

Curriculum vitae

PERSONAL INFORMATION

Delgado-Serrano, María Mar

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SHORT BIO

I am a Full Professor at the Higher School of Agriculture and Forestry Engineering (ETSIAM) at the University of Cordoba, Spain, specialising in sustainability sciences. With a Ph.D. focused on European policies for rural areas, my research delves into the intricate relationships between social and natural systems for sustainable development, emphasising the social and human dimensions of environmental challenges. My work encompasses governance, perception, resilience, commons, and community-based management, and I possess extensive professional experience across Europe and Latin America.

I have extensive experience in European projects, both as a Project Coordinator and a dedicated researcher and evaluator. I coordinate 2 Horizon 2020 projects and coordinated an FP7 one. My involvement extends beyond project coordination, as I have also evaluated numerous calls within the European project landscape. In my role as the Delegate of the Rector for International Projection at the University of Cordoba, I have undertaken the crucial responsibility of spearheading efforts to attract international research funds to our institution. This diverse experience underscores my comprehensive understanding of the intricacies of European initiatives and my commitment to advancing research and sustainability.

I also have actively contributed to significant global initiatives related to agriculture and rural development. More recently, I expanded my research focus to encompass sustainability in urban settings. My role as a member of the High-Level Expert Group on Innovating Cities for the European Commission underscores my commitment to urban sustainability. Additionally, I played a pivotal role in crafting the report titled "*The Human-Centred City: Opportunities for citizens through research and innovation.*"

The following awards recognize my significant contributions to research and my commitment to environmental and gender-related topics: **Member of the Spanish Order of Civil Merit**, awarded by His Majesty the King of Spain (2021); **ANSEMAC Award to Women Researchers in Environmental Topics** (2021); **Fellow of the Year in Cordoba** (2022); **Andalusia Women Moves Forward Award** (2022).

WORK EXPERIENCE

- | | |
|-----------------------|---|
| 30/01/2021–Present | Full Professor
Universidad de Córdoba (Spain). Department of Agricultural Economics
Teaching, research and knowledge transfer in Sustainability and Sustainable Development, Resilience, Governance, Rural Development, Rural-Urban Relations |
| 14/07/2018–10/07/2022 | Delegate of the Rector for International Projection
Universidad de Córdoba (Spain)
Responsible for international projects, funding and projection. 18M€ of international funds attracted at UCO during this period (225% more than 2014-2017 period) |
| 22/01/2010-29/01/2021 | Associate Professor
Universidad de Córdoba (Spain). Department of Agricultural Economics
Teaching, research and knowledge transfer in Rural Development and Economic Policy |
| 01/09/2016 –Present | Director of Erasmus Mundus International Master in Rural Development
Universidad de Córdoba (Spain)
Director at the Universidad de Córdoba. Master coordinated by the University of Ghent |
| 19/06/2010–28/04/2014 | Director of the Postgraduate Studies Unit
Universidad de Córdoba (Spain)
Responsible for all the MSc and PhD programs and MSc and PhD students |
| 13/12/2001–22/01/2010 | Assistant Professor
Universidad de Córdoba (Spain). Department of Agricultural Economics
Teaching, research and knowledge transfer in Rural Development and Economic Policy |

EDUCATION AND TRAINING

01/09/1998–17/12/2001	PhD Universidad de Córdoba (Spain) Research and writing of PhD thesis: European Rural Policy
01/09/1985–01/10/1991	Agriculture Engineer Universidad de Córdoba (Spain)
01/09/1992–01/07/1993	Postgraduate Studies in Planning and Business Administration Universidad Complutense Madrid (Spain)

PERSONAL SKILLS

Mother tongue(s) Spanish

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
French	B2	C1	B2	B2	B2

ADDITIONAL INFORMATION

Expert Groups and Committees Expert Group for the Andalusia Strategy for Demographic Challenge. 2023
ENRD Thematic Group on the Long-Term Rural Vision. 2021
High-Level Expert Group on Innovative Cities. European Commission. 2018-2019
Social-Ecological Systems Working Group. FAO. 2018-Present
Spanish Observatory of the Bioeconomy (Member of the Managing Board). 2017-Present
Expert group to evaluate FP7 projects with a focus on Sustainable Urban Development. European Commission. 2017
Member of the Scientific Committee of the Master online on Food Security. UDUAL, IICA, FAO and Universidad Nacional a distancia de México. 2014-2015
Coordinator of the PhD Program in Agrifood. Universidad de Córdoba, Benemérita Universidad Autónoma de Puebla (México) and Iberoamerican University Association for Postgraduate Studies. 2012-2019
International Assessment of Agricultural Science and Technology for Development. World Bank and United Nations. 2005-2008
Working group Whitepaper for Agriculture and Rural Development. Spanish Ministry of Agriculture. 2002-2005
Education Policies for Rural Development. UNESCO and FAO. 2001-200

Recent Research Projects

Project Coordinator

MOVING. Mountain Valorization through Interconnectedness and Green Growth. H2020-RUR-2019-2-862739. 2020-2024. 6 M€ <https://www.moving-h2020.eu>

IN-HABIT. Inclusive Health and Wellbeing in Small and Medium Size Cities. H2020-SC5-2019-2- 869227. 2020-2025. 11,3 M€ <https://www.inhabit-h2020.eu>

COMET – LA. COmmunity-based Management of EnvironmenTAl challenges in Latin America. FP7- 282845-COMET-LA. 2012-2015. 2M€

Principal Investigator at UCO

CODECS. Maximising the CO-benefits of agricultural Digitalisation through conducive digital ECoSystems. HORIZON-CL6-2021-GOVERNANCE-01-101060179. 2022-2025. Local coordinator at UCO. <https://www.horizoncodecs.eu>

DESIRA. Digitisation: Economic and Social Impact in Rural Areas. H2020-RUR-2018-2-818194. 2019-2022. Local coordinator at UCO. <https://desira2020.eu>

CLIMA-AGRI. Climate Change Perception of Andalusian Farmers. 2020-2022. Principal investigator

SULANET. Sustainable Land Management. 564651-EPP-1-2015-1-SK-EPPJMO-NETWORK. European Commission. 2015-2018. Local coordinator at UCO

Researcher

SuWaNu Europe-Network for effective knowledge transfer on safe and economic wastewater reuse in agriculture in Europe. H2020-RUR-2018-1-818088. 2019-2021. Researcher

SYWAG System of Water Accounting in the Guadalquivir River Basin. European Commission. 2014-2015. Researcher

AGUA-ICAD Analysis of Public Policies for water management in Agriculture: Climate Change and Water Framework Directive. National Plan of R&D. 2010-2012. Researcher

Recent Scientific Publications

Delgado-Serrano, M. M., Melichová, K., Mac Fadden, I., & Cruz-Piedrahita, C. (2024). Perception of green spaces' role in enhancing mental health and mental well-being in small and medium-sized cities. *Land Use Policy*, 139, 107087.

<https://doi.org/https://doi.org/10.1016/j.landusepol.2024.107087>

Cruz-Piedrahita, C., Martínez-Carranza, F.-J., & **Delgado-Serrano, M. M.** (2024). A Multidimensional Approach to Understanding Food Deserts in Vulnerable Contexts. *Sustainability*, 16(3), 1136.

Mac Fadden, I., Cocchioni, R., & **Delgado-Serrano, M. M.** (2024). A Co-Created Assessment Framework to Measure Inclusive Health and Wellbeing in a Vulnerable Context in the South of Europe. *International Journal of Environmental Research and Public Health*, 21(4), 510.

<https://www.mdpi.com/1660-4601/21/4/510>

Moretti, M., Belliggiano, A., Grando, S., Felici, F., Scotti, I., Ievoli, C., Blackstock, K., **Delgado-Serrano, M. M.**, & Brunori, G. (2023) Characterizing value chains' contribution to resilient and sustainable development in European mountain areas. *Journal of Rural Studies*, 100, 103022.

<https://doi.org/https://doi.org/10.1016/j.jrurstud.2023.103022>

Delgado Serrano, M.M. (2022) Hacia una digitalización inclusiva de las áreas rurales (*Towards an inclusive digitalisation of rural areas*). In Estrada, E.M. (ed.), *La España rural: retos y oportunidades de futuro*. Cajamar Caja Rural, pp 385-400.

Delgado-Serrano, M.M., Rodríguez-Entrena, M., Castillo, M. and Brígido García, C.M. (2022). Percepción del cambio climático en el sector agrario andaluz (*Climate change perception in the Andalusia farming sector*). Universidad de Córdoba.

Delgado-Serrano, M.M., Zafra, A. and Sousa M. (2020) The roots of the city. Creative food systems in European small towns. *Redes* 25(1): 255-267

Delgado-Serrano, M.M. and Borrego-Marín, M.M. (2020). Drivers of innovation in groundwater governance. The links between the social and the ecological systems. *Land Use Policy*. 91:104368 DOI: [10.1016/j.landusepol.2019.104368](https://doi.org/10.1016/j.landusepol.2019.104368)

Freshley, D. and **Delgado-Serrano, M.M.** (2020) Learning from the past in the transition to open-pollinated varieties, *Sustainability* 12(11):4716 DOI: [10.1016/10.3390/su12114716](https://doi.org/10.1016/10.3390/su12114716)

Navarro-Cerrillo, R., Esteves-Vieira D., Ochoa-Gaona S., de Jong, B. and **Delgado-Serrano M.M.** (2019) **Land cover changes and fragmentation in mountain neotropical ecosystems of Oaxaca (Mexico) under community forest management.** *Journal of Forestry Research* 30(1):143-155. DOI:/10.1007/s11676-017-0568-3.

Delgado-Serrano, M.M. and Escalante R. (2018) Gender and Cross-Scale Differences in the Perception of Social-Ecological Systems. *Sustainability* 10(9):2983. DOI: 10.3390/su1009298.

Ambrosio-Albalá, P. and **Delgado-Serrano, M.M.** (2018) Understanding Climate Change Perception in Community-Based Management Contexts: Perspectives of Two Indigenous Communities. *Weather, Climate, and Society* 10(3):471-485. DOI: 10.1175/WCAS-D-17-0049.1.

Delgado-Serrano M.M., Oteros-Rozas E., Calvo-Boyero, D., Ortíz Guerrero, C., Escalante, R. and Corbera, E. (2018) Social-ecological resilience in community-based natural resource management in Latin America. *Regional Environmental Change* 18:581–592. DOI: 10.1007/s10113-017-1223-4.

Delgado-Serrano M.M. (2017). Trade-offs between conservation and development in community-based management initiatives. *International Journal of the Commons* 11(2): 969–991. DOI: 10.18352/ijc.792.

Delgado-Serrano, M.M., Ramos, P. and Lasso Zapata, E. (2017). Using Ostrom's DPs as fuzzy sets to analyse how water policies challenge community-based water governance in Colombia. *Water* 9(7):535. DOI: [10.3390/w9070535](https://doi.org/10.3390/w9070535).

Delgado-Serrano M.M., Mistry, J., Matzdorf, B. and Leclerc, G. (2017). Community-based management of environmental challenges in Latin America and the Caribbean, *Ecology and Society* 22(1):4. <https://doi.org/10.5751/ES-08924-210449>.

Gari, S., Newton, A., Icely, J. and **Delgado-Serrano, M.M.** (2017). An Analysis of the Global Applicability of Ostrom's Design Principles to Diagnose the Functionality of Common-Pool Resource Institutions. *Sustainability* 9(7):1287. DOI: [10.3390/su9071287](https://doi.org/10.3390/su9071287)

Delgado-Serrano M.M., Vanwildemeersch P., London, S., Ortíz Guerrero, C., Escalante, R. and Rojas, M. (2016). Adapting prospective structural analysis to strengthen sustainable management and capacity building in community-based natural resource management contexts. *Ecology and Society* 21(2):36. <http://dx.doi.org/10.5751/ES-08505-210236>

Delgado-Serrano M.M., Oteros-Rozas E., P., Ortíz Guerrero, C., London, S. and Escalante, R. (2015) Local perceptions on social-ecological dynamics in Latin America in three community-based natural resource management systems. *Ecology and Society* 20(4):24. <http://dx.doi.org/10.5751/ES-07965-200424>

Delgado-Serrano M.M. and Ramos, P. (2015) Making applicable the Ostrom framework to analyse Socio-ecological systems at the local level. *International Journal of the Commons* 9(2):808-830. <http://doi.org/10.18352/ijc.567>

Delgado-Serrano M.M., Amador, P. and Ambrosio-Albala, M. (2015) Exploring Prospective Structural Analysis to assess the relevance of Rural Territorial Development in Spain and Nicaragua. *Cuadernos de Desarrollo Rural* 12(76):35-56. 10.11144/Javeriana.cdr12-76.epsa

Sepúlveda, I., Molina, R. **Delgado-Serrano M.M.** and Guerrero J.E. (2015). Aguas, riego y cultivos: cambios y permanencias en los ayllus de San Pedro de Atacama (Water, irrigation and crops: What change and what not at the ayllus of San Pedro de Atacama). *Estudios Atacameños. Arqueología y antropología surandinas*, 51, 185-206. <http://dx.doi.org/10.4067/S0718-10432015000200012>

Delgado-Serrano M.M., Escalante R. and Basurto, S. (2015) Is the Community-Based Management of Natural Resources inherently linked to Resilience? An analysis of Santiago de Comaltepec community (Mexico). *Journal of Depopulation and Rural Development Studies*, 18:91-114. Special Issue on Community resilience, social capital and territorial governance. [10.4422/ager.2015.07](https://doi.org/10.4422/ager.2015.07)

Rentería, C. and **Delgado-Serrano M.M.** (2014). Social Capital Formation In Mexican Ejidos. Land Decisions after the Article 27 Constitutional Reform. *Revista Internacional de Sociología* 72(1):9-33 [10.3989/ris.2011.09.01](https://doi.org/10.3989/ris.2011.09.01)

Guerrero, J.E., **Delgado-Serrano, M.M.**, Gañan, C., Guzmán, J.R. and Rueda, S. (2012). El Libro Verde de sostenibilidad urbana y local en el ámbito rural y urbano (Rural and Urban Areas in the Green Paper on Urban and Local Sustainability). In *Libro Verde de sostenibilidad urbana y local en la era de la información (Green Paper on Urban and Local Sustainability in the information era)*, pp. 595-645. Ministerio de Agricultura, Alimentación y Medio Ambiente. Madrid.

PhD thesis supervised

Agua y acceso a medios de vida en un sistema agro-ecológico indígena: Adaptaciones frente a influencias externas en el desierto de Atacama (Chile). Isabel del Carmen Sepúlveda Rivera. Universidad de Córdoba. 2016. SOBRESALIENTE

Social-Environmental Conflict and Institutional Change in Water and Biodiversity Management: Linking Social and Ecological Systems in Afro-Colombian Common Property Lands. Pablo Ramos. 2015. SUMMA CUM LAUDE. Thesis in co-tutelle University of Erfurt (Germany) and Universidad de Córdoba.

Climate change perceptions in community-based management contexts. Cultural settings and environmental attitudes. Pepa Ambrosio Albalá. Universidad de Córdoba. 2015. SOBRESALIENTE. Thesis with international doctorate award.

Frameworks for the sustainable management of Catchment-Coast Social-Ecological Systems. Sirak Robele Gari. 2015. Universidad de Cádiz. 2015. SOBRESALIENTE CUM LAUDE. Thesis in the framework of the Erasmus Mundus in Marine and Coastal Management Doctorate.

Análisis histórico, social y político de los procesos de implementación de las políticas fundiarias en México. El caso de la Antigua, Veracruz. Cristina Rentería Garita. Universidad de Córdoba. 2014. SOBRESALIENTE CUM LAUDE. Thesis with doctor europeus award.