

# Curriculum Vitae

**Name** Dr David X Soto  
**Current Position** Scientific Head of the Stable Isotope Laboratory (at the Leibniz-IZW)



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## Education

2011 PhD (Ecology) at University of Barcelona, Spain  
2008 MSc (Diploma of Advanced Studies) at University of Barcelona, Spain  
1999-2004 Biology at Autonomous University of Madrid, Spain

## Research Experience

Since 2023 Scientific Head of the Stable Isotope Laboratory at Leibniz-IZW, Germany  
Since 2023 Research Scientist at Leibniz-IZW, Germany  
2023 Researcher at University of Oviedo, Oviedo, Spain  
2021 - 2022 Consultant & Isotope Hydrologist at the International Atomic Energy Agency (IAEA), Vienna, Austria  
2019 - 2021 Technical Manager at the National Environmental Isotope Facility, Centre for Ecology and Hydrology, Lancaster, UK  
2014 - 2020 Honorary Research Associate at the Canadian Rivers Institute, University of New Brunswick, Fredericton, Canada  
2016 - 2019 MSCA fellow and postdoc at KU Leuven, Leuven, Belgium  
2014 - 2016 NSERC visiting fellow at Environment Canada, Saskatoon, Canada  
2015 - 2016 Research Scientist at Leibniz-IZW, Germany  
2012 - 2014 Science Manager and postdoc at the Canadian Rivers Institute, University of New Brunswick, Fredericton, Canada  
2010 - 2012 Visiting PhD student at Environment Canada, Saskatoon, Canada  
2006 - 2011 Researcher at the Center for Advanced Studies of Blanes, Spanish National Research Council (CSIC), Blanes, Spain  
2003 - 2004 Research collaboration fellow at Autonomous University of Madrid, Spain

## Funding

2018 - 2019 BES Research Grant funded by British Ecological Society  
2016 - 2018 AQUAHYDRO funded by Marie Skłodowska-Curie Actions - EU (172 800 €)  
2012 - 2013 FSBI Grant funded by the Fisheries Society of the British Isles

## Professional Activities and Memberships

Since 2017 Associate Editor for Methods in Ecology and Evolution  
Since 2022 Associate Editor for Isotopes in Environmental and Health Studies  
2015 - 2021 Co-organizer of six international topical conference sessions  
2022 Co-organizer of one international topical conference (ISOECOL)  
2024 Lead organizer of International Summer Course on Stable Isotopes in Nature  
Since 2017 Technical Expert and Consultant to IAEA expert missions

## Honors and Recognitions

2026	Invited keynote talk: Food webs in a Changing Environment: Research for Food Security. IsoFood 2026, San Michelle all'Adige, Italy
2014	NSERC visiting fellowship in Canadian Government Laboratories
2013	Subsidiary Prize for the best PhD dissertation in freshwater sciences from the European Federation for Freshwater Sciences (EFFS)
2012	PhD Prize for Research in Limnology of the Iberian Association of Limnology
2007	FPU scholarship of the Spanish Ministry of Education

## Key publications (Articles in peer-reviewed journals, book publications)

1. **Soto**, et al. (2025) Feeding niches under threat: unveiling carnivore dietary patterns on the Sunda Shelf in Southeast Asia. *J Biogeography* 52(12), e70109
2. **Soto**, et al. (2025) In the quest of isotope equilibrium for trophic discrimination estimation: diet-tissue dynamics in Nile crocodiles (*Crocodylus niloticus*). *Isot Environ Health Stud*, In press.
3. Merlet, **Soto**, et al. (2025) The trans-european catchment area of common noctule bats killed by wind turbines in France. *Sci Rep* 15(1), 1383.
4. **Soto**, et al. (2019) Terrestrial contributions to Afrotropical aquatic food webs: The Congo River case. *Ecol Evol* 9(18), 10746-10757.
5. **Soto**, et al. (2019) Spatio-temporal variation of nitrate sources to Lake Winnipeg using N and O isotope ( $\delta^{15}\text{N}$ ,  $\delta^{18}\text{O}$ ) analyses. *Sci Total Environ* 647, 486-493.
6. **Soto**, et al. (2018) Ocean warming cannot explain synchronous declines in North American Atlantic salmon populations. *Mar Ecol Progr Series* 601, 203-213.
7. **Soto**, et al. (2017) Re-evaluation of the hydrogen stable isotopic composition of keratin calibration standards for wildlife and forensic science applications. *Rapid Commun Mass Spectrom* 31(14), 1193-1203.
8. **Soto**, et al. (2016) Using hydrogen isotopes of freshwater fish tissue as a tracer of provenance. *Ecol Evol* 6(21), 7776-7782.
9. **Soto**, et al. (2016) Trace metal accumulation as complementary dietary information for the isotopic analysis of complex food webs. *Meth Ecol Evol* 7(8), 910-918.
10. **Soto**, et al. (2013) Stable hydrogen and oxygen isotopes in aquatic food webs are tracers of diet and provenance. *Funct Ecol* 27(2), 535-543.