

GUILLERMO DE MENDOZA

RESEARCH UNIT	OFFICE ADDRESS	E-MAIL ADDRESSES
Institute of Geography, Environmental Change Reconstruction Lab	Jana Bażyńskiego 4 80-309 Gdańsk Office B428	gdemendoza.eco@gmail.com guillermo.de.mendoza@ug.edu.pl

EDUCATION

- 2002 – 2013** **University of Barcelona, Spain**
PhD in Ecology
Lake macroinvertebrates and the altitudinal gradient in the Pyrenees
- 2000 – 2002** **University of Barcelona, Spain**
MSc in Ecology
Análisis de la distribución de tricópteros en lagos pirenaicos [Analysis of the distribution of caddisflies in the lakes of the Pyrenees]
- 1995 – 2000** **Autonomous University of Madrid, Spain**
BSc in Biological Sciences (specialized in Environmental Biology)
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WORK EXPERIENCE

- 2021 – now** **Environmental Change Reconstruction Laboratory, Univ. Gdańsk, Poland**
Visiting scientist
- 2018 – 2020** **Dept. Environmental Science, Policy, and Management, UC Berkeley, USA**
Postdoctoral researcher
- 2016 – 2018** **GEODE, French National Centre for Scientific Research (CNRS), France**
Postdoctoral researcher
- 2014 – 2017** **Catalunya-La Pedrera Foundation, Spain**
Research tutor (for high-school students)
- 2013 – 2017** **CEAB, Spanish National Research Council (CSIC), Spain**
Affiliated researcher
- 2009 – 2013** **CEAB, Spanish National Research Council (CSIC), Spain**
Research technician
- 2005 – 2009** **CEAB, Spanish National Research Council (CSIC), Spain**
Research scholarship
- 2001 – 2005** **Dept. Ecology, University of Barcelona, Spain**
Research scholarship
- 1999 – 2000** **Dept. Ecology, Autonomous University of Madrid, Spain**
Research scholarship
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AWARDED SCHOLARSHIPS AND FUNDS

- 2021 – now** **Visiting scientist scholarship at University of Gdańsk, Poland**
(NAWA PPN/ULM/2020/1/00092)
- 2005 – 2009** **Student scholarship at CEAB, Spanish Natl. Research Council (CSIC), Spain**
(Scholarship linked to the project GOCE-CT-2003-505540)
- 2004** **Funded FPI short-term stay at University College London, United Kingdom**
(Spanish Government, MCYT, BOE-A-2004-12127)
- 2001 – 2005** **Student scholarship (FPI) at Dept. Ecology, University of Barcelona, Spain**
(Spanish Government, MCYT, BOE-A-2001-13613)
- 1999 – 2000** **Student scholarship at Dept. Ecology, Autonomous Univ. of Madrid, Spain**
(Spanish Government, MEC, BOE-A-2000-6160)

RESEARCH PROJECTS

- 2021 – now** **Holocene temperature reconstruction in northern Poland using varved sediments and lake midges**
Polish National Agency for Academic Exchange, PPN/ULM/2020/1/00092
Role: Principal Investigator (scholarship) at University of Gdańsk (Poland)
- 2020** **Insects of the forest–tundra ecotone**
Norwegian Biodiversity Information Centre
Role: Participant (PI: Dr. Tommi Nyman, NIBIO, Norway)
- 2019 – now** **High mountain aquatic ecosystems: hidden biodiversity shelters and sentinels of global change**
Spanish Government, National Park Network Program, 2413/2017
Role: Participant (PI: Dr. Marc Ventura, CSIC, Spain)
- 2019 – now** **Scaling climate, connectivity, and communities in streams**
US National Science Foundation, NSF 1802714
Role: Participant (PI: Prof. Albert Ruhi, UC Berkeley, USA)
- 2019 – now** **Towards a mechanistic understanding of the multi-scale effects of drought on riverine biodiversity**
2018-2019 CIWR Water Research Program
Role: Co-leader (PI: Prof. Albert Ruhi, UC Berkeley, USA)
- 2017** **Launching of the Observatory OHM Patagonia-Bahia Exploradores**
French National Centre for Scientific Research (CNRS)
Role: Participant (Director: Dr. Alejandro Salazar-Burrows, Pontificia Universidad Católica de Chile; co-director: Dr. Didier Galop, CNRS, France)
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- 2017 – 2018** **REPLIM (Interreg POCTEFA) Network of observatories of ecosystems (lakes, peatbogs) sensitive to climate change in the Pyrenees**
European Union, Interreg Programme
Role: Participant (PI: Prof. Blas L. Valero-Garcés, CSIC, Spain)
- 2017 – 2018** **CultiLac (“Lake farming”: history and impact of fish introductions in Pyrenean lakes during the Anthropocene)**
French National Centre for Scientific Research (CNRS)
Role: Participant (PI: Dr. Didier Galop, CNRS, France)
- 2016 – 2018** **ROCEPAL 2 (retro-observation, evaluation, and impact of environmental changes in the central Pyrenees from lake sediment records 2: Ecotoxicology of high altitude lakes)**
Adour Garonne Water Agency & French National Centre for Sci. Res. (CNRS)
Role: Participant (PI: Dr. Didier Galop, CNRS, France)
- 2016 – 2018** **History and socio-ecological consequences of alien fish introduction in high mountain lakes in the Pyrenees (Vicdessos and Pau valleys), France**
Pyrénées National Park & French National Centre for Sci. Res. (CNRS)
Role: Participant (PI: Dr. Didier Galop, CNRS, France)
- 2014 – 2018** **LIFE LimnoPirineus – Restoration of lentic habitats and aquatic species of Community interest in high mountains of the Pyrenees**
European Union, LIFE programme, LIFE13 NAT/ES/001210
Role: Participant (PI: Dr. Marc Ventura, CSIC, Spain)
- 2014 – 2017** **Water as habitat and resource: organisms also speak! (2014-2015) / Mountain aquatic ecosystems, bioindicator organisms (2015-2017)**
Catalunya-La Pedrera Foundation (Spain), Youth and Science Programme
Role: Co-leader (Project co-led with Dr. Esperança Gacia (2014-2017), Dr. Cristina Pulido (2014-2016), Dr. Eglantine Chappuis (2015-2016), Dr. Ada Pastor (2015-2017), Dr. Miquel Ribot (2016-2017), Pau Giménez (2016-2017), Dr. Marc Ventura (2016-2017) and Dr. Raul Bardají (2016-2017))
- 2014 – 2017** **LACUS (The lake district concept in the ecological understanding of high mountains)**
Spanish Government, I+D National Plan, CGL2013- 45348-P
Role: Participant (PI: Prof. Jordi Catalan, CSIC, Spain)
- 2014** **Eth Holet (App for Android, HTML5 and iOS), developed for Vielha & Mijaran town council (Spain)**
European Union, Interreg B IV Sudoe Territorial Cooperation Programme
Role: Participant (PI: Dr. Lluís Camerero, CSIC, Spain)
- 2014** **Adaptation to different salinity conditions in marine osmoconformers: the lagoon cockle *Cerastoderma glaucum* as a case study**
National Science Centre (Poland), NCN PRELUDIUM 2014/15/N/NZ8/00330
Some funding anticipated by University of Gdańsk (Poland) for field tasks
Role: Participant (PI: Ludmiła Sromek, University of Gdańsk, Poland & University of Nice Sophia Antipolis, France)
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- 2012 – 2014** **Aquatic macroinvertebrates of Garrotxa. Faunistic list and considerations on their use as bioindicators, and on their ecology and distribution**
Olot town council (Spain)
Role: Participant (PI: Romero Roig, freelance)
- 2010** **Global Biodiversity Information Facility (GBIF), collection ‘Macroinvertebrates from Pyrenean lakes’**
International open data infrastructure, funded by governments
Role: Preparator (Administrative Contact: Prof. Jordi Catalan, CSIC, Spain)
- 2009 – 2011** **Sampling of macroinvertebrates and diatoms, and calculation of IBMWP, QBR and IHF indices in Foix, Anoia and Llobregat catchments**
Catalan Water Agency (ACA) & HQA S.L. (Spain). HQA S.L. project codes: CTN0803250 (2009), CTN1000327 (2010), and CTN1002657 (2011)
Role: Participant (Project managers (hired by HQA S.L.): Belén García (freelance, 2009) and Romero Roig (freelance, 2010-2011))
- 2009 – 2013** **GRACCIE (Multidisciplinary research consortium on GRadual and Abrupt Climate Changes and their Impacts on the Environment)**
Spanish Govnmt., CONSOLIDER-INGENIO 2010 programme, CSD2007-00067
Role: Participant (PI: Prof. Joan O. Grimalt, CSIC, Spain)
- 2005 – 2009** **EURO-LIMPACS (Integrated project to evaluate impacts of global change on european freshwater ecosystems)**
EU 6th Research Framework Programme, GOCE-CT-2003-505540
Role: Participant (Project Coordinator: Dr. Simon Patrick, University College London, UK; Responsible Scientist at CSIC: Prof. Jordi Catalan, CSIC, Spain)
- 2004 – 2007** **Multiple tracers for the study of the structure and functioning of freshwater food web: implementation in lakes**
Spanish Government, I+D National Plan, CGL2004-02989
Role: Participant (PI: Prof. Jordi Catalan, CSIC, Spain)
- 2003 – 2007** **Ecological quality control of Nere and Noguera Ribagorçana headwaters affected by the construction of a new road tunnel in Vielha (Spain)**
General Council of Aran (Spain)
Role: Participant (PI: Dr. Lluís Camarero, CSIC, Spain)
- 2003 – 2006** **Hydrological and biogeochemical study of the water network at Sant Nicolau valley (Aigüestortes i E.S. Maurici National Park, Spain): implications on lake ecosystems y application to the determination of ecological flows**
Spanish Government, National Park Network Program, 044/2002
Role: Participant (PI: Dr. Lluís Camarero, CSIC, Spain)
- 2001 – 2004** **Mountain lake systems as observatories of climate change and its effects on areas of natural interest**
Spanish Govnmt., Nat. Resources Natl. Program, CICYT REN2000-0889/GLO
Role: Participant (PI: Dr. Jordi Catalan, University of Barcelona, Spain)
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2000 – 2003	EMERGE (European Mountain lake Ecosystems: Regionalisation, diagnosis and socio-economic Evaluation) European Union, Framework Programme 5, EVK1-CT-1999-00032 Role: Participant (PI: Dr. Jordi Catalan, University of Barcelona, Spain)
2000	Characterization and cartography of humid zones in Huelva, Sevilla, Córdoba, Jaén and Granada provinces: integration in the Environmental Information System of Andalucía (Spain) Junta de Andalucía (Spain) Role: Participant (PI: Prof. Carlos Montes, Autonomous Univ. Madrid, Spain)
1999	Evaluation of ecological impacts and fishery management of <i>Procambarus clarkii</i> in the aquatic ecosystems of Doñana National Park and Doñana Natural Area (Spain) Junta de Andalucía (Spain) Role: Participant (PI: Prof. Carlos Montes, Autonomous Univ. Madrid, Spain)
1998	Summer Student Project (participation in various research projects) at Doñana Biological Station (EBD), Spain Spanish National Research Council (CSIC) Role: Participant (EBD Director: Dr. Miguel Angel Ferrer Baena, CSIC, Spain)
1997 – 1998	Madrid Ornithological Yearbooks 1997 and 1998 Ornithological group SEO/Monticola (Spain) Role: Participant (Coordination: Ornithological group SEO/Monticola, Spain)
1996, 1999	SACRE (Monitoring Common Breeding Birds in Spain) Spanish Ornithological Society (SEO) Role: Participant (Coordinator: Spanish Ornithological Society (SEO))

PROFFESIONAL MEMBERSHIPS

- **Association for the Sciences of Limnology and Oceanography (ASLO)**, since 2015
 - **Ecological Society of America (ESA)**, since 2010
 - **Society for Freshwater Science (SFS)**, since 2005
 - **Iberian Association of Limnology (AIL)**, since 2005
 - **Spanish Ornithological Society (SEO)**, from 1997 to 2008
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OTHER INFORMATION

Referee for journals (52 submitted reviews, for 24 journals)

<https://publons.com/researcher/1361612/guillermo-de-mendoza/peer-review/>

From 2008 to 2014*, Teaching Assistant (MSc “*Global Change*”) at International University Menéndez Pelayo (UIMP) and Spanish National Research Council (CSIC). Subject: ‘*Footprint and perspectives of global change in mountain ecosystems*’ (*course subject cancelled in the academic year 2012-2013; re-established in the academic year 2013-2014)

From 2007 to 2012, Teaching Assistant and Field Instructor (MSc “*Fundamental and Applied Ecology*”) at University of Barcelona, with the cooperation of University of Girona, and Spanish National Research Council. Subject: ‘*Limnology of high mountain lakes*’

Member of PhD monitoring committees (1 time, at University of Toulouse – Jean Jaurès, France)

Member of examining board of PhD theses (2 times, as substitute, at University of Barcelona, Spain)

Co-organizer and moderator at the Society for Freshwater Science (SFS) 2019 Annual Meeting, Salt Lake City (Utah, USA), May 19-23, 2019. Special Session S15: *“Towards a predictive understanding of metacommunity dynamics in freshwater ecosystems”*

Moderator at the 20th Annual Bay Area Conservation Biology Symposium (BACBS 2019), Berkeley (California, USA), April 27, 2019. Sessions *“Global Change”* and *“Community Ecology”*

Collaborator of the Organizing Committee at the III Iberian Congress on Cyanotoxins, CEAB-CSIC, Blanes (Spain), July 10-12, 2013

From 2002 to 2007, co-organizer and moderator of the CEAB Weekly Seminar Series, Blanes (Spain)

35 conference and meeting presentations, either as presenting author (24) or as co-author (11), at different national or international events held in Spain (12), France (6), USA (5), Portugal (3), UK (2), Czech Republic (1), Germany (1), Italy (1), Poland (1), and Romania (1), or presented virtually (2)

14 additional seminars and lectures delivered at Blanes (8), Toulouse (2), Barcelona (1), Berkeley (1), Gdynia (1), and Madrid (1)

17 short courses taken at Berkeley (5), Blanes (4), Madrid (3), Barcelona (2), London (2), and Santa Susanna (1)

Mentoring of undergraduate students (7), graduate students (5), and research technicians (1), at University of California Berkeley (6), University of Gdansk (5), and CNRS / University of Toulouse – Jean Jaurès (2)

Research supervisor as Qualified Scientist, and Adult Sponsor, of 1 high-school student research project at the Intel International Science and Engineering Fair 2016 (May 8-16, Phoenix, Arizona, USA)

Middle-school assistant instructor at Príncipe de Asturias Public School (Madrid, Spain), in 1997

High-school degree graduation obtained at Linfield School (Temecula, California, USA), in 1995

Languages spoken: Spanish, Catalan, English and French
