SALBIA is an ambitious multidisciplinary project that will assess the impacts of freshwater salinization. That is why a large group of researchers from a wide range of disciplines will be involved. It is centered on the study of **The Gambia river**. Therefore, conducting a multidisciplinary project involving sample collection, equipment installation and interaction with communities (workshops, interviews, and surveys) requires the participationof local researchers and institutions. Taking all of this into account, the SALBIA project counts with a large number of researchers (8 from Spain, 8 from other European countries, 1 from Australia, 1 from USA and 8 from The Gambia) and institutions to ensure the feasibility of the project.

The PIs of the proposal, who will co-supervise the candidate, cover the main topics of SALBIA. **Núria Catalán** is a biogeochemist focused on the study of carbon cycling in inland waters, with focus on the effect of anthropogenic pressures. **Pablo Rodríguez-Lozano** is an environmental scientist and ecologist focused on the human dimensions of river ecosystems through an interdisciplinary lens, combining his experience on river ecology with social sciences disciplines, i.e., environmental perception, environmental ethics, political ecology. **Miguel Cañedo-Argüelles** is an expert of freshwater salinization, leading several highly cited papers published on the topic, and he is trained in community ecology and biodiversity conservation. The candidate will also benefit from interacting with the rest of SALBIA team members, who have a strong experience on a wide range of topics directly related to the project such as hydrology, carbon biogeochemistry, GHGs, biodiversity, environmental DNA, mangrove ecology and remote sensing, local people's perceptions and values, social-ecological systems, environmental management and environmental education. Moreover, SALBIA includes some of the key experts on the ecology and management of the River Gambia, with strong links to the local communities.

The candidate will work at the **Institute of Environmental Assessment and Water Research (IDAEA)** in Barcelona, to which M. Cañedo-Argüelles (IP1) and N. Catalán (IP2) belong, and the **Universitat de les Illes Balears**, to which P. Rodriguez-Lozano (IP3) belong.

IDAEA was founded in 2008 as a new multidisciplinary research institute, and it is the reference center on environmental science of the Spanish National Research Council (CSIC). IDAEA has cutting-edge infrastructure and technical equipment that will be available for the candidate, including a high capacity computing cluster. The Universitat de les Illes Balears is an historical public university (founded in 1978) leader in teaching and research. It includes 41 Bachelor studies, 33 Masters and 24 PhD programs and has over 15k students enrolled. Additionally, the candidate will benefit from the human, material and equipment resources available from the institutions to which the team members belong (Universidade de Vigo, Universitat Oberta de Catalunya, Universitat de Barcelona, University of Duisburg-Essen, University of Kaiserslautern-Landau, Michigan State University and the University of The Gambia). Finally, the candidate will benefit from the collaboration of institutions working in The Gambia, which can provide human, material and equipment resources in The Gambia.

MINISTERIO DE CIENCIA E INNOVACIÓN

Financiado por la Unión Europea NextGenerationEU

Plan de Recuperación, Transformación y Resiliencia

AGENCIA ESTATAL DE INVESTIGACIÓN

CURRICULUM VITAE (CV)

CV date	09/08/2023

Part A. PERSONAL INFORMATION

First name	Núria		
Family name	Catalán García		
Gender (*)	Female	Date of Birth	12/11/1985
Social Security, Passport, ID number			40999923P
e-mail	ncatalangarcia@gmail.com	URL Web	nuriacatalan.weebly.com/
Open Researcher and Contributor ID (ORCID) (*)		0000-0002-2433-4190	

A.1. Current position

Position	Ramon y Cajal researcher		
Initial date	1/1/2023		
Institution	Consejo Superior de Investigaciones científicas (CSIC)		
Department/ Centre	Instituto de Diagnóstico Ambiental y Etsudios del Agua (IDAEA)		
Country	Spain	Phone number	+34 93 006 100
Keywords	Carbon cycling, inland waters, global change, laboratory and in-situ experiments		

A.2. Previous positions

2020-2023 *Marie Sklodovska-Curie global individual fellowship*. Outgoing phase: US Geological Survey, Boulder, USA. Incoming phase: Laboratoire des Sciences du Climat et l'Environnement (LSCE), CNRS-UMR 8212, France.
2018-2019 *Beatriu de Pinós (BdP) researcher*, Catalan Institute Water Research (ICRA), Girona, Spain.
2016-2018 *Juan de la Cierva (JdC) researcher*, Catalan Institute Water Research (ICRA), Girona, Spain.
2016 (4m) *Postdoctoral Researcher*, Dept. of Limnology, Uppsala University, Sweden
2014-2016 *Wenner-Gren foundation postdoc fellow*, Limnology Dept., Uppsala University, Sweden
2010-2013 *FI-AGAUR PhD fellow*, Dept. Ecologia, Universitat de Barcelona, Spain.

A.3. Education

2013 *PhD in Ecology*, Dept. Ecologia, Universitat de Barcelona, Spain. Supervisors: B. Obrador, J. Ll. Pretus. *Excellent-cum laude*
2009 *MSc in Fundamental and Applied Ecology*, Univ. de Barcelona/Univ. de Girona, Spain.
2008 *BSc in Environmental Sciences*, Universitat de Barcelona, Spain. Dissertation developed at LISBP-INSA, Toulouse, France.

Part B. CV SUMMARY

My research grounds on **ecology, limnology, biogeochemistry, and microbiology**, with focus on the empirical study of carbon cycling across aquatic ecosystems, for what I have applied an array of analytical and modelling techniques. With a BSc in environmental sciences, I completed my PhD in Ecology in 2013. Since then, issued **53 peer-reviewed papers** including first or senior author publications in leading generalist journals such as *Nature Geosciences*, *Nature Communications*, *Scientific Reports*, or *Global Biogeochemical Cycles*. These contributions, prove my **capability as leading author** (20%), **supervisor and coordinator** (40% as 2nd or senior author) and their scientific relevance (90% in Q1 journals; 2059 citations), which has also been recognized through **invitations to international conferences as plenary (4) and invited speaker** and seminars in institutions of 7 countries. I have been invited to **scientific committees of 3 conferences and convened 14 special sessions**.

I have established a ***wide network of international collaborators across disciplines***. This is evident from the number of institutions in which my career has developed, the **extensive period abroad (5 years),** including **post-docs in Sweden, USA and France**, and the **research stays in more than a dozen of institutions in Germany, France, Italy, Denmark, Switzerland, Brazil and Chile** (including those <

1month). This high internationalization is also reflected in my **publications, that include >190 co-authors from >40 countries and are highly multidisciplinary,** including (according to ISI WoS): Multidisciplinary, Environmental Sciences, Geosciences, Limnology, Marine and Freshwater Biology, Oceanography, Ecology, Water Resources, Environmental Engineering and Evolutionary Biology.

The development of my ***professional independence and leadership capacity*** are intimately linked to that high level of internationalization. **Most of my publications (70%) and projects are without my PhD thesis supervisors**. I **have always been able to cover my own salary**, obtaining different competitive grants at a national and international level (*see* A2 above). In addition, **I have raised more than €400k of funding as PI and participated in a total of 25 research projects** (4 EU-funded, 15 National-funded, 6 others) totaling 11M €. Very relevant is also my **participation and leadership in collaborative and grassroots initiatives** such as DOMIPEX or DRYFLUX (*see* C3 below) as well as participation in 2 COST-actions and multiple projects from the Global Lake Observatory Network (GLEON). I would like to highlight also my role as **editor** of special issues and as a **reviewer** in >20 indexed journals, **national project panels** of Italy, Germany, Chile and Spain, and recently, of the **6th IPCC report WGII.**

I aim to foster the ***development and independence of students and young scientists***. I have **supervised or co-supervised 10 students including two PhD** (Daniela Henry, ICRA (2021-present) and Duygu Tolunay, ICRA (2019-2020 interrupted for COVID19)), Fullbright, MSc, BSc or research training students, mentored several PhD students -my contribution reflected as 2nd author publications- and participated in **PhD and MSc thesis defense committees**. My teaching activity has been recognized with the **accreditation of associate professor** (Agregat-Catalan Quality Agency (AQU)), having imparted **classes at the BSc and Msc levels at University of Barcelona and École Normale Supérieure** as well as several **seminars for MSc and PhD students** in international centers such as Yale University. I have also developed **workshops and activities for the training of Early career scientists** and wrote three publications on tools for their empowerment and independence. It is also worth highlighting ***my active participation in scientific societies*** (AIL, ASLO, EGU, GLEON) ***and my labor to achieve gender equity in sciences***. I became a **member of the board of directors of the Iberian Association of Limnology (AIL)** in 2014, first as a representative of young researchers and at present as **coordinator of the "Gender and Science" working group**. This group has outcomes such as GenderLimnoEDU project, that provides resources to achieve gender fair-practices in higher education, the "Women in Limnology" exhibition, several indexed articles, a book chapter and multiple workshops. I have imparted talks, participated in round tables, organized debates and Wikipedia edit-a-thons and I am at present representative in the European Federation for Freshwater Sciences on that regard. The group has been recognized with the **AEET award for diversity and inclusion in academia in 2021.**

Finally, I am ***committed to transfer my research to society*** through multiple outreach activities, with emphasis in the young (*see* C4 below). My contributions have been included in the 6th report of the IPCC, which highlights their relevance to understand the most pressing societal concern: global change.

Part C. RELEVANT MERITS

C.1. Publications

53 articles published in top peer-reviewed journals (90% of them in Q1). These publications accumulate 1465-2059 citations (WoS-Google Scholar, 25/01/2023; 1st paper in 2013). A complete list of publications can be found on my website: nuriacatalan.weebly.com (*) Indicates authors contributed equally. (#) Indicates role as supervisor or senior/coordinator. ($) Indicates no supervisors as co-authors (Cites retrieved the same date from WoS, excluding self-citations). JIF according to Scopus CiteScore, due to its gratuity.

1. **Catalán N.$,** R. Marcé, D. N. Kothawala and L. J. Tranvik. 2016. Organic carbon decomposition rates controlled by water retention time across inland waters. *Nature Geoscience*, 9 (7): 501-504. Cit: 216. Q1 Geosciences, Multidisciplinary.
2. **Catalán, N.$,** R. del Campo, M. Talluto, […] , E. Bertuzzo. 2022. Pulse, Shunt and Storage: Hydrological Contraction Shapes Processing and Export of Particulate Organic Matter in River Networks. *Ecosystems* (*in press*).

3. **Catalán, N.**[$,#], J.P. Casas-Ruíz, M. I. Arce, […] and A. Pastor. 2018. Behind the scenes: mechanisms regulating climatic patterns of organic carbon uptake in headwater streams. *Global Biogeochemical Cycles* 32, 1528-1541. Pos: 1/22. Cit: 20. Q1 General Environmental Science.
4. Keller P.S., **N. Catalán**[#], D. vonSchiller, […] and R. Marcé 2020. Global CO_2 emissions from dry inland waters share common drivers across ecosystems. *Nature Communications* 11:2126. Pos: 2/46. Cit: 37. Q1 Multidisciplinary.
5. Kothawala, D.N., A.M. Kellerman, **N. Catalán**[$], and L.J. Tranvik. 2021. Organic matter degradation across ecosystem boundaries: The need for a unified conceptualization. *Trends in Ecology and Evolution* 36 (2) 113-122. Cit: 16. Q1Biological Sciences.
6. **Catalán N.***[,$]**,** Pastor A.*, Borrego C., Casas-Ruíz J. P., Hawkes J., Gutierrez C., von Schiller D., Marcé R. 2021. The relevance of environment versus composition on dissolved organic matter degradation in freshwaters. *Limnology and Oceanography*, 66 (2): 306-320. Cit: 11. Q1 Aquatic Science.
7. Farré M. J., J. Hawkes, A. Jaén-Gila, M. Petrovic, **N. Catalán**[#,$]**.** 2019. Orbitrap molecular fingerprint of dissolved organic matter in natural waters and its relationship with NDMA formation potential. *Science of the Total Environment* 670: 1019-1027. Cit: 23. Q1 Environmental Engineering.
8. Obrador, B.*, R. Marcé, D. vonSchiller, Ll. Gómez-Gener, M. Koschorreck, C. Borrego, **N. Catalán***[,#]. 2018. Dry habitats sustain high CO_2 emissions from temporary ponds across seasons. *Scientific Reports* 8: 3015. Cit: 26. Q1 Multidisciplinary.
9. **Catalán N.**[#]**,** J. P. Casas-Ruíz, D. vonSchiller, L. Proia, S. Sabater, B. Obrador, E. Zwirnmann, R. Marcé. 2017. Biodegradation kinetics of dissolved organic matter chromatographic fractions in an intermittent river. *JGR-Biogeosciences* 122, 131-144. Cit: 40. Q1 Earth and Planetary Sciences.
10. **Catalán N.**[$], A. Kellerman, H. Peter, F. Carmona and L. Tranvik. 2015. Absence of a priming effect on dissolved organic carbon degradation in lake water *Limnology and Oceanography*,16: 159-168. Cit: 68. Q1 Earth Surface processes.

C.2. Congresses

Plenary speaker SEFS 2023. June 2023.

Plenary speaker *2nd Meeting of the Iberian Ecological Society (SIBECOL),* Aveiro, Portugal. Jul 2022. "Gender & Science: fostering women in limnology". N. Catalán and other members of Gender AIL. Selected as the most inspiring talk of the conference.

Plenary speaker *Conference German Limnological Society (DGL)*, Leibniz, Germany, Sep.2021. "Inland waters under global change: effects on organic matter composition and processing".

Plenary speaker *XVII Congress of the Iberian Association of Limnology (AIL)*, Tortosa, Spain. Jul 2016. **"**Carbon uptake in headwater streams: insights from the first collaborative experiment among AIL young researchers". N. Catalán, A. Pastor and the contributing DOMIPEX team.

Invited speaker: Conference on *Unifying concepts pertaining to organic matter reactivity across soil, freshwater and marine systems*, Uppsala, Sweden, Jan. 2019.

Invited speaker and round-table participant: *XVI Congresso Brasileiro de Limnologia*, Rio de Janeiro, Brazil. Jul. 2017, "Aquatic priming effect: looking for the mechanisms behind non-additive interactions of organic matter".

Invited speaker: *Biogeomon conference*, Litomysl, Czech Republic. Aug. 2017, "DOM reactivity across aquatic ecosystems and scales".

Invited speaker: *FreshBlood for Fresh Sciences meeting*, Mondsee, Austria. Apr. 2015 "The potential of collaborative experiments among young scientists: the DOMIPEX project".

Additionally, I have presented **28 regular talks** and **3 posters** and **co-authored 41 additional communications** in international conferences including EGU, SIL, ASLO, BIOGEOMON, SFS, SEFS or ESA, and imparted **seminars about my research** at, among others: EAWAG (Switzerland, 2022), EcoLab CNRS Toulouse (France, 2021); Antwerp University (Belgium, 2021); INSTAAR (USA, 2021), UCSC (Chile, 2019), Yale University (USA, 2017), IPSL-LSCE-CNRS (France, 2017), CREAF-UAB (Spain, 2017). **I have organized 12 special sessions at EGU** (2019), **SIL** (forthcoming)**, ASLO** (2015, 2016, 2017 and 2018)**, SIBECOL** (2019) **and AIL** (2016, 2018, 2020) conferences.

C.3. Research projects* *Selected projects only and with role as PI or on-going

2023-present "Contributing to understand C cycling: organic carbon degradation across inland waters and its response to global change". Financing: **Ramon y Cajal program** (RYC2021-033714-I). Amount: 236 350€ Role: PI. Additional 100k€ extra research financing by CSIC (because of being ranked 6th).

2023-present **METAESTANY** "The metabolism of Pyrenean lakes as indicator of global change". Financing: Fundacio Catalana Recerca i Innovacio. Amount:14 700€. Role: PI

2022-present **LACOS** "Pyrenean LAkes C cycling assessed through CO2/O2 comprehensive measurements to its direct share with Scholars". Financing: Parc Natural de l'Alt Pirineu, Spain. Amount: 2018€. Role: PI

2020-2023 **CHROME** "Linking CHemical diversity and Reactivity of Arctic dissolved Organic Matter for its integration in Earth system models". Financing: European commission, **Marie Sklodovska-Curie Action** (H2020- IF-GF-2018; Num. 839709). Amount: 275 619€. Role: PI

2018-2019 **CLOSSED** "Assessing the fate of a long-term C sink: organic C LOSS in lake SEDiments as a consequence of recurrent and permanent drying". Financing: Beatriu de Pinós post-doctoral grant (BP2016-00215), AGAUR, Spain. Amount: 92 000 €. Role: PI

2015-2017 "**Organic matter persistence in lakes**: testing the link between water residence time and microbial function", Financing: Olsson Borghs Foundation, Sweden. Amount: 300 000SEK. Role: PI

2013-2015 **DOMIPEX**- "Effects of labile DOC additions over DOM dynamics as a function of discharge variability", Financing: 1st collaborative project of the Iberian Association of Limnology (AIL), Spain-Portugal. Amount: 4500€ Role: co-PI, coordinating a team of 42 people.

2016-present **DRYFLUX I and II** - Collaborative Distributed Experiment (not competitive) "CO_2 emissions from dry freshwater systems", Supporting network: GLEON. Role: core team of researchers, coordinating >200 sampling sites, >40 researchers in 36 institutions.

2013-2014 **CARBASSES** - "CO_2 and CH_4 emissions from the temporary ponds of Menorca Island", Institut Menorquí d'Estudis, Spain. Amount: 4500€ Role: co-PI.

2021- present. **InventWater** – "Inventive forecasting tools for adapting water quality management to a new climate". Financing: Marie Sklodowska Curie Action European Training Networks (ETN) (programme Innovative Training Networks (ITN) of Horizon 2020). Amount: 4 021 497€. PI: Rafael Marcé (ICRA). Role: Supervisor of PhD student EST13

2021- present. **ALTER C** – "Alteration of carbon sinks and sources in shrinking inland waters". Financing: Agencia Estatal de Investigación, Spain (PID2020-119712GB-I00). Amount: 111 441 €. PI: Daniel vonSchiller (Universitat de Barcelona). Role: Associated researcher.

2023-present **MUAC!**- Mujer, Agua y Emergencia climática. Ministerio de Igualdad. Role: Associated researcher (Gender & science AIL).

2023-present **UNDAMMED**- "The role of dam removal on the restoration of morpho-sedimentary equilibrium and carbon fluxes in river networks: carbon sinks and sources". Financing: Agencia estatal de investigación, Spain. PI: Rafael Marcé (ICRA) Role: Associated researcher.

C.4. Technology/Knowledge transfer

I am ***transferring that knowledge to society through different outreach activities*** **1) conferences, with emphasis in young students**: I have visited and skyped with schools through the programs SkypeaScientist, #11F and #100tifiques and I am a collaborator with the Kilian Jornet foundation on promoting the relevance of mountain ecosystems. I participate in meetings in my home-region (Teruel: ITACA, Gallocanta) and have instructed water stakeholders through the Catalan Water Partnership. **2) press and social media:** we produced press releases, highlighted in media such as EOS, ccma.cat, La Vanguardia, ElPeriodico o lasexta.com, I have been interviewed in several occasions and I actively contribute to several Blogs and Wikipedia. **3) Reports to inform policies:** Several of my contributions have been included in the last report of the IPCC, as well as in the 2nd state of the carbon cycle report.

MINISTERIO DE CIENCIA E INNOVACIÓN

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CURRICULUM VITAE ABREVIADO (CVA)

***IMPORTANT** – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.*

Part A. PERSONAL INFORMATION

First name	Pablo		
Family name	Rodríguez Lozano		
Gender (*)	Male	Birth date (dd/mm/yyyy)	02/10/1987
Social Security, Passport, ID number	06274420C		
e-mail	pablo.rodriguez@uib.es	URL Web	
Open Researcher and Contributor ID (ORCID) (*)		0000-0002-5130-8107	

(*) Mandatory

A.1. Current position

Position	Postdoctoral Researcher Juan de la Cierva – Incorporación		
Initial date	01/07/2021		
Institution	Universitat de las Islas Baleares		
Department/Center	Geography	Facultad de Filosofía y Letras	
Country	Spain	Teleph. number	971172793
Key words	Freshwater ecosystems; Community ecology; Non-perennial rivers; Social-ecological systems; Water resources; Human dimensions of nature; Human values; Environmental perception;		

A.2. Previous positions (research activity interuptions, indicate total months)

Period	Position/Institution/Country/Interruption cause
30/06/2019-29/06/2021	Postdoctoral Researcher Margalida Comas Fellow / Universidad de las Islas Baleares / Spain
01/10/2018-01/06/2019	Postdoctoral Researcher (hired by Dr. Stephanie M. Carlson) / University of California, Berkeley / U.S.A.
01/07/2021-30/06/2024	Postdoctoral Researcher Ramón Areces Fellow / University of California, Berkeley / U.S.A.
02/02/2016-31/07/2016	Postdoctoral Researcher (hired by Dr. Narcís Prat) / Fundació Bosh i Gimpera – Universitat de Barcelona / Spain
20/04/2015-19/10/2015	Predoctoral Researcher (hired by the LIFE TRIVERS project) / Universidad de Barcelona / Spain
01/04/2013-01/07/2013	Visiting Research Fellow – FPU Short Stay / University of Otago / New Zealand
11/01/2012-30/04/2012	Visiting Research Fellow – FPU Short Stay / Queen Mary University of London / United Kingdom
13/12/2010-12/12/2014	FPU Predoctoral Researcher / Universidad de Barcelona / Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Ph.D. in Ecology	Universidad de Barcelona / Spain	2016
Oficial Master in Ecology (60 ECTS)	Universidad de Barcelona / Spain	2010
Degree in Environmental Sciences (300 ECTS)	Universidad Autónoma de Madrid / Spain	2009
Basic studies of B.A. in Philosophy (36 ECTS)	UNED / Spain	-

(Include all the necessary rows)

Part B. CV SUMMARY *(max. 5000 characters, including spaces)*

I studied a Degree in Environmental Sciences at the Madrid Autonomous University (2009), for which I received the First Award for Academic Excellence from the university and the National Award of Academic Excellence from Spanish Government. In 2009, I joined the Ecology Department of the University of Barcelona where I received my MSc (2010) and my PhD (2016) in Ecology. Besides obtaining the highest qualification for my PhD (Cum Laude) and an International Mention, I received the Award for an Outstanding PhD from the University of Barcelona.

I did my first postdoc (2.8 years) in the Department of Environmental Science, Policy, and Management of the University of California at Berkeley, which is considered the best public university in the world. During my postdoc, I continued my previous research line on the ecology of non-perennial streams and I started a new line on the social perceptions and socio-ecological conflicts around non-freshwater ecosystems and water resources. Taking advantage of the resources at UC Berkeley, I complemented my multidisciplinary background with some courses on Social Sciences research methods. During my work at UC Berkeley, I decided I wanted to continue working on the study of socio-ecological conflicts around water resources and freshwater ecosystems. To do so, I applied to the Margalida Comas Postdoc, which I obtained. In July 2019, I joined the GLOWATER Research Group and Geography Department of the University of the Balearic Islands. Currently, I hold a Juan de la Cierva – Incorporación contract (IJC2019-041601-I) on the Social Sciences thematic area under the research line "Environmental perceptions and social conflicts around water resources and freshwater ecosystems".

As a researcher, I have received the I3 accreditation (I3/2021/1012). I have published 26 JCR papers on international journals. I am the first author in 7 of them (27%) and corresponding author of 7 (27%). Moreover, I have published 1 book, 6 book chapters, and I have participated in a handbook for stakeholders. I have 540 citations; h-index: 12; i10-index: 14. I have presented my research in 17 international conferences with an oral presentation (3 as an invited speaker), and I am a coauthor in another >30 conference communications. I have organized 8 Special Sessions in international conferences. I have reviewed for 14 scientific journals (top peer reviewer according to Web of Science). I collaborate with public and private agencies to produce knowledge that is truly applicable and participate in outreach projects and activities to disseminate my research to key stakeholders and to the general public.

Currently, I am the PI of 4 competitive research projects (1 national, 3 regional; total funds over 220k €), and I have participated in other 14 competitive projects (9 international, 4 national, 1 regional).

I have a wide teaching experience (494 h), including international teaching experience at UC Berkeley. I am co-supervising one PhD student, and I have supervised 3 master thesis, 3 bachelor thesis and have mentored 5 undergrad students. I have been the PI of a teaching innovation project and participated in other three.

My international experience is outstanding. Besides my postdoc at UC Berkeley (32 months), I did two international stays during my PhD: University of Otago (New Zealand) and Queen University of London (UK). I belong to worldwide and European research networks. I have >100 co-authors located all around the world, while most of my publications have <5 co-authors, combining close collaborations with worldwide relevant contributions.

My leadership and independence have marked my academic career. I have obtained my own funding to cover my salary since 2009: la Caixa Scholarship, FPU Fellowship, Ramon Areces Postdoc, Margarlida Comas Postdoc, and Juan de la Cierva-Incorporación. I participate in several international projects as an independent researcher without the presence of my advisors (e.g. 1000IRES, SMIRES), which has positioned me internationally.

I participate very actively in scientific societies to raise awareness and help eliminate the existing barriers for those groups that have been historically excluded of the scientific community. I am a founder and co-coordinator of the Diversity and Inclusion Commission of the Iberian Ecological Society, member of the Gender and Science Group of the Iberian Limnological Association, and member of PRISMA (Spanish LGTBIQA+ Science Society).

Part C. RELEVANT MERITS

C.1. Publications

Rodríguez-Lozano, P., Lobera, G., Pardo, I., García, L., García, C. (2023). *Conservation of temporary streams: the relevance of spatiotemporal variation in beta diversity.* Aquatic Conservation: Marine and Freshwater Ecosystems.

Moidu, H., Rodríguez-Lozano, P., Leidy, R. A., Bogan, M. T., Grantham, T., Stephanie, C. (2023). Ecological consequences of shifting habitat mosaics within and across years in an intermittent stream. *Freshwater Biology,* 68, 1161-1175. *Doi:* https://doi.org/10.1111/fwb.14094

García, C., Deyà-Tortella, B., Lorenzo-Lacruz, J., Moran-Tejeda, E., Rodríguez-Lozano, P., Tirado, D. (2022). *Zero tourism due to COVID-19: an opportunity to assess water consumption associated to tourism*. Journal of Sustainable Tourism. Doi: 10.1080/09669582.2022.2079652

Kaletova, T., Rodríguez-Lozano, P., Berger, E., Filipe, A. F., Logar, I., Alves, M. H., Calleja, E. J., Jorda-Capdevila, D. 2021. *Considering temporal Flow variability of non-perennial rivers in assessing ecosystem service provision*. Ecosystem Services, 52. Doi: 10.1016/j.ecoser.2021.101368

Rodríguez-Lozano, P., Woelfle-Erskine, C., Bogan, M.T., Carlson, S.M. (1/4). 2020. A*re Non-Perennial Rivers Considered as Valuable and Worthy of Conservation as Perennial Rivers?* Sustainability, 12: 5782. Doi: 10.3390/su12145782

Ladrera, R., Rodríguez-Lozano, P., Verkaik, I., Prat, N., Díez, J.R. 2020. *What do students know about rivers and their management? Analysis by educational stages and territories*. Sustainability 12. Doi: 10.3390/su12208719

Rodríguez-Lozano, P., Leidy, R.A., Carlson, S.M. 2019*. Brook lamprey survival in the dry riverbed of an intermittent stream*. Journal of Arid Environments 116: 83-85. Doi: 10.1016/j.jaridenv.2019.04.016

Datry, T., Foulquier, A., et al. 2018. *A global analysis of terrestrial plant litter dynamics in non-perennial waterways*. Nature Geoscience 11:487-593. Doi: 10.1038/s41561-018-0134-4

Rodríguez-Lozano, P., Rieradevall, M., Prat, N. 2016. *Top predator absence enhances leaf breakdown in an intermittent stream*. Science of the Total Environment 572: 1123-1131. Doi: 10.1016/j.scitotenv.2016.08.021

Rodríguez-Lozano, P., Verkaik, I, Rieradevall, M., Prat, N. 2015. *Small but powerful: top predator local extinction affects ecosystem structure and function in an intermittent stream*. PLoS ONE, 10. Doi: 10.1371/journal.pone.0117630

C.2. Congress

Rodríguez-Lozano, P., Rotger-Pujadas, C., García, C. (2023). *How non-perennial streams are depicted by mass media? The influence of a catastrophic flood*. Oral communication. ASLO Aquatic Sciences Meeting. Palma (España).

Rodríguez-Lozano, P., García, C. (2021) *Stakeholders' perceptions around non-perennial streams: the Balearic islands as a case study.* Oral communication. U.S.A. Virtual conference. July 2021. Society for Freshwater Science Annual Meeting. *Invited communication

Rodríguez-Lozano, P., García, C. (2021). *From flood risk to recreation: stakeholders' perceptions and interests around the non-perennial streams of the Balearic islands*. Oral communication. Virtual conference. July 2021. ASLO Aquatic Sciences Meeting.

Rodríguez-Lozano, P., García, C. (2020) *Perceptions and values around the non-perennial streams of the Balearic Islands*. Oral communication. Murcia (Spain). Virtual conference. October 2020. XX Congress of the Iberian Association of Limnology.

Rodríguez-Lozano, P., Woelfle-Erskine, C., Bogan, M.T., Carlson, S.M. (2019) *Are non-perennial streams considered equally valuable and worthy of conservation as perennial streams?* Oral communication. Salt Lake City (Utah, U.S.A.). May 2019. Society for Freshwater Science Annual Meeting.

Rodríguez-Lozano, P., Leidy, R.A., Moidu, H., & Carlson, S.M. (2018) *Non-lethal fish responses to flow intermittency*. Oral communication. Davis (California, U.S.A.). October 2018. 25th Annual Meeting of the California Aquatic Bioassessment Workgroup.

Rodríguez- Lozano, P., Wingenroth, J., Carlson, S.M. (2018) *Fish ecology and conservation in intermittent rivers: major advances and knowledge gaps*. Oral communication. Detroit (Michigan, U.S.A.). May 2018. Society for Freshwater Science Annual Meeting.

Rodríguez-Lozano, P., Wingenroth, J. M., Prat, N., & Carlson, S.M. (2017). *The role of fish in the food webs of intermittent streams.* Oral communication. Eureka (California, U.S.A.), April 2017. Cal-Neva Chapter of the American Fisheries Society 51st Annual Meeting.

Rodríguez-Lozano, P., Rieradevall, M., Rau, M.A., Prat, N. (2014) *Wildfire long-term consequences on leaf litter breakdown in streams*. Oral communication. Portland (Oregon, U.S.A.). May 2014. Joint Aquatic Science Meeting. *Invited communication

Rodríguez-Lozano, P., Verkaik, I., Rieradevall, M., Prat, N. (2012) *Fish autocracy: power loss of macroinvertebrate and algal demos after barbel reintroduction*. Oral communication. Louisville (Kentucky, U.S.A.). May 2012. Society for Freshwater Science Annual Meeting.

C.3. Research projects

2023-26. SALBIA-SOC. Assessing the impacts of salinization on the River Gambia: local communities and adaptation strategies. (PID2022-140848NA-C33). Spanish Ministry of Science & Innovation. **PI: Pablo Rodríguez-Lozano**. 100.000,00€.

2023-28. NATALIE. Accelerating and mainstreaming transformative NATure-bAsed solutions to enhance resiLIEence to climate change for diverse bio-geographical European regions. (101112859). H2020. HORIZON-MISS-2022-CLIMA-01. PI: J.C. Santamarta. 15.033.486,25€.

2023-24. El valor ecológico de los torrentes de Menorca: El valor ecológico de los torrentes de Menorca. Reserva de la Biosfera de Menorca: biodiversidad de macroinvertebrados, estado ecológico y prioridades de conservación (MacMe). Reserva de la Biosfera de Menorca, Consell de Menorca. **PI: Pablo Rodríguez-Lozano.** 4999,27€

2022-26. DRY-Guadalmed. Advanced tools for the assessment of the ecological status of Mediterranean temporary rivers during the dry phase: Dry-phase indicators for ecological status. (PID2021-126143OB-C22). Spanish Ministry of Science & Innovation. PI: M.M. Sánchez-Montoya.

2022-24. UNDAMMED. The role of dam removal on the restoration of morpho-sedimentary equilibrium and carbon fluxes in river networks. (TED2021-130815BC31). Spanish Ministry of Science and Innovation. PI: R. Marcé.

2021-24. CAUDALES MENORCA. Caudales ambientales de los torrentes de la isla de Menorca. (PDR2020/38). Govern de les Illes Balears. **PI: Pablo Rodríguez-Lozano**. 114.683,60€.

2021-24. Análisis de un imaginario colectivo: la percepción social sobre los torrentes de Menorca. Institut d'Estudis Menorquí. **PI: Pablo Rodríguez-Lozano**. 4.401,74€.

2020-22. Sustainable solutions for flood risk management in river basins sensitive to the effects of climate change. Pyrenees-Mediterranean Euroregion. PI: L. Proia. 20.000€.

2016-20. SMIRES COST Action. Science and Management of Intermittent Rivers & Ephemeral Streams (CA15113). EU Framework Programme Horizon 2020. PI: T. Datry. 600k€.

2014-18. LIFE TRIVERS. Implementing the Water Framework Directive to temporary rivers: tools for the assessment of their ecological status. LIFE13 ENV/ES/000341. European Commission. LIFE Programm. PI: N. Prat. 1.407.943€.

C.4. Contracts, technological or transfer merits

2024. MUAC. Augmented Ecofeminisms: Women, Water and Climate Emergency. Spanish Ministry of Equality. PI: A. Pastor.

2023-24. El mar empieza en los Pirineos: aplicando la ciencia ciudadana en el ámbito escolar para conocer la contaminación por plásticos en nuestros ríos y su transporte hacia el mar (FCT-21-17289). FECYT (Spain). PI: Mireia Aguilera Rodà.

2021-23. Scientific School Calendar 2022 & 2023 (FCT-20-15288, FCT-21-17253). FECYT. IP: P.Toral. Link

2021-22. Exhibition "Las mujeres en la Limnología", Museo de la Ciencia y el Agua (Murcia) Link

2020-21. Asesoramiento técnico y transferencia de conocimiento en materia de sostenibilidad y de estimación de la huella de carbono en las instalaciones vinculadas al ciclo integral del agua en las Islas Baleares. ABAQUA. PI: J.C. Santamarta C. García. 9.021,18€.

2020-21. Gender LimnoEdu - Meet the women in Limnology: developing teaching resources for university. European Geophysical Union. IP: M.M. Sánzhez-Montoya. Link

2020. Environmental impacts of animal farming. Fundación Franz Weber. PI: Pablo Rodríguez-Lozano.

2019. El Batec dels Rius. Fundación CSIC. The transfer knowledge project collaborates with several Town Halls. IP: A. Lupon. Link

CV Date	11/08/2023

Part A. PERSONAL INFORMATION

First Name *	Miguel		
Family Name *	Cañedo-Argüelles Iglesias		
Sex *	Male	Date of Birth *	28/11/1981
ID number Social Security, Passport *	53547569G	Phone Number *	(0034) 934021509
URL Web	https://www.idaea.csic.es/person/miguel-canedo-arguelles-iglesias/		
Email Address	mcanedo.fem@gmail.com		
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0003-3864-7451	
	Researcher ID	ResearcherID L-6365-2014	
	Scopus Author ID	Scopus Author ID 34867841600	

* Mandatory

A.1. Current position

Job Title	Research Fellow (Ramón y Cajal)		
Starting date	2022		
Institution	INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA		
Department / Centre			
Country	Spain	Phone Number	(34) 934 00 61 00
Keywords	Aquatic environment; Ecosystem; Water protection; Ecotoxicology; Anthropogenic impact on ecosystems; Fresh water ecosystems; Water treatment; Water analysis; Aquatic ecology; Water pollution		

A.2. Previous positions

Period	Job Title / Name of Employer / Country
2020 - 2022	Tenure-eligible lecturer (Serra Húnter fellow) / Universitat de Barcelona
2020 - 2020	Adjunt professor / Universitat de Barcelona
2017 - 2020	Postdoctoral researcher / Universitat de Barcelona
2014 - 2016	Marie Curie fellow / FUNDACIO UNIVERSITARIA BALMES DE VIC
2014 - 2014	Adjunt professor / FUNDACIO UNIVERSITARIA BALMES DE VIC
2012 - 2014	Fulbright fellow / Oregon State University
2011 - 2012	Contracted researcher / Universitat de Barcelona
2010 - 2011	Adjunt professor / Universitat de Barcelona
2010 - 2011	Contracted researcher / Universidade do Algarve
2004 - 2010	Research contract / Universitat de Barcelona

A.3. Education

Degree/Master/PhD	University / Country	Year
Ecology	University of Barcelona	2009
Bachelor's degree in Environmental Sciences	University of Salamanca	2003

A.4. General quality indicators of scientific production

I have **published** 76 JRC articles in 41 different journals. I am the first author of 20 and the last author of 11 of those articles. My papers have been cited 2391 times and my h-index is 26 according to Scopus. Additionally, I have published 2 books and 7 book chapters. Fourty-one of my articles are published in journals belonging to the first quartile, including multidisciplinary journals like Nature, Science, Trends in Ecology & Evolution, Proceedings of the National Academy of Sciences, Frontiers in the Ecology and the Environment and BioScience. My publications have attracted considerable scientific attention. For example, my 2016 article in Science is in the top 5% of all research outputs ever tracked by Altmetric, my 2013 article in Environmental Pollution was acknowledged as highly cited in the field of Environmental Sciences according to the Web of Science (i.e. it performed in the top 1%) and I was the most published author in Philosophical Transactions of the Royal Society B in 2018. Also, my paper in Global Ecology and Biogeography was awarded as the best publication for the period 2018-2021 by the Argentine Association of Limnology and my paper in Journal of Biogeography was awarded as a top cited paper by Wiley for the period 2020-2021.

I have participated in 27 R&D **projects** funded through competitive calls of public or private entities (leading 10), 9 R&D non-competitive contracts (leading 5) and I have directly secured 1.45 million euros in research funds as a principal investigator and/or scientific coordinator. Also, I serve as a Senior Advisor to the Spanish Government on biomonitoring climate change and pollution in rivers and streams through the public corporation Tragsatec. I obtained 3 highly competitive fellowships (Ramón y Cajal, Fulbright and Marie Curie). I have coordinated mesocosm experiments and field campaigns in Iceland, Spain and USA. I have **supervised** 1 PhD student (+ 4 more on-going), 4 postdoc researchers, 16 master theses and 7 undergraduate dissertations. Three of my students were awarded for their research projects: David Pineda (best master thesis of the University of Barcelona), Daniel Torres (best BsC dissertation of the University of Vic in 2016) and Miquel Sala (II Earth & Torres award on innovation). I have been a committee member of 12 PhD defences.

I have given 5 **plenary** and 9 **invited/keynote talks**, been a member of 9 scientific committees and chaired 11 special sessions at international conferences. I serve as an academic **editor** for Plos One and I have served as guest editor for 5 different journals (Philosophical Transactions of the Royal Society B, Limnology and Oceanography Letters, Frontiers Ecology and Evolution, Frontiers in Marine Science and Hydrobiologia). I have **reviewed** 176 articles for 44 different journals (e.g. Global Change Biology, Scientific Reports, Nature Geoscience, Ecography) and in 2017 I was awarded by Publons as the third best reviewer from the University of Barcelona. I am a member of the Gender and Science Commission of the Iberian Limnological Society and I served as the representative of early career researchers in the European Federation for Freshwater Sciences. I created and chaired a Global Interest Group on Freshwater Salinization.

Part B. CV SUMMARY

I obtained my PhD from the **University of Barcelona** in 2009, focusing on the ecology and management of coastal ecosystems and publishing 7 JRC articles. During that period, I did a research stay at the **University of Algarve** (Portugal), where I later (2010-2011) worked on integrated coastal management as a contracted researcher. Then (2011-2012) I came back to the University of Barcelona as an adjunct professor and a contracted researcher and I became interested on freshwater salinization. I coordinated several mesocosm experiments and published 3 JRC articles, including a review acknowledged as highly cited by the Web of Science. Then I was awarded with a Fulbright Fellowship at the **Oregon State University** (2012-2014) to assess the impacts of climate change on stream biodiversity. There, I started my own research line on metacommunity ecology (publishing 2 JRC articles) and continued my research on freshwater salinization (e.g. I created Global Interest Group at the Society of Environmental Toxicology and Chemistry). By then, I already had a strong and wide scientific network and I had gained international recognition. This allowed me to obtain a Marie Curie Fellowship at the **University of Vic** (2014-2016), where I created a research line on freshwater salinization. I coordinated several experiments, supervised students and led my own research projects. This resulted in 5 JRC articles, including 1 published in the

policy forum section of Science. After that (2016 present) I came back to the University of Barcelona, where I worked as a contracted researcher and an adjunct professor, and I was finally hired as a tenure-eligible lecturer professor within the Serra-Hunter talent attraction programme. During this period, I started a research line on biodiversity conservation planning, and I gained research independency (e.g. leading research projects, supervising students) and international reputation (e.g. plenary/invited talks, editorial activity, scientific advisory boards, media interviews). In 2021 I was awarded a Ramón y Cajal Fellowship by the Spanish Government and I joined the **Institute of Environmental Assessment and Water Research** (IDAEA-CSIC) in May 2022, where I have recently obtained a permanent position (starting next year) through a public examination process.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

1 **Scientific paper**. Haase, P.; Bowler, D.E.; Cañedo-Argüelles, M.; et al.2023. The recovery of European freshwater biodiversity has come to a halt. NATURE.
2 **Scientific paper**. Nava, V.; Chandra, S.; Cañedo-Argüelles, M.; et al.2023. Plastic debris in lakes and reservoirs. NATURE. 69, pp.317-322.
3 **Scientific paper**. Cunillera-Montcusí, D.; Fernández-Calero, J. M.; Pölsterl, S.; Argelich, R.; Fortuño, P.; Cid, N.; Bonada, N.; Cañedo-Argüelles, M.2023. Navigating through space and time: A methodological approach to quantify spatiotemporal connectivity using stream flow data as a case study. METHODS IN ECOLOGY AND EVOLUTION. 14, pp.1780-1795.
4 **Scientific paper**. Melles, S.J.; Cañedo-Argüelles, M.; Derry, A.M.2023. Documenting the impacts of increasing salinity in freshwater and coastal ecosystems: Introduction to the special issue. LIMNOLOGY AND OCEANOGRAPHY LETTERS. 8-1, pp.1-7.
5 **Scientific paper**. Hintz, W.; Arnott, S.; Symons, C.; et al; Weyhenmeyer, G.2022. Current water quality guidelines across North America and Europe do not protect lakes from salinization. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA.
6 **Scientific paper**. Cunillera-Montcusí, D.; Beklioğlu, M.; Cañedo-Argüelles, M.; et al; Matias, M.2022. Freshwater salinisation: a research agenda for a saltier world. TRENDS IN ECOLOGY & EVOLUTION.
7 **Scientific paper**. Cid, N.; Erős, T.; Heino, J.; et al; Datry, T.2021. From meta-system theory to the sustainable management of rivers in the Anthropocene. FRONTIERS IN ECOLOGY AND THE ENVIRONMENT. 20-1, pp.49-57.
8 **Scientific paper**. Epele, L.B.; Grech, M.G.; Manzo, L.M.; Macchi, P.A.; Hermoso, V.; Miserendino, M.L.; Bonada N.; Cañedo-Argüelles M.2021. Identifying high priority conservation areas for Patagonian wetlands biodiversity. BIODIVERSITY AND CONSERVATION. 30-5, pp.1-16.
9 **Scientific paper**. Sarremejane, R.; Cid, N.; Stubbington, R.; et al; Bonada, N.2020. DISPERSE, a trait database to assess the dispersal potential of European aquatic macroinvertebrates. SCIENTIFIC DATA. 7-1, pp.1-9.
10 **Scientific paper**. Cañedo-Argüelles, M.; Gutiérrez-Cánovas, C.; Acosta, R.; et al; Bonada, N.2020. As time goes by: 20 years of changes in the aquatic macroinvertebrate metacommunity of Mediterranean river networks. JOURNAL OF BIOGEOGRAPHY. 47-9, pp.1861-1874.
11 **Scientific paper**. Cid, N.; Bonada, N.; Heino, J.; et al; Datry, T.2020. A Metacommunity Approach to Improve Biological Assessments in Highly Dynamic Freshwater Ecosystems. BIOSCIENCE. 70-5, pp.427-438.
12 **Scientific paper**. Cañedo-Argüelles, M.; Kefford, B.; Schäfer, R.(1/3). 2019. Salt in freshwaters: causes, effects and prospects - introduction to the theme issue. PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B. 374-1764, pp.201800.

13 **Scientific paper**. Cañedo-Argüelles, M.; Hawkins, C. P.; Kefford, B. J.; et al; Timpano, A. J.2016. Saving freshwater from salts. SCIENCE. 351-6276, pp.914-916.
14 **Scientific paper**. Cañedo-Argüelles, M.; Phillipsen, I.; Schriever, T.; Bogan, M.; Boersma, K.; Olden, J.; Lytle, D.(1/7). 2015. Dispersal strength determines meta-community structure in a dendritic riverine network. JOURNAL OF BIOGEOGRAPHY. 42-4, pp.778-790.
15 **Scientific paper**. Cañedo-Argüelles, M.; Bundschuh, M.; Gutíerrez-Cánovas, C.; Kefford, B.; Prat, N.; Trobajo, R.; Schafer, R.2014. Effects of repeated salt pulses on ecosystem structure and functions in a stream mesocosm. SCIENCE OF THE TOTAL ENVIRONMENT. 476, pp.634-642.
16 **Scientific paper**. Cañedo-Argüelles, M.; Kefford, B.; Piscart, C.; Prat, N.; Schafer, R.; Schulz, C-J.2013. Salinisation of rivers: An urgent ecological issue. ENVIRONMENTAL POLLUTION. 196, pp.157-167.

C.2. Conferences and meetings

1 Freshwater salinisation: a global challenge with multiple causes and drastic consequences. EGU 21. European Geosciences Union. 2021. Participatory - invited/keynote talk.
2 Identification of priority sites for river conservation and restoration: public participation and systematic planning as key tools. III Iberian Congress on River restoration. CIREF. 2019. Spain. Participatory - Plenary session.
3 Emerging questions on freshwater salinization. XIX Conference of the Iberian Association of Limnology. Iberian Association of Limnology. 2018. Portugal. Participatory - Plenary session. Conference.
4 Cañedo-Argüelles, M.. The long road from science to management. VII Congreso Argentino de Limnología. Argentine Limnological Society. 2016. Argentina. Participatory - Plenary session.
5 Cañedo-Argüelles, M.. Saving Freshwaters from Salts. Society for Freshwater Science Meeting. Society for Freshwater Science. 2016. United States of America. Participatory - invited/keynote talk.

C.3. Research projects and contracts

1 **Project**. Ecology and management of aquatic ecosystems. Ministerio de Ciencia e Innovación (Ramón y Cajal). Cañedo-Argüelles, M.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 01/05/2022-01/05/2027. 322.250 €. Principal investigator.
2 **Project**. Conservation of aquatic biodiversity in the National Parks of the Canary Islands in a context of water stress and invasive species. Spanish Network of National Parks. Cañedo-Argüelles, M.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 21/12/2022-21/01/2025. 83.300 €. Principal investigator.
3 **Project**. Aquatic macroinvertebrates as climate change indicators for rivers (MACROCLIM). Ministerio de Ciencia e Innovación. Cañedo-Argüelles, M.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 20/12/2022-21/12/2024. 133.400 €. Principal investigator.
4 **Project**. A GLOBal analysis of the impacts of freshwater SALinizaTion on aquatic biodiversity (GLOBSALT). Consejo Superior de Investigaciones Científicas. Cañedo-Argüelles, M.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 05/12/2022-05/12/2024. 11.000 €. Principal investigator.
5 **Project**. Distribution and vulnerability to climate change of the aquatic macroinvertebrate communities of the Canary Islands (BIOACUANA). Banco Bilbao Vizcaya Argentaria. Arribas, P.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 22/07/2022-22/07/2024. 124.597 €. Principal investigator.
6 **Project**. Analysis of the interactive effect of pesticides and salinity on biodiversity associated with rice fields in the Ebro Delta using birds and chironomids as indicator organisms. INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA. Cañedo-Argüelles, M.(INSTITUTO DE DIAGNOSTICO AMBIENTAL Y ESTUDIOS DEL AGUA). 12/07/2022-12/07/2024. 30.000 €. Principal investigator.

7 **Project**. Senior expert advisory committee in applied limnology for setting reference conditions of rivers and lakes and developing climate change indicators. Grupo Tragsa. Cañedo-Argüelles, M.(Grupo Tragsa). 01/07/2019-01/07/2023. 35.489,85 €. Principal investigator.

8 **Project**. MECODISPER: Advances in the ecology of metacommunities in intermittent rivers for the improvement of their conservation and management. Ministerio de Economía, Industria y Competitividad. Cañedo-Argüelles, M.(Universitat de Barcelona). 01/09/2018-01/09/2022. 175.000 €. Team member. I co-designed this project and served as co-PI, but it could not be officially recognized because my contract was shorter than the duration of the project. I have a document certifying this signed by...

9 **Project**. RIVERS OF SALT: Advancing towards a better management of salt-rich effluents. European Union (Marie Curie). (FUNDACIO UNIVERSITARIA BALMES DE VIC). 15/11/2014-15/11/2016. 125.750 €. Principal investigator.

10 **Contract**. Development of environmental management strategies and ecotoxicological studies in Cobre Panamá Cobre Panamá. Cañedo-Argüelles, M.15/03/2023-15/03/2024. 104.940 €.

11 **Contract**. Selection of water bodies for the implementation of environmental flows in Spain Grupo Tragsa. Cañedo-Argüelles, M.01/10/2020-30/11/2020. 1.060 €.

12 **Contract**. Improving the ecological connectivity of the Natura 2000 protected areas network World Wildlife Fund (WWF, Spain). Cañedo-Argüelles, M.01/07/2020-31/10/2020. 17.500 €.

13 **Contract**. Toxicity of salt mining effluents to aquatic life EcoRing. Cañedo-Argüelles, M.29/07/2016-28/12/2016. 21.000 €.