro, A.J., Egoh, B., **Quintas-Soriano, C.** Introduction chapter for Special Issue Issue “Ecosystem Services in dryland systems of the world”. Submitted to *Journal of Arid Environments (Special Issue in Ecosystem Services across worldwide drylands)*
3. Castro, A.J., Egoh, B., **Quintas-Soriano, C.** Conclusion chapter for Special Issue “Ecosystem Services in dryland systems of the world”. Submitted to *Journal of Arid Environments (Special Issue in Ecosystem Services across worldwide drylands)*
4. Rodríguez-Caballero, E., Chamizo, S., Castro, A.J., **Quintas-Soriano, C.**, García-Llorente, M., Cantón, Y., Weber, B. Ecosystem services provided by biocrusts: The missing gap in dryland management. Special Issue Issue “Ecosystem Services in dryland systems of the world”. Submitted to *Journal of Arid Environments (Special Issue in Ecosystem Services across worldwide drylands)*
5. **Quintas-Soriano, C.**, García-Llorente, M., Meacham, M., Norström, A.V., Peterson, G.D, Castro, A.J. Integrating biophysical and social perspectives in ecosystem service bundles: the case study of Spanish drylands. *Ecosystem Services*
6. García-Llorente, M., López, I., Iniesta-Arandia, I., Castro, A.J., García del Álamo, D., Hernández, M., **Quintas-Soriano, C.**, Oteros, E., Casado, I., Palomo, I., Martín-López, B., Gómez, E., González, J.A., Montes, C., Palacios, I., Onaindia, M. Ecosystem services demand across Spanish ecosystems. *PLOS One*

## BOOKS & BOOK CHAPTERS

1. Santos-Martín, F., García-Llorente M., **Quintas-Soriano, C.**, Zorrilla-Miras, P., Martín-López, B., Loureiro, M., Benayas, J., Montes, M. 2016. Spanish National Ecosystem Assessment: Socio-economic valuation of ecosystem services in Spain. Synthesis of the key findings. Biodiversity Foundation of the Spanish Ministry of Agriculture, Food and Environment. Madrid, Spain xx pp. ISBN: 978-84-608-8776-8
2. Castro, A.J., García-Llorente, M., **Quintas-Soriano, C.** 2015. Cambio Climático. En: Cabello J., Salinas M. J., Torres M. T., Castro. H. (Eds.), Global change monitoring handbook: a proposal for arid and semiarid environments, 95-99 pp. Fundación Patrimonio Natural, Biodiversidad y Cambio Global. Almería, ISBN: 978-84-606-6228-0
3. García-Llorente, M., **Quintas-Soriano, C.**, Zorrilla-Miras, P., Loureiro, M., Montes, C., Benayas, J., Santos-Martín, F. 2016. Socio-economic valuation of ecosystem services in Spain, In: Ecosystem services: concepts, methodologies and instruments for research and applied use. Sergi Nuss-Girona, Mita Castañer (eds.). Girona: Documenta Universitaria, 2015. Quaderns de medi ambient; 6. ISBN 978-84-9984-308-7

## OTHER PUBLICATIONS (IN SPANISH)

Castro, A.J., **Quintas-Soriano, C.**, García-Llorente, M., Cabello. J., Castro, H. 2013. Avanzando sobre el cómo, el dónde y el por qué de los problemas del agua en ambientes semiáridos: los servicios de los ecosistemas como aproximación. Revista Eubacteria, ISSN-16-97-0071

## INTERNATIONAL EXPERIENCE

Stockholm Resilience Center (SRC), Stockholm University, Sweden. August-November 2015 (three months). In collaboration with Dr. Garry Peterson. Research stay funded by the University of Almería (3,000€)

## TEACHING EXPERIENCE

### Courses

- Land Use and Ecosystem Services. Invited lecturer for a graduate course focusing on the role of ecosystem services in linking ecological and socioeconomic systems. Boise State University, US. February 14, 2017.

### Invited Seminars/Guest lectures for upper level

- Ecosystem Service Science? Linking Ecological, Social and Economic Sciences. Seminar for graduate level at the Human-Environment Systems (HES) Department, College of Innovation and Design, Boise State University. Responsible Jodi Brandt (BSU). November 29, 2016 (15 students).
- Understanding synergies and trade-offs between flows of ecosystem services under different land-uses in Spanish arid ecosystems. Seminar for graduate level at the Stockholm Resilience Center, Sweden, September 7, 2015.

- Ecology of Aquatic Ecosystems in Arid Lands. Guest lecture for a graduate course (10 hours) focusing on Water and Environment in semi-arid ecosystems. University of Almeria, Spain. 2012 (15 students).
- Ecosystem Service Assessment in Arid and Semi-Arid Ecosystems. Graduate workshop at the Andalusian Center for the Assessment and Monitoring of Global Change, University of Almería, Spain. October 9, 2012 (30 participants).

## PRESENTATIONS (ORAL AND POSTER)

12. **Quintas-Soriano, C.**, García-Llorente, M., Meacham, M., Norström, A., Peterson, G., Castro, A.J. Integrating the biophysical and social perspective in ecosystem service bundles. S4 Ecosystem service trade-offs and synergies: patterns across case-studies. European Ecosystem Services Conference. 19-23 September 2016. [Oral Presentation](#)
11. **Quintas-Soriano, C.**, García-Llorente, M., Meacham, M., Norström, A.V., Peterson, G.D, Castro, A.J. Integrating biophysical and social perspectives in ecosystem service bundles: the case study of Spanish drylands. Natural Capital Symposium. 21-24 March 2016, Stanford University. [Poster Presentation](#)
10. **Quintas-Soriano, C.**, García-Llorente, M., Castro A.J. Caracterización y evaluación de los servicios suministrados por ecosistemas semiáridos del sureste Ibérico. I Jornadas Doctorales CEI CamBio, Ciudad del Saber (Ciudad de Panamá). 14-18 July 2015. Panama. [Oral Presentation](#)
9. Rodríguez-Caballero, E., Chamizo, S., Castro, A.J., **Quintas-Soriano, C.**, García-Llorente, M., Cantón, Y., Weber, B. The effects biocrusts on ecosystem services and their importance for dryland management. EEF Conference 2015. 21-25 September 2015. Roma. [Oral Presentation](#)
8. **Quintas-Soriano, C.**, García-Llorente, M., Castro A.J. Social perceptions about land use-land cover in Semi-arid Spanish environment. III Mini-Simposio de Investigación en Ciencias Experimentales. Universidad of Almería, Spain. 14 November 2014. [Oral Presentation](#)
7. **Quintas-Soriano, C.**, García-Llorente, M., Castro A.J. Social perceptions about land use-land cover in Semi-arid Spanish environment. III Mini-Simposio de Investigación en Ciencias Experimentales. Universidad of Almería, Spain. 14 November 2014. [Poster Presentation](#)
6. **Quintas-Soriano, C.**, García-Llorente, M., Castro A.J. How are perceived the impact of land use-land cover on ecosystem services in semi-arid regions? NGR BESS Conference 2014. September 8-9 2014 at University of Southampton. [Oral Presentation](#)
5. García-Llorente, M., López, I., Iniasta-Arandia, I., Castro, A.J., García del Amo, D., Hernández, M., **Quintas-Soriano, C.**, Oteros, E., Casado, I., Palomo, I., Martín-López, B., Gómez, E., González, J.A., Montes, C., Palacios, I., Onaindia, M. Ecosystem services social demand across Spanish ecosystems. NGR BESS Conference 2014. September 8-9 2014 at University of Southampton. [Oral Presentation](#)
4. García-Llorente, M., Castro, A.J., **Quintas-Soriano, C.**, López, I., Castro, H., Montes, C., Martín-López, B. The value of time in conservation: the importance of time-sharing activities on local empowerment. Resilience 2014: Adaptation, Transformation & Development. Montpellier, France, May 4-8 2014. [Oral Presentation](#)
3. **Quintas-Soriano, C.**, Castro A.J., García-Llorente, M., Cabello, J., Castro, H. Water regulation service from supply to social demand in semiarid systems. II Mini-Simposio de Investigación en Ciencias Experimentales. Universidad of Almería, Spain. 15 November 2013. [Poster Presentation](#)

2. **Quintas-Soriano, C.**, García-Llorente, M., Martín-López, B., Santos-Martín, F., Montes, C. The social dimension of the Spanish National Ecosystem Assessment: an overview of the economic valuation research Europe. Europe's biodiversity research network. A Long-Term Biodiversity, Ecosystem and Awareness Research Network. Ghent, Belgium, 15-18 April 2013 Poster Presentation.
1. Castro, A.J., **Quintas-Soriano, C.**, García-Llorente, M. Taller de Expertos del Proyecto Glocharid: Valoración de los Servicios de los Ecosistemas en sistemas áridos y semiáridos. October 2012. University of Almería, Spain Oral presentation

## RESEARCH PROJECTS

- 2014 – 2016. Ecosystem services assessment in semi-arid ecosystems of the Southeastern Iberian Peninsula (GLOCHARID), Andalusian Center for the Assessment and Monitoring of Global Change (CAESCG). PI: Hermelindo Castro Nogueira
- December 2013-April 2014. Economic assessment of ecosystem services supply by Spanish ecosystems (EMEC, phase II). Fundación Biodiversidad. Autonomous university of Madrid. PI: Carlos Montes and Javier Benayas
- December 2012 - July 2013. Economic assessment of ecosystem services supply by Spanish ecosystems (EMEC, phase I). Fundación Biodiversidad. Autonomous University of Madrid. PI: Carlos Montes and Javier Benayas

## PROFESIONAL MEMBERSHIP

- Ecosystem Services Partnership (2015- present)

## PROFESSIONAL SERVICE

- Guest Editor for a Special Issue “Ecosystem Services in dryland systems of the world” at Journal of Arid Environments 2016
- Co-chair of the biome Dryland at Ecosystem Services Partnership -[ESP Biome Expert Group 4 on Drylands](#)– (2015- present)
- Reviewed manuscripts for indexed journals (6 total): *Land Use Policy* (1), *Ecological Economics* (1), *Ecosystem Services* (2), *Sustainability* (1), *Environment, Development and Sustainability* (1)

## KEY SKILLS

Personal skills: Group – working, communication skills, data collection, problem solving and planning.

Languages: Spanish: native | English (Good verbal and written skills).

IT: User knowledge of: Office (Word, Excel, Power Point, Access); ArcGIS 10, Idrisi, QGIS (geographical information systems, GIS); Statistics programs (XLSTAT, R).