

# Curriculum Vitae (11/2021)

Violeta Cabello Villarejo

Basque Center for Climate Change. Science Collab research group

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Wikitoki Lab for Collaborative Practices

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## RESEARCHER INFO

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H-Index: 9 (Google Scholar), 8 (Scopus)

## SHORT BIO

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Violeta Cabello is a multidisciplinary environmental scientist with a special focus on co-production of knowledge on complex social-ecological problems. She is particularly interested in the combination of quantitative, qualitative and participatory methods blending knowledge from different academic and non-academic disciplines. She obtained natural sciences training through her first MSc on Applied Ecology from the University of Halmstad (Sweden) and second MSc on Environmental Hydrology from the University of Granada (Spain), for which she obtained a postgraduate scholarship from La Caixa Foundation. She holds a PhD on Human Geography entitled "An integrated assessment of water governance in social-ecological systems" with distinction cum laude and outstanding doctorate award (premio extraordinario) from the University of Seville in Spain, developed with a grant from the Spanish Ministry of Education. She was twice visiting researcher at the iGLOBES - Interdisciplinary and Global Environmental Studies Center (University of Arizona, USA) and once at IHE - Institute for Water Education of UNESCO (The Netherlands). After completing her PhD, she joined the Institute for Environmental Science and Technology at the University of Barcelona to work as post-doctoral researcher within the H2020 project MAGIC-Moving towards Adaptive Governance In Complexity: Informing nexus security (GA 689669). In 2020, she was awarded with the Juan de la Cierva-Inc Grant from the Spanish Ministry of Science and joined the Basque Center for Climate Change in January 2021.

She has produced 13 indexed publications in peer-reviewed journals (Q1: 12 in SCImago & 8 in ISI WoK), 6 book chapters, 10 conference proceedings and 10 scientific reports, totaling 157 citations and an h-index of 8 according to Scopus (273 citations and an h-index of

9 according to Google Scholar). She holds an extensive network of over 80 collaborators and she has presented her work in 19 international conferences and 15 invited talks in conferences and seminars. She has organized over 26 scientific activities including conferences, seminars and workshops. Overall, she has been directly awarded with 7 different grants and actively participated in 7 research projects. She has produced several outreach materials such as policy briefs (2), press (2) and radio podcasts (2).

She has supervised 1 MSc thesis and holds project management and coordination experience in academic institutions and a consultancy agency. She is a member of the Wikitoki Lab for Collaborative Practices. She has three year training in facilitation and has designed and facilitated over 25 workshops and public engagement events.

## EDUCATION

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**2011-2016:** PhD in Geography (cum laude & outstanding award). 'An integrated assessment of water governance in social-ecological systems. Two case-studies: the Andarax basin in Almeria and the Tucson basin in Arizona'. University of Seville. Spain

**2008:** Msc. Environmental Hydrology (high distinction). Andalusia Center for the Environment. University of Granada. Spain

**2006:** Msc. Applied Ecology. Department of Environmental Sciences. Halmstad University. Sweden

**2007:** Bsc. (5 year program). Environmental Sciences. University of Malaga. Spain

## AWARDS & COMPETITIVE GRANTS

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**2020:** Juan de la Cierva-Inc Post-doctoral Fellowship. Spanish Ministry for Science and Innovation.

**2018:** Seal of Excellence to proposal DigitSEN 'Exploring the digital layer of social-ecological networks: Are ICT tools helping overcome collaborative barriers?' submitted to Marie Skłodowska-Curie actions call H2020-MSCA-IF-2017 of 14 September 2017. European Commission.

**2018:** Outstanding Doctorate Award for best Social Sciences PhD thesis 2015/2016. University of Seville. Spain

**2014:** Scholarship for visiting the UNESCO-Institute for Water Education, The Netherlands. Training program for University Professors (FPU). Spanish Ministry of Education.

**2013:** Scholarship for visiting the University of Arizona, USA. Training program for University Professors (FPU). Spanish Ministry of Education.

**Dec 2010 - Nov 2014:** PhD fellowship. Training program for University Professors (FPU). Spanish Ministry of Education.

**Oct 2008 - Nov 2009:** Postgraduate fellowship. La Caixa Foundation.

**2006:** Grants to undergraduate students collaboration with university departments (Becas-Colaboración). Spanish Ministry of Education.

**2005:** Erasmus program funding for visiting the University of Halmstad, Sweden.

## RESEARCH EXPERIENCE & EXPEDITIONS

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Jan 2021 – Dec 2023: Juan de la Cierva-Inc post-doctoral fellow at the Basque Center for Climate Change (Bilbao, Spain).

Jun 2020 – Jun 2021: Coordinator of Wikitoki Lab for Collaborative Practices (Bilbao, Spain).

May 2020 – Sep 2020: External expert at Joint Research Center of the European Commission (Ispra, Italy) to I develop online engagement activities and systematize lessons from the engagement processes of the [MAGIC](#) project.

Jun 2016 – May 2020: Post-doctoral researcher. Institute of Environmental Science and Technology. Autonomous University of Barcelona. H2020 project ‘Moving Towards Adaptive Governance in Complexity: Informing Nexus Security’ (MAGIC GA-689669).

Jan 2015 – Feb 2016: Predoctoral researcher. University of Seville. FP7 INCOLAB research project project ‘Sustainable Water Action’ (SWAN GA – 294947.).

Oct 2014 – Mar 2015: Visiting scholar. iGLOBES – Interdisciplinary and Global Environmental Studies Center. University of Arizona (Tucson, USA).

Feb – May 2014: Visiting scholar. Department of Water Resources Planning. UNESCO-Institute for Water Education (Delft, The Netherlands).

Mar – Jul 2013: Visiting scholar. iGLOBES – Interdisciplinary and Global Environmental Studies Center. University of Arizona (Tucson, USA).

Dec 2010- May 11: Visiting student. Institute of Environmental Sciences and Technology. University of Barcelona (Spain).

Dec 2010 – Dec 2014: PhD student. Training Program for University Professors (FPU). Spanish Ministry of Education.

Jan 2009 – Aug 2010: Project manager at BIOAZUL S. L. Manager of ‘Biotechnological recycling of olive mill rinse water by micro-algae (ALGATEC)’ research for SMEs VII EU Framework Program.

March - April 2006: Visiting student at the International Center for Ecological Engineering at Kalyani University (West Bengal, India).

Aug 2005 - Jun 2006: Erasmus Msc student at Halmstad University (Sweden).

## PUBLICATIONS

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### *Peer-reviewed indexed journals*

Di Felice, L. J., **V. Cabello**, M. Ripa, C. Madrid-Lopez. 2021. Quantitative Storytelling: Science, Narratives, and Uncertainty in Nexus Innovations. *Science, Technology, & Human Values*, nov, 01622439211053819. <https://doi.org/10.1177/01622439211053819>

**V. Cabello**, D. Romero, A. Musicki, Â. Guimarães, B. Peñate. 2021. Co-creating narratives for WEF nexus governance: a Quantitative Story-Telling case study in the Canary Islands. *Sustainability Science*. 16, pp 1363–1374. <https://doi.org/10.1007/s11625-021-00933-y>

**Cabello, V.**, Renner, A., Giampietro, M. 2019. Relational analyses of the nexus in arid land crop production. *Advances in Water Resources*. 130, 258-269. <https://doi.org/10.1016/j.advwatres.2019.06.014>

Serrano-Tovar, T., Peñate, B., de la Fuente, J. **Cabello, V.**, Giampietro, M. 2019. Structuring an Integrated Water-Energy-Food Nexus Assessment of a Local Wind Energy Desalination

System for Irrigation. *Science of the Total Environment*. 689, 945-957. <https://doi.org/10.1016/j.scitotenv.2019.06.422>

**Cabello, V.** Kovacic, Z., Van Cauwenbergh N. 2018. Unraveling narratives of water management: reflections on the first cycle of implementation of the Water Framework Directive in Southern Spain. *Environmental Science and Policy*. 85, 19-27. <https://doi.org/10.1016/j.envsci.2018.03.019>

Flores Baquero O., **Cabello V.**, Lara García A., Hernández-Mora N., del Moral, L. El debate sobre el Derecho Humano al Agua en España: la experiencia del Pacto Social por el Agua Pública. 2018. In: *The struggle for democracy in Spain: grassroots initiatives to defend essential water services as a common good*. WATERLAT-GOBACIT Network Special Issue 5(1):68-88. DOI: 10.5072/zenodo.212688

Pedregal B., **Cabello V.**, Hernandez-Mora N., Limones N. and del Moral, L. 2015. Information and knowledge for water governance in the networked society. *Water Alternatives* 8(2):1-19

Hernandez-Mora N., **Cabello V.**, di Stefano, L. and del Moral, L. 2015. Networked water citizen organizations in Spain: Potential for transformation of existing power structures for water management. *Water Alternatives* 8(2): 99-124

**Cabello, V.**, Willaarts, B., Aguilar, M., and del Moral, L. 2015. River basins as social-ecological systems: Linking levels of societal and ecosystem metabolism of water in a semiarid watershed. *Ecology and Society* 20(3):20. <http://dx.doi.org/10.5751/ES-07778-200320>

**Cabello Villarejo, V.**, Madrid Lopez, C. 2014. Water use in arid rural systems and the integration of water and agricultural policies in Europe: the case of Andarax river basin. *Environment, Development and Sustainability* 16(4):957-975. 10.1007/s10668-014-9535-8

Ravera F., Gamboa G., Scheidel A., Dell'Angelo J., Serrano T., Mingorría S., **Cabello V.**, Ariza P., Arizpe N. 2014. Pathways of rural change: An integrated assessment of the metabolic patterns of emerging ruralities. *Environment, Development and Sustainability* 16(4):1-10. 10.1007/s10668-014-9534-9

Madrid C., **Cabello V.**, Giampietro M. 2013. Water-Use Sustainability in Socio-Ecological Systems: A Multiscale Integrated Approach. *BioScience*. 63(1):14-24. 10.1525/bio.2013.63.1.6

Sova Patra Das T., Avila, C., **Cabello V.**, Castillo F., Sarkar D. Lahiri S., Jana B. 2012. Cadmium tolerance and antibiotic resistance in *Escherichia coli* isolated from waste stabilization ponds. *Indian journal of experimental biology* 50(4):300-7

### *Book chapters*

Romero Manrique, D., **Cabello V.**, and Guimarães Pereira, A. 2020. Alternative water sources as conflict solver in nexus governance. In *The MAGIC Consortium: The Nexus Times*. Bergen: Megaloceros Press, Issue XI: Governing the nexus. May 2020. pp. 135-136.

**Cabello, V.**, Renner, A. 2020. Coupled monitoring of water and agricultural policies: The challenge of indicators. In *The MAGIC Consortium: The Nexus Times*. Bergen: Megaloceros Press, Issue X: Water-Agriculture Nexus. Sep 2019. pp. 102-104.

Ripa, M., **Cabello V.** 2020. Water for energy: quantifying the massive amounts of water that go unaccounted for. In *The MAGIC Consortium: The Nexus Times*. Bergen: Megaloceros Press, Issue VII: Water-Energy Nexus. Dec 2018. pp. 61-65.

**Cabello V.**, Serrano T. 2020. What if healthy diets had a hidden cost? In *The MAGIC Consortium: The Nexus Times*. Bergen: Megaloceros Press, Issue IV: Outsourcing. March 2018. pp. 36-37.

**Cabello V.**, Hernandez-Mora N., Serrat-Capdevila A., del Moral L. and Curley, E. 2017. Implications of spatially neutral groundwater management. In Poupeau F., Gupta H., Serrat-Capdevila A., Sans-Fuentes M., Harris S. and Hayde L. (Eds) *Water Bankruptcy in the land of plenty. Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, pp. 291-310

Serrat-Capdevila A., **Cabello V.**, Boyanova, K., Poupeau, F., Hernandez-Mora N., Gupta, H., Yang Z., Segura S., Benites E., Yavena R., Coeurdary M. Cortinas J, Khun K., Harris S., Sans M., Curley E., del Moral L., Valdes J., Schneier G., King O., Rodrigues D., Salmoral G. 2017. Bringing all the stories together: Beyond the Tucson case study. In Poupeau F., Gupta H., Serrat-Capdevila A., Sans-Fuentes M., Harris S. and Hayde L. (Eds) *Water Bankruptcy in the land of plenty. Steps towards a transatlantic and transdisciplinary assessment of water scarcity in Southern Arizona*, pp. 401-415.

#### *Peer-reviewed conference proceedings*

Matthews, K.B. , Blackstock, K.L., Waylen, K.A., Juarez-Bourke, A., Rivington, M., Miller, D.G., Wardell-Johnson, D., **Cabello, V.**, Kovacic, Z., Renner, A.F., Ripa, M., Giampietro, M. 2019. Using deliberative societal metabolism analysis to analyse CAP's delivery of EU sustainability and climate change objectives. 172nd EAAE Seminar, May 28-29, 2019, Brussels, Belgium.

Laconi, C., Figueroa, A., Pedregal, B., **Cabello, V.**, Mancilla, M. del Moral, L. 2019. "La presencia del paisaje en el Mapa digital colaborativo de los conflictos del agua en Andalucía", en 22 reunión del Taller del Consejo de Europa para la implementación del Convenio del Paisaje del Consejo de Europa y Congreso Internacional "Agua, paisaje y ciudadanía ante el Cambio Global", 14,15 y 16 de marzo, 2019. <http://tallerycongreso>.

**Cabello V.**, Kovacic, Z., Völker, T., Guimaraes Pereira, A., Krol, M. Matthews, K., Blackstock, K. 2018. ¿Qué historias cuentan sobre la Directiva Marco del Agua? X Iberian Iberian Congress of Water Management and Planning. 6-8 September, Coimbra, Portugal.

Pedregal, B., Laconi, C., Figueroa, A. **Cabello, V.**, Mancilla, M., del Moral, L. 2018. Mapa digital colaborativo de la justicia ambiental en el agua. Planteamientos conceptuales y debates en las primeras etapas de su desarrollo operativo. X Iberian Iberian Congress of Water Management and Planning. 6-8 September, Coimbra, Portugal.

B. Pedregal, C. Laconi, M. Mancilla, G. Orozco, A. Figueroa, **V. Cabello**, J.R. Raposo, L. Del Moral. 2017. Collaborative mapping of water conflicts in Andalusia, Spain. OPEN SCIENCE CONFERENCE PECS II. OAXACA CITY MEXICO. DOI: 10.13140/RG.2.2.23659.03369

**Cabello V.** 2017. Quantitative Story Telling: Initial steps towards bridging perspectives and tools for a robust nexus assessment. EGU General Assembly Conference Abstracts. 19:16480. 23-28 April, Viena, Austria.

**Cabello Villarejo V.**, Flores Baquero O., Lara García A., del Moral Ituarte L., Paneque Salgado P., Vargas Molina J., de la Lastra Valdor I. 2016. ¿Qué firman cuando dicen Pacto Social por el Agua Pública? Implicaciones conceptuales para su seguimiento a su implantación. IX Iberian Iberian Congress of Water Management and Planning. 7-9 september, Valencia, Spain.

Hernández-Mora N., **Cabello V.**, De Stefano L., Del Moral L. 2016. Redes ciudadanas por una Nueva Cultural del Agua: Potencial de Transformación de las estructuras de poder ex-

istentes en la gestión del agua. IX Iberian Congress of Water Management and Planning. 7-9 September, Valencia, Spain

Del Moral Ituarte L., **Cabello Villarejo V.**, de la Lastra Valdor I., Flores Baquero O., Lara García A., Paneque Salgado P., Vargas Molina J. 2016. Megaproyectos y estrategias alternativas para el ciclo urbano del agua: el caso del sistema de abastecimiento de Sevilla (España). IX Iberian Congress of Water Management and Planning. 7-9 September, Valencia, Spain

Madrid López C., **V. Cabello**, Z. Kovacic. 2013. Analizando el metabolismo hídrico de los socio-ecosistemas: fundamentos teóricos y metodológicos. VIII Iberian Congress of Water Management and Planning. 5-7 December, Lisbon, Portugal.

#### *Book translations*

Benkler, Y. 2015. La riqueza de las redes. Icaria Editorial, Barcelona.

#### *Reports and project deliverables*

**Violeta Cabello**, Julia Martínez, Nuria Hernandez-Mora, Alba Ballester. 2021. Knowledge co-production in water governance. NEWAVE project Deliverable 7.1.

Guimarães Pereira A., Cabello V., Romero Manrique Lara D., Rosa P., Waylen K., Blackstock K. 2020. Lessons Learned in Interaction with Policy Actors and Institutions, MAGIC (H2020-GA 689669) Project Deliverable 2.2, 16 November 2020. Available at: <http://www.magic-nexus.eu/documents/deliverable-22-lessons-learned-interaction-policy-actors-and-institutions>

Guimarães Pereira, Â., Romero Manrique, D., **Cabello, V.**, Corral Quintana, S., Rosa, P. 2020. 'Lessons learned in operation of the Nexus dialogue platform', MAGIC (H2020-GA 689669) Project Deliverable 2.3, 12 November 2020. <http://www.magic-nexus.eu/documents/deliverable-23-lessons-learned-operation-nexus-dialogue-platform>

Guimarães Pereira, Â., **Cabello, V.**, De Felice, L., De Olde, E., Giampietro, M., Kok, A., Kroll, M., Madrid, C., Monterrey, A., Muscat, A., Musicki, A., Peñate, B., Ripa, M., Ripoll-Bosch, R., Romero, D. Sindt, J., Velasco, R. 2020. – Meetings of Innovation Teams – MAGIC (H2020-GA 689669) Project Milestone 11.

**Cabello-Villarejo V.**, Musicki Savic A., Romero Manrique, D., Monterrey Viña A., Guimarães Pereira Â., Peñate Suárez B. 2020. Solving water problems vs. creating new ones: the use of alternative water resources for irrigation. MAGIC (H2020-GA 689669) Project Deliverable 6.7, 27 February 2020. Available at: <https://magic-nexus.eu/documents/d67-alternative-water-sources-innovation>

Krol, M.S., **Cabello-Villarejo V.**, Cadillo-Benalcazar J., de Olde E., Di Felice L., Giampietro M., Muscat A., Renner A., Ripa M., Ripoll Bosch R., Serrano-Tovar T., and Verburg CCA. 2018. Report on exploratory applications of the MuSIASEM Toolbox in Quantitative Story Telling for anticipation. MAGIC (H2020-GA 689669), Project Deliverable 4.3. Available at: <http://www.magic-nexus.eu/documents/d43-report-exploratory-applications-musiasem-toolbox-quantitative-story-telling>

R. Ripoll Bosch, M. Giampietro, **V. Cabello**, J. Cadillo Benalcazar, I.J.M. de Boer, L. Di Felice, M.S. Krol, K. Matthews, D. Miller, A. Muscat, E. de Olde, A. Renner, M. Ripa, T. Serrano-Tovar, C.C.A. Verburg, D. Wardell-Johnson. 2018. Report on EU social-ecological systems. MAGIC (H2020-GA 689669) Project Deliverable 4.2. Available at: <https://www.magic-nexus.eu/documents/d42-report-eu-socio-ecological-systems>

**Cabello V.,** Kovacic Z., Giampietro M. 2017. Bridging biophysical, economic and ecological quantitative analysis across levels – the case of greenhouse vegetable production in Almería In: Ripa, M., Giampietro, M. (Eds) Report on Nexus Security using Quantitative Story-Telling. MAGIC (H2020-GA 689669) Project Deliverable 4.1. Available at: <http://magic-nexus.eu/documents/d41-report-nexus-security-using-quantitative-story-telling>

De Stefano, L., **Cabello, V.,** Hernandez-Mora, N. 2017. Datos abiertos en el sector del agua en España. Observatorio del Agua de la Fundación Botín.

**Cabello, V.** Principios, objetivos e instrumentos para la transparencia, la participación pública y la rendición de cuentas en la gestión urbana del agua. Ponencia para las jornadas sobre 'Remunicipalización y bases para la gestión del ciclo urbano del agua'. Barcelona, 21 de marzo de 2017.

## RESEARCH PROJECTS

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**Jun 2020 – May 2023:** ID2019-104576GB-I00. "Outonomy: fleshing out autonomy beyond the individual". Spanish Ministry of Science and Innovation., PI: Xabier Barandiaran & Leonardo Bich, Univeridad del País Vasco. Research associate.

**Nov 2019 – Oct 2023:** GA – 861509. 'Next Water Governance (NEWAVE)'. European Commission Marie Skłodowska Curie Innovative Training Network, H2020-MSCA-ITN-2019 call. PI: Jampel del Angelo & Dave Huitema, VU University Amsterdam. 4,039,273.44€. Research associate.

**Jun 2016- May 2020:** GA – 689669. 'Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC)'. H2020 program, H2020-Water2b-2015 call. PI: Mario Giampietro, ICREA Research Professor. 7,457,761.25€. Postdoctoral researcher.

**July 2017-Jun 2019:** PRY125/17. 'Collaborative Digital Atlas of Water Justice in Andalusia'. Center for Andalusian Studies. PI: Belen Pedregal, professor at University of Seville. 30,000€. External research collaborator.

**May 2012- Apr 2016:** GA – 294947. 'Sustainable Water Action (SWAN). Building research links between EU and USA', INCOLAB VII EU Framework Program, INCO.2011-7.6 call. PI: Frank Poupeau, head of iGlobes-Interdisciplinary and Global Environmental Studies Center. University of Arizona (USA). 1,999,202.00€. External collaborator 2012-2015 and predoctoral researcher Jan 2015-Feb 2016.

**Jun 2009- May 2012:** Participatory planning of water management alternatives in the Andarax river basin (ALTAGUAX). EU ALERT Program. External collaborator.

**Apr 2009- Mar 2011:** GA – 232331. 'Biotechnological recycling of olive mill rinse water by micro-algae (ALGATEC)'. Research for SMEs VII EU Framework Program, FP7-SME-2008 call. 1,070,162.00€. Project manager Jan 2009- Aug 2010

## INTERNATIONAL CONFERENCES

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**Sep 2021:** Delft Conference on SocioHidrology, 6-8. Communication: Eutrophication as an opportunity for multispecies water justice.

**Sep 2020:** V Post-Normal Science Symposium, 21-25. Communication: Narratives as epistemic tools to work with ambiguity in extended peer communities. Co-convener of session: Addressing ambiguities in participatory processes to support natural resource governance.

**Aug 2020:** ECPR Virtual Annual Conference, 24-28. Communication: Co-producing narratives on the WEF nexus to enhance adaptive capacity. Panel on Adaptive Governance of Aquatic Social-Ecological Systems.

**Oct 2018:** Water Science for Impact Conference. Wageningen, Netherlands. Communication: MAGIC nexus concept to modeling. In 'Session: Nexus concept to model'. Session convener: Stop the buzzword: closing persistent gaps in the implementation of the Water-Energy-Food Nexus I. Communication: Quantitative Story Telling, linking perceptions to representations in a reflexive nexus research approach.

**Sep 2018:** X Iberian Conference on Water Management and Planning. Communication: ¿Qué historias cuentan sobre la Directiva Marco del Agua? Coimbra, Portugal.

**Sep 2017:** III Post-normal science symposium: 'Post-truth' and a crisis of trust? Perspectives from post-normal science and extended citizen participation'. Communication: A self-reflective story about the New Water Culture Foundation as extended peer community. Tuebingen, Germany.

**April 2017:** European Geosciences Union Annual Assembly. Vienna, Austria. PICO presentation: Quantitative Story-Telling: Initial steps towards bridging perspective for a robust nexus assessment.

**Aug 2016:** EU-AU-IIASA workshop on Evidence and Policy: Water-Energy-Food Nexus. Ispra, Italy. Participant.

**Jun 2016:** International Conference on Citizen Observatories for Water Management. Venice, Italy. Communication: The Water Policies Observatory: an experience of co-generation of knowledge for citizen action.

**Feb 2016:** International Conference on Open Knowledge: bridging perspectives to address water challenges. Tucson, USA.

- Session convener: Open Knowledge and Transdisciplinarity in the Era of Big Data: What Lessons for Water Governance?

- Communication: Data, information and knowledge for water governance: a summary of lessons from two years of research.

- Participant: SWAN interdisciplinary student workshop. CAN WE TALK? Designing a transdisciplinary educational experience. Biosphere 2.

**Dec 2013:** IX Iberian Conference on Water Planning and Management. Lisbon. Communication: Multiscale analysis of water metabolism to evaluate water planning scenarios. & Poster: Transdisciplinary approach for sustainable action on water issues.

**Sep 2013:** IV EUGEO Congress: Europe, what's next? Changing geographies and geographies of change. Rome. Communication: The integration of water and agricultural policies: a societal metabolism approach.

**Nov 2012:** EGU Leonardo Topical Conference Series on the hydrological cycle. Hydrology and Society: Connections between Hydrology and Population dynamics, Policy making and Power generation. Turin. Communication: Analyzing water metabolism in Socio-Ecological Systems: A Multi-Scale Integrated Approach.

**June 2011:** ESEE Advancing ecological economics: theory and practice. Istanbul, Turkey. Communication: Multi Scale Integrated assessment of Socio-ecological metabolism of water.



## RELEVANT INVITED TALKS

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**Dec 2020:** Knowledge co-production and the science-policy interface in water governance. NeWAVE e-lectures series: Water Governance Theoretical Perspectives.

**Dec 2020:** The role of scientific expertise in citizen engagement and deliberative democracy. III European Citizen Engagement and Deliberative Democracy Festival.

**Oct 2020:** Alternative water resources for irrigation in the Canary Island. EU Learn programme.

**Feb 2018:** Analyzing desirability, viability & feasibility related to the Nexus in crop production and water management in Southern European regions'. Joint Research Center Workshop 'Water scenario and modeling narratives. Moving towards quality narratives in water policy'. JRC Ispra, Italy.

**Jan 2018:** Operationalising MuSIASEM for the analysis of crop production in Almeria, Southern Spain. FAO Expert Workshop 'Applying social-ecological system frameworks to improve sustainable land-use and enhance resilient agro-food systems under water scarcity'. Rome, Italy. FAO headquarters, Rome, Italy.

**Dec 2017:** La Directiva Marco del Agua: Diez años de gestión ambiental del agua. Keynote speaker at the Annual Biology Symposium. Universidad de Cuenca, Ecuador.

**Apr 2017:** What is the MAGIC approach? Key building blocks of quantitative story-telling. Final workshop of FP7 project WEAM4i. Barcelona, Spain.

**Jan 2017:** Moving towards adaptive governance in complexity. Overall presentation of the project. Final meeting of FP7 project WaterInnEU. Barcelona, Spain.

**Nov 2016:** What is MAGIC? Overall presentation of the project and its building blocks. Annual brokerage event of WssTP. Nexus working group. Brussels, Belgium.

**Apr 2015:** Water use and sustainability in the Tucson basin: implications of a spatially neutral approach to groundwater management. 4th Annual meeting of SWAN project. Sofia, Bulgaria.

**Mar 2015:** #WaterP2P: An introduction to the citizen science and open knowledge movements. What about water? SWAN Central Seminar. University of Arizona, Tucson, USA.

**Nov 2015:** Multi-scale analysis of Socio-Ecological systems metabolism: application to the Tucson basin. Kick-off meeting of the Observatory of Man and the Environment OHMI-project. University of Arizona, Tucson, USA.

**Feb 2014:** Multi-scale analysis of water narratives in the Andarax basin. UNESCO-IHE Institute for Water Education, Delft, The Netherlands.

**May 2013:** Water Metabolism in Socio-Ecological Systems: A multi-scale integrated approach. The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis. Indiana University, Bloomington, USA.

## FACILITATION

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**May 2021– May 2022:** Coordination panel of the Spanish Climate Assembly.

**Dec 2021:** Participatory Workshop at BC3 on *Women in Science*. Design and co-facilitation.

**July 2021:** Emotional support and conflict transformation for Artaziak (2 sessions). Design and facilitation.

**Feb-Jun 2021:** Designing a co-governance system for Baratza-Berri (4 sessions). Design and facilitation.

**Jan 2021:** Designing a governance structure for Artistak-etc (2 workshops). Design and facilitation.

**Nov-Dec 2020:** Deliberative workshops on floods management at the Ebro river basin (2). EbroResilience Strategy. Spanish Ministry for Ecological Transition. Co-facilitation and technical support.

**July 2020:** European Mission on Climate Adaptation. Spanish online deliberative event. 27/07/2020. Co-facilitation.

**Jun 2020:** Exploring narratives on healthy and sustainable diets in the Canaries through online citizen engagement. 2 focus groups within MAGIC H2020 research project. Design, facilitation and analyses.

**Oct - Dec 2019:** Co-producing new narratives on alternative water resources for irrigation in the Canary Islands. 2 workshops within MAGIC H2020 research project. Gran Canaria and Tenerife, Spain. Design, facilitation and analyses.

**Feb - Nov 2019:** Moving towards sociocracy as a structure for collaborative governance in Wikitoki. Wikitoki Lab for Collaborative Practices. 4 workshops in Bilbao, Spain. Design and facilitation.

**Nov 2018:** Challenges in urban water management in Zaragoza. Deliberative workshop at the International Seminar: 'Water and river ecosystems in cities'. X Aniversario of the International Exposition of 2008. Zaragoza, Spain. Design and facilitation.

**Oct 2018:** Hybridizing digital and offline spaces for participation. Workshop at the I International Meeting for Participatory Democracy: 'Public policies from citizens'. Novagob Annual Congress. Toledo, Spain. Design and facilitation.

**Oct 2018:** Stop the buzzword: closing persistent gaps in the implementation of the Water-Energy-Food Nexus II. Scientific workshop at the International Conference Water Science for Impact. Wageningen, Netherlands. Design and facilitation.

**Oct 2017:** Building democracy from the process: testing a methodology to assess the quality of participatory processes. Workshop within the Third Meeting on Municipalism. Commons Foundation. Pamplona, Spain. Design and facilitation.

**May 2017:** Collaborative mapping of water conflicts in Andalusia. Workshop within the X Meeting of Andalusian New Water Culture Network. Castril, Spain. Facilitation.

**Nov 2016:** Datos abiertos en el sector del agua en España. Seminario nacional del Observatorio del Agua de la Fundación Botin. Madrid, Spain. Design and facilitation.

**Oct 2013:** Identification of key management challenges in the Tucson basin. Stakeholder workshop within SWAN FP7 research project. Tucson, USA. Design and facilitation.

**Oct 2012:** Participatory development of indicators for integrated assessment of sustainability of citrus production in Spain. Stakeholder workshop within Citrus-ProPlanet project. Valencia, Spain. Design and facilitation.

**2011-2013:** Participatory Agenda 21 in Órgiva (Spain). Andalusian Federation for Environmental Sciences. Support to process design and evaluation.

## ORGANIZATION OF CONFERENCES & ACADEMIC COURSES

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**Sep 2020:** XI Iberian Congress on Water Management and Planning: “Towards a fair water transition”. Porto, Portugal. Scientific committee, coordinator of ‘Governance, communication and education area’. <http://congresoiberico.org/>

**Nov 2019:** 2nd European Commission Citizen Engagement Festival, Brussels. Session convener and facilitator: “We-participation for public policy making”.

**Nov 2018:** IV Post-normal science symposium: “Post-normal science as a movement: between informed critical resistance, reform and the making of futures”. Barcelona, Spain. Scientific committee.

**Oct 2018:** I Encuentro Internacional de Democracia Participativa: “Políticas públicas desde la ciudadanía”. In: Toledo, Spain. Scientific committee. <https://www.congresonovagob.com/encuentro-participacion/>

**Sep 2018:** X Iberian Congress on Water Management and Planning: “Flujos de agua, flujos de vida: 20 años de nueva cultura del agua ibérica”. Porto, Portugal. Scientific committee. <http://congresoiberico.org/>

**Sep 2017:** III Post-normal science symposium: “Post-truth and a crisis of trust? Perspectives from post-normal science and extended citizen participation”. Tuebingen, Germany. Scientific committee. <https://uni-tuebingen.de/de/125809>

**Feb 2016:** International Conference: “Open Knowledge: bridging perspectives to address water challenges”. Session Open Knowledge and Transdisciplinarity in the Era of Big Data: What Lessons for Water Governance? Tucson, USA. Steering committee & Session convener.

**Jun 2014:** International Conference: “Data, Information and Knowledge for Water Governance in the Networked Society”. Seville, Spain. Steering committee. <http://grupo.us.es/gi-est/es/node/906>.

## SUPERVISION & MENTORING

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**2017-2018:** Master’s thesis co-supervisor (with Dr. Raúl Velasco) of Carolina Cristofaro. “The super-blocks project of Barcelona: resilience assessment using societal metabolism concepts”. Institute of Environmental Sciences and Technology, Autonomous University of Barcelona.

## TEACHING

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University of Cordoba, Spain. Apr 2018: Erasmus Master Program on Sustainable Rural Development. Introduction to facilitation (5 hrs)

Coursera. 2017 onwards: Sustainability of Social-Ecological Systems: the Nexus between Water, Energy and Food. Teaching support to Weeks 5 and 7.

University of Azuay. Cuenca, Ecuador.

Dec 2017: Msc in Environmental Management. Course on Socio-Environmental River Basin Management (48 hrs)

Mar 2016: Msc in Environmental Management. Course on Socio-Environmental River Basin Management (48 hrs)

Autonomous University of Barcelona, Spain.

Sep 2016: Master Program in Interdisciplinary Studies in Social, Economic and Environmental Sustainability (3 hrs)

July 2016: Liphe4 Scientific Society Summer School. The Nexus between Food, Energy, Water and Land-use: Quantitative Storytelling with MuSIASEM (40 hrs)

International University of Andalusia. Seville, Spain. Jul 2016: Master Program in Sustainable Water Management. Guadalquivir case-study (5 hrs)

University of Seville, Spain

2012- 2015: Arc-GIS: Vector data. Bsc. History and Geography (30 hours)

Jan 2014: Course on participatory methods for teaching. Institute of Education (20 hours)

Feb 2014: Course on participatory methods for research. Institute of Education (20 hours)

## MEMBERSHIP OF SCIENTIFIC AND SOCIAL ORGANIZATIONS

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Since 2018: Member of Wikitoki Lab for Collaborative Practices (Wikitoki.org)

Since 2018: Member of Hybridas: researchers, feminist and facilitators (hybridas.org)

2016-17: Co-chair of the working group on the Water-Food-Energy-Ecosystems Nexus of the European Water Supply and Sanitation Platform (<http://wsstp.eu/>)

Since 2011: Member of the New Water Culture Foundation and its Water Policy Observatory (<https://fnca.eu/en/>)

Since 2011: Member of the WATERLAT-GOBACIT network (<http://waterlat.org/>)

Since 2010: Member of PASOS – Participación y Sostenibilidad (pasos.coop)

2011-14: Member of the executive board of the Spanish Society for Ecological Economics

## OUTREACH AND PUBLIC DISSEMINATION

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### *Policy briefs*

Reclaimed water for agriculture. The case of the Canary Islands. 2018. <http://www.magic-nexus.eu/documents/reclaimed-water-agriculture-case-canary-islands>

Solving water problems or creating new ones? The use of alternative water resources for irrigation presents a number of challenges that require further attention from European policies. 2020. <http://www.magic-nexus.eu/documents/solving-water-problems-or-creating-new-ones>

### *Press & blog posts*

El Topo Tabernario. Sección ¿Sostenibili-qué? Aug 2017. No me vendan eficiente por sostenible <http://eltopo.org/no-me-vendan-eficiente-por-sostenible/>

Interview in IAgua blog on the Human Right to Water. May 2016. <https://www.iagua.es/blogs/jorge-castaneda-pastor/materializacion-derecho-al-agua-dependera-como-siempre-movilizacion>

### *Radio interviews and podcasts*

De la ciencia antigua a la búsqueda conjunta de la desconocida poesía de lo emocional. 2019. El Paseo. [https://www.ivoox.com/140-de-ciencia-antigua-a-busqueda-conjunta-audios-mp3\\_rf\\_45472315\\_1.html](https://www.ivoox.com/140-de-ciencia-antigua-a-busqueda-conjunta-audios-mp3_rf_45472315_1.html)

Gestión del agua en la cuenca del Andarax, 2014. Medioambiente al día. Candil Radio, Almería.

## COMPLEMENTARY EDUCATION

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2021: Analyze, intervene and evaluate socio-environmental conflicts (24h). UNED

2021: Qualitative Methods (Coursera) and Qualitative Data Analysis (Udemy)

2020-2021: 3 weekend seminars on Process Work

2020: Training in online facilitation. Altekio initiatives for change (8 h).

2016-2020: Training in group facilitation. IIFACe Spanish Institute for Facilitation and Change

Universitat Autònoma de Barcelona

2018: Qualitative Meta-Analysis for socio-environmental research

2017: Statistical Modelling with R software

2017: R programming. Coursera

University of Seville

2014: Spatial databases: PosGis

2013: Geographic Information Systems and Geodatabases II

2012: Geographic Information Systems and Geodatabases I

2012: Qualitative research methods

2012: 7th Summer School: Multi-Scale Integrated Analysis of Societal and Ecosystem Metabolism (MuSIASEM): An innovative approach to energy analysis. Barcelona (Spain). LIPHE4 Scientific Society

2012: Sustainable Water Policies for Europe. Munich (Germany). XV International Erasmus Program Seminar on Geography of Water

2011: Economics for water ecosystem services management. Seville (Spain). SCARCE-CONSOLIDER Project.

UNIA International University of Andalusia

2011: Image code: data visualization with Processing

2011: Digital tools for participatory mapping

2011: Complex thinking and sciences for complexity

## LANGUAGES

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Spanish: Native speaker

English: Proficient user