

CURRICULUM VITAE

Salvador Herrando-Pérez

PhD MPhil

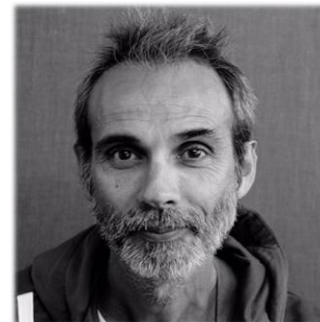
Section 1: Profile

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In a nutshell...

I am a quantitative ecologist interested in the curation and analysis of biodiversity data. In terms of study taxa, habitat or ecological discipline, I am definitely a generalist.

I am proficient in *R* programming, multivariate ordination and compilation/curation of biological databases. I have published 35 peer-reviewed scientific papers (18 as first author), lectured 15 postgraduate courses on multivariate statistics, built two statistical *R* packages, and described 4 species new to science. I hold BSc in Biology/Zoology (1991), MPhil in marine ecology (1992-1996), PhD in population dynamics (2007-2012), and have done postdoc work in ecophysiology (2013-2015), palaeoecology (2018-2020), ecological monitoring (2021-2022) and fire ecology (2022-2023). I am currently lab/project manager with [Araújo's Lab](#). Throughout, I have experienced 9 years of career interruptions mostly due to parenting responsibilities.

I write popular science on biodiversity and global change since 2011, resulting in more than 100 printed articles and blogs.

Listen interviews (in Spanish) [here](#) on biodiversity and extinctions (national public radio-station *Radio 4*) and [here](#) on climate change (national public television *TVE*)

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- Scopus: 8938943500
- [My google scholar](#): *h* index = 16, citations = 1022 (23/01/2024)

References

- [Corey Bradshaw](#), Flinders University, Australia
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- [David Vieites](#), Spanish National Research Council
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Section 1: PROFILE

BIRTH	<ul style="list-style-type: none"> ▪ Onda (Castellón, Spain), 1 March 1968
RESEARCH JOBS	<ul style="list-style-type: none"> ▪ Lab manager. Global Ecology. February 2024 (present). Museo Nacional de Ciencias Naturales/Spanish National Research Council, Madrid, Spain. Team leader: Miguel B. Araújo ▪ Research fellow. Global Ecology. January-Agosto 2023. BioCoRe S. Coop, Madrid, Spain. Research: database building and numerical ecology. Team leader: David R Vieites ▪ Research fellow. Fire Ecology. February 2022-January 2023. Desertification Research Centre/Spanish National Research Council, Moncada, Spain. Research: Arthropod community recovery following megafires. Supported by Generalitat Valenciana <i>Prometeo</i>. Team leader: Juli G Pausas ▪ Research fellow. Community ecology. January 2021-2022. Museo Nacional de Ciencias Naturales/Spanish National Research Council, Madrid, Spain. Research: Amphibian bioprospection using environmental DNA. Supported by European Union <i>LIFE+</i>. Team leader: David R Vieites ▪ Postdoctoral fellow. Palaeoecology. September-December 2020 School of Biological Sciences/The University of Adelaide, Australia. Research: Colonization history of dingoes in Australia. Supported by Australian Research Council. Team leader: Kieren Mitchell ▪ Postdoctoral fellow. Bioinformatics. July-September 2020. School of Biological Sciences/The University of Adelaide, Australia. Research: Multivariate analysis of SNP data. Supported by Australian Research Council. Team leader: Christian Huber ▪ Postdoctoral fellow. Palaeoecology. April 2018-June 2020. School of Biological Sciences/The University of Adelaide, Australia. Research: Megafauna extinction using fossil radiocarbon dates. Supported by Discovery Project – Australian Research Council. Team leader: Jeremy Austin ▪ Postdoctoral fellow. Ecophysiology. August 2013-December 2015. Museo Nacional de Ciencias Naturales/Spanish National Research Council, Madrid, Spain. Research: Ectotherm physiology at thermal limits. Competitive funding: >EU70K (British Ecological Society, European Union). Team leaders: Miguel B Araújo & David R Vieites ▪ Career interruptions: Civic work with Red Cross (1997-1998) and parenting (single father) of daughter born in 1999 (1999-2006 & 2016-2017)
DEGREES	<ul style="list-style-type: none"> ▪ PhD. Demography. 2007-2012. School of Biological Sciences/The University of Adelaide, Australia. Thesis = <i>Resolving conceptual confusion and quantifying cross-taxa patterns of ‘density dependence’ in population ecology</i> (212 pp) – Dean Commendation Award for Thesis Excellence. Supervisors: Corey JA Bradshaw (principal), Barry W Brook, Steven Delean. Competitive funding: Endeavour International Postgraduate Scholarship – Australian Research Council ▪ MPhil. Marine Ecology. 1992-1996. School of Marine Science & Technology/The University of Newcastle upon Tyne, UK. Thesis = <i>Initial benthic recovery following fly ash dumping off the Northumberland coast</i> (125 pp). Supervisor: Christopher LJ Frid. Competitive funding: Balaguer-Gonel Hermanos Foundation – Castellón (Spain) ▪ BSc. Biology (Zoology). 1986-1991. Faculty of Biological Sciences, Valencia University, Spain. Competitive funding: Ministry of Education – Spain
THEMES	Biodiversity. Biostatistics. Global change. Data bases. Ecology. Popular science. R programming.
SKILLS	<ul style="list-style-type: none"> ▪ Field/experimental work on biodiversity from aquatic and terrestrial ecosystems ▪ Ordination, linear modelling and multi-model inference (see blog on numerical literacy) ▪ Advanced programming in the R language ▪ Collation and management of biological databases ▪ Basic bioinformatics (transcriptome assemblage, gene annotation, radiocarbon calibration) ▪ I speak, read and write fluent Spanish (mother tongue) and English; I speak and read Catalan ▪ Communication skills developed through story-telling performance, creative writing and soccer coaching, fuelling a passion for popular science (see blog on scientific blogging)

Section 2: PUBLICATIONS / Research articles

Article titles hyperlinked to online abstracts

Published

1. **Herrando-Pérez S** & F Saltré (2023) Estimating extinction time using radiocarbon dates. *Quaternary Geochronology* 79: 101489. See blog [here](#)
2. Pausas JG, L Álvarez-Ruiz, A Baz, J Belliure, G Benítez, PP Ferrer-Gallego, **S Herrando-Pérez**, JN Jiménez, E Laguna, E Mínguez, S Montagud, R Outerelo, V Roca, X Santos, AJ Velázquez de Castro, A Viñolas, J Cifuentes, JD Gilgado (2023) Postfire biodiversity database for eastern Iberia. *Scientific Data* 10: 872. Dataset available [here](#)
3. Bradshaw CJA, **S Herrando-Pérez** (2023) Logistic-growth models measuring density feedback are sensitive to population declines, but not fluctuating carrying capacity. *Ecology and Evolution* 13(4): e10010.
4. **Herrando-Pérez S**, DR Vieites, MB Araújo, (2023) Novel physiological data needed for progress in global change ecology. *Basic and Applied Ecology* 67: 32-47. See blog [here](#)
5. **Herrando-Pérez S**, R Tobler, CD Huber (2021) *smartsnp*, an R package for fast multivariate analyses of big genomic data. *Methods in Ecology and Evolution* 12(1): 2084-2093 ([journal cover](#)). See blogs [here](#) and [here](#)
6. **Herrando-Pérez S** (2021) Bone need not remain an elephant in the room for radiocarbon dating. *Royal Society Open Science* 7: 201351. See blog [here](#)
7. **Herrando-Pérez S**, J Belliure, F Ferri-Yáñez, TV van den Burg, W Beukema, MB Araújo, JS Terblanche, DR Vieites (2020) Water deprivation drives intraspecific variability in lizard heat tolerance. *Basic and Applied Ecology* 48:37-51. See blog [here](#), press release [here](#), and interviewed for Spanish public TV broadcaster's program [Qué animal](#).
8. van den Burg T, **S Herrando-Pérez S**, DR Vieites (2020) ACDC: a global database of amphibian cytochrome-b sequences using reproducible curation for Genbank records. *Scientific Data* 7:268. Dataset deposited [here](#)
9. Armbrecht L, **S Herrando-Pérez**, R Eisenhofer, G Hallegraef, C Bolch, A Cooper (2020) An optimized method for the extraction of ancient eukaryote DNA from marine sediments. *Molecular Ecology Resources* 20(4):906-919.
10. **Herrando-Pérez S**, C Monasterio, W Beukema, V Gomes, F Ferri-Yáñez, DR Vieites, LB Buckley, MB Araújo (2020) Heat tolerance is more variable than cold tolerance across species of Iberian lizards after controlling for intraspecific variation. *Functional Ecology* 34(3):631-645. See press release [here](#) and blog [here](#). Dataset available [here](#)
11. **Herrando-Pérez S**, CJA Bradshaw, S Lewandowsky, DR Vieites (2019) Statistical language backs conservatism in climate-change assessments. *Bioscience* 69(3):209-219. Press releases [here](#) and [here](#). See blogs for [The Conversation/Spain](#) and [ConservationBytes](#)
12. **Herrando-Pérez S**, F Ferri-Yáñez, C Monasterio, W Beukema, V Gomes, J Belliure, SL Chown, DR Vieites, MB Araújo (2019) Intraspecific variation in lizard heat tolerance alters estimates of climate impact. *Journal of Animal Ecology* 88(2):247-257 ([journal cover](#)). See [here](#) and [here](#), dataset available [here](#)
13. Rodríguez-Rey M, **S Herrando-Pérez**, BW Brook, F Saltré, J Alroy, NJ Beeton, MI Bird, A Cooper, R Gillespie, Z Jacobs, CN Johnson, GH Miller, GJ Prideaux, RG Roberts, CSM Turney, CJA Bradshaw (2016) A comprehensive database of quality-rated fossil ages for Sahul's Quaternary vertebrates. *Scientific Data* 3(16005):1-7. Database also published in [AEKOS](#) on 19/11/15
14. Johnson CN, J Alroy, NJ Beeton, MI Bird, BW Brook, A Cooper, R Gillespie, **S Herrando-Pérez**, Z Jacobs, GH Miller, GJ Prideaux, RG Roberts, M Rodríguez-Rey, F Saltré, CSM Turney, CJA Bradshaw (2016) What caused extinction of the Pleistocene megafauna of Sahul? *Proceedings of the Royal Society B* 283(1824):1-8
15. Saltré F, M Rodríguez-Rey, BW Brook, CN Johnson, CS Turney, J Alroy, A Cooper, N Beeton, MI Bird, DA Fordham, R Gillespie, **S Herrando-Pérez**, Z Jacobs, GH Miller, D Nogués-Bravo, GJ Prideaux, RG Roberts, CJA Bradshaw (2016) Climate change not to blame for late Quaternary megafauna extinctions in Australia. *Nature Communications* 7(10511):1-7
16. Rodríguez-Rey M, **S Herrando-Pérez**, R Gillespie, Z Jacobs, F Saltré, BW Brook, GJ Prideaux, RG Roberts, A Cooper, J Alroy, GH Miller, MI Bird, CN Johnson, N Beeton, CS Turney, CJA Bradshaw (2015) Criteria for assessing the quality of Middle Pleistocene to Holocene vertebrate fossil ages. *Quaternary Geochronology* 30:69-79
17. Bradshaw CJA, BW Brook, S Delean, DA Fordham, **S Herrando-Pérez**, P Cassey, R Early, CH Sekercioglu, MB Araújo (2014) Predictors of contraction and expansion of area of occupancy for British birds. *Proceedings of the Royal Society B* 281(1786):1-9

18. **Herrando-Pérez S**, S Delean, BW Brook, P Cassey, CJA Bradshaw (2014) Spatial climate patterns explain negligible variation in strength of compensatory density feedback in birds and mammals. *PLoS ONE* 9(e91536):1-12
19. **Herrando-Pérez S**, BW Brook, CJA Bradshaw (2014) Clarity and precision of language are a necessary route in ecology. *BioScience* 64(5):373-374
20. **Herrando-Pérez S**, BW Brook, CJA Bradshaw (2014) Ecology needs a convention of nomenclature. *BioScience* 64(4):311-321. See [blog](#)
21. **Herrando-Pérez S** (2013) Climate change heats matrix population models. *Journal of Animal Ecology* 82(6):1117-1119
22. **Herrando-Pérez S**, S Delean, BW Brook, CJA Bradshaw (2012) Decoupling of component and ensemble density feedbacks in birds and mammals. *Ecology* 93(7):1728-1740. See [blog](#)
23. **Herrando-Pérez S**, S Delean, BW Brook, CJA Bradshaw (2012) Density dependence: an ecological Tower of Babel. *Oecologia* 170(3):583-603. [Talk given at INTECOL 2007 \(Brisbane, Australia, August 2009\)](#). See [blog](#)
24. **Herrando-Pérez S**, S Delean, BW Brook, CJA Bradshaw (2012) Strength of density feedback in census data increases from slow to fast life histories. *Ecology and Evolution* 2(8):1922-1934. [Talk given at 'Royal Society of South Australia' Awards – runner-up prize \(Adelaide, Australia, April 2011\)](#)
25. Brusa F, LHL Negrete, Y Herrera-Martínez, **S Herrando-Pérez** (2012) *Girardiae festae* (Borelli, 1898) (Platyhelminthes: Tricladida: Dugesidae): distribution extension in a high-altitude lake from Colombia. *Check List* 8(2):276-279
26. Pésic V, T Chatterjee, Y Herrera-Martínez, **S Herrando-Pérez** (2010) *Wandesia (Partnuniella) lehmanni* - a new water mite species (Acari: Hydrachnidia, Hydryphantidae) from a high-altitude lake in the Colombian Andes. *International Journal of Acarology* 36(1):53-58. [Supported by British Ecological Society 'Small Ecological Research Grant' \(competitive funding\)](#)
27. Luja VH, **S Herrando-Pérez**, D González-Solís, L Luiselli (2008) Secondary rainforests are not havens for reptile species in tropical Mexico. *Biotropica* 40(6):747-757
28. **Herrando-Pérez S**, M Baratti, G Messana (2008) Subterranean ecological research and multivariate statistics. *Journal of Cave and Karst Studies* 70(2):120-128. [Talk given at 'I Congreso Valenciano de Espeleología' \(Alcoy, Alicante, Spain, April 2006\)](#)
29. La Torre-Cuadros MA, **S Herrando-Pérez**, K Young (2007) Diversity and structural patterns for tropical montane and premontane forests of Central Peru, with an assessment of the use of higher-taxon surrogacy. *Biodiversity and Conservation* 16(10):2965-2988
30. Baquero E, **S Herrando-Pérez**, R Jordana (2006) A new species of *Arrhopalites* (Collembola, Symphyleona, Arrhopalitidae) from a cave on the Central East Iberian Peninsula. *Subterranean Biology* 3:81-86
31. Bruce NL, **S Herrando-Pérez** (2005) *Kensleylana briani*, a new genus and species of freshwater cave-dwelling cirolanid (Crustacea: Isopoda) from Spain. *Proceedings of the Biological Society of Washington* 118:74-83.
32. de Grave S, **S Herrando-Pérez** (2003) A new species of *Typhlocirolana* (Isopoda, Cirolanidae) from the Ullal de la Rambla de Miravet, Spain. *Zootaxa* 393:1-11. [Supported by British Ecological Society 'Small Ecological Research Grant' \(competitive funding\)](#)
33. **Herrando-Pérez S**, G San Martín, J Núñez (2001) Polychaete patterns from an oceanic island in the East Atlantic, La Gomera (Canarian Archipelago). *Cahiers de Biologie Marine* 42:275-287
34. **Herrando-Pérez S**, CLJ Frid (2001) Recovery patterns of macrobenthos and sediment at a close fly-ash dumpsite. *Sarsia (Marine Biology Research)* 86(4-5):389-400. [Talk given at VI International Polychaete Conference \(Curitiba, Brazil, August 1998\)](#)
35. **Herrando-Pérez S**, CLJ Frid (1998) The cessation of long-term fly-ash dumping: effects on macrobenthos and sediments. *Marine Pollution Bulletin* 36(10):780-790

Grey journals

1. **Herrando-Pérez S**, MA La Torre-Cuadros (2012) [Surrogacia en bosque montano andino](#). *Revista Peruana de Biología* 19(1):101-105
2. **Herrando-Pérez S**, G Messana, B Sket (2007) [Crustáceos del Ullal de Miravet](#). *Berig* 8:4-10

Section 2: PUBLICATIONS / Popular science

Main media collaborations

[Qué Animal](#) (TVE2: Spain's national public television/TVE). Full program *Vulnerables* and interview [here](#) on climate change (18/11/2021)

[Wonderland](#) (Radio 4: Spain's national public radio/RNE). Full interview [here](#) on biodiversity and extinctions for program section *La Taula del Rei Salomó* (20/02/2021)

Book chapters

1. Jaume D, F Palero, **S Herrando-Pérez**, L García (2023) Isópodos, los crustáceos de patas similares. In: *Habitantes de la oscuridad: fauna ibero-balear de las cuevas*, pp 303-322, A Sendra (editor), Sociedad Entomológica Aragonesa, Spain
2. Jaume D, J Albesa, **S Herrando-Pérez** (2023) Decápodos, las verdaderas gambas. In: *Habitantes de la oscuridad: fauna ibero-balear de las cuevas*, pp 332-334, A Sendra (editor), Sociedad Entomológica Aragonesa, Spain

Manuals

Herrando-Pérez S, DR Vieites (2019) Spanish translation of the [Uncertainty Handbook](#) with Climate Outreach & University of Bristol, UK (10/06/2019).

Articles (printed, in Spanish)

1. **Herrando-Pérez S** (2024) Larga vida en las profundidades. *Quercus* 460(Quercus): 54-56.
2. **Herrando-Pérez S** (2024) Directo al corazón del invasor. *Quercus* 458(April): 54-57.
3. **Herrando-Pérez S** (2024) Los carnívoros aseguran las carreteras. *Quercus* 456(February): 56-58.
4. **Herrando-Pérez S**, MR Recio (2023) Lobos con gusto marino. *Quercus* 454(December): 54-56.
5. **Herrando-Pérez S**, D Oro (2023) Divorcios en caliente. *Quercus* 452(October): 62-64.
6. **Herrando-Pérez S** (2023) El emperador desde el espacio. *Quercus* 450(August): 64-66.
7. **Herrando-Pérez S** (2023) Elefantes sin fronteras. *Quercus* 448(June): 62-64.
8. **Herrando-Pérez S**, E Díaz (2023) El viaje de las anguilas a ultramar. *Quercus* 446(April): 54-56.
9. **Herrando-Pérez S**, JG Pausas (2023) Carpinteros de la madera quemada. *Quercus* 444(February):54-56.
10. **Herrando-Pérez S** (2022) Cuidemos esos bichos tan beneficiosos. *Quercus* 442(December):54-56.
11. **Herrando-Pérez S** (2022) Las lombrices contribuyen al transporte de microplástico. *Quercus* 440(Octubre):62-64.
12. **Herrando-Pérez S** (2022) El gusto por lo exótico. *Quercus* 438(August):54-56.
13. **Herrando-Pérez S**, N Aguilar de Soto (2022) Cuando el ruido suena a peligro. *Quercus* 436(June, [cover page](#)):54-56.
14. **Herrando-Pérez S** (2022) La historia química de las abejas. *Quercus* 434(April):54-56.
15. **Herrando-Pérez S** (2022) Una cascada con nutrias. *Quercus* 432(February):52-54.
16. **Herrando-Pérez S** (2021) No pongas un pangolín en tu vida. *Quercus* 430(December):64-66.
17. **Herrando-Pérez S** (2021) Jardinería marina. *Quercus* 428(October):56-58.
18. Vieites DR, **S Herrando-Pérez** (2021) Migrar es cuestión de dinero. *Quercus* 426(Agosto):54-56.
19. **Herrando-Pérez S**, DR Vieites (2021) Mundo domesticado. *Quercus* 424(June):62-64.
20. Vieites DR, **S Herrando-Pérez** (2021) Facilitar atención médica reduce la deforestación. *Quercus* 422(April):54-56.
21. **Herrando-Pérez S**, DR Vieites (2021) Entrevista a Katharine Hayhoe. *Quercus* 420(February):54-57.
22. **Herrando-Pérez S**, DR Vieites (2020) Entrevista a Ken Caldeira. *Quercus* 418(December):52-54.
23. Vieites DR, **S Herrando-Pérez** (2020) La vida marina empieza a recuperarse. *Quercus* 416(October):54-56.
24. **Herrando-Pérez S**, DR Vieites (2020) Doble rasero. *Quercus* 414(August):64:66.
25. Vieites DR, **Herrando-Pérez S** (2020) Pandemia y extinción masiva. *Quercus* 412(June):54-56.
26. **Herrando-Pérez S**, DR Vieites (2020) Más ciencia no implica una mejor estrategia climática. *Quercus* 410(April):48-50.
27. Vieites DR, **S Herrando-Pérez** (2020) Bajo el agua. *Quercus* 408(February):50-52
28. **Herrando-Pérez S**, DR Vieites (2019) Disfraces de adulto. *Quercus* 406(December):60-62
29. Vieites DR, **S Herrando-Pérez** (2019) Amnesia climática. *Quercus* 404(October):51-53
30. **Herrando-Pérez S**, DR Vieites (2019) Nada como un buen bosque. *Quercus* 402(August):59-61
31. Vieites DR, **S Herrando-Pérez** (2019) Los Picapiedra. *Quercus* 400(June): 69-71

32. Herrando-Pérez S, CJA Bradshaw, S Lewandowsky, DR Vieites (2019) Evaluaciones tibias del clima de la Tierra. *Quercus* 398(April):48-50
33. Herrando-Pérez S, DR Vieites, F Valladares (2019) Bosques sedientos. *Quercus* 396(February):59-61
34. Vieites DR, S Herrando-Pérez (2018) Surcando las olas. *Quercus* 394(December):51-53
35. Herrando-Pérez S, DR Vieites (2018) Desigualdad de sexos. *Quercus* 392(October): 49-51
36. Vieites DR, S Herrando-Pérez (2018) ¡Desempolvad esas libretas de campo! *Quercus* 390(August):51-53
37. Herrando-Pérez S, DR Vieites (2018) Cómo divulgar el cambio climático. *Quercus* 388(June): 51-54
38. Vieites DR, S Herrando-Pérez (2018) Hacia el mundo de Lilliput. *Quercus* 386(April):51-53
39. Herrando-Pérez S, DR Vieites (2018) Pingüinos engañados por ecosistemas cambiantes. *Quercus* 384(February):59-61
40. Vieites DR, S Herrando-Pérez (2017) Las pulgas de agua desarrollan tolerancia al calor. *Quercus* 382(December, [cover page](#)):78-80
41. Vieites DR, S Herrando-Pérez (2017) El largo olvido. *Quercus* 381(November):74-76
42. Herrando-Pérez S, DR Vieites (2017) Puñetazos de calor. *Quercus* 380(October):62-64
43. Herrando-Pérez S, DR Vieites (2017) El microclima va a su aire. *Quercus* 379(September):54-56
44. Herrando-Pérez S, DR Vieites (2017) Plumas a la moda del clima. *Quercus* 378(August):54-56
45. Vieites DR, S Herrando-Pérez (2017) Moverse con el cambio climático depende del competidor. *Quercus* 377(July):60-62
46. Herrando-Pérez S, DR Vieites (2017) No todo es temperatura para los corales. *Quercus* 376(June):68-70
47. DR Vieites, S Herrando-Pérez (2017) Asincronía primaveral en aves migratorias. *Quercus* 375(May):68-70
48. Herrando-Pérez S, DR Vieites (2017) Narices confusas por la acidificación. *Quercus* 374(April):68-70
49. Vieites, DR, S Herrando-Pérez (2017) Cucú cantaba la rana. *Quercus* 373(March):68-70
50. Herrando-Pérez S, DR Vieites (2017) Comer o perecer en un mundo sin hielo. *Quercus* 372(February, [cover page](#)):68-70
51. Herrando-Pérez S, DR Vieites, MB Araújo (2017) ¿Cómo percibimos el cambio climático? *Quercus* 371(January):54-55
52. Herrando-Pérez S (2013) Guerra de sonidos. *Quercus* 334(December):60-61
53. Herrando-Pérez S (2013) Mucho más que guapo. *Quercus* 333(November):64-65
54. Herrando-Pérez S (2013) Proteínas con patas. *Quercus* 332(October):56-57
55. Herrando-Pérez S (2013) Las mudanzas mejor en familia. *Quercus* 331(September):56-57
56. Herrando-Pérez S (2013) Prueba de paternidad. *Quercus* 330(August):50-51
57. Herrando-Pérez S (2013) Abrazos los justos. *Quercus* 329(July):50-51
58. Herrando-Pérez S (2013) Aprender del peligro. *Quercus* 328(June):62-63
59. Herrando-Pérez S (2013) Posturas para no morir. *Quercus* 327(May):58-59
60. Herrando-Pérez S (2013) Sexo boca abajo. *Quercus* 326(April):56-57
61. Herrando-Pérez S (2013) Razones de sexo. *Quercus* 325(March):56-57
62. Herrando-Pérez S (2013) Brújulas de calor. *Quercus* 324(February):54-55
63. Herrando-Pérez S (2013) Un año de comportamiento animal. *Quercus* 323(January):52-53
64. Herrando-Pérez S (2012) El club de la biodiversidad. *Quercus* 322(December):52-53
65. Herrando-Pérez S (2012) Un conflicto con muchos dientes. *Quercus* 320(October):56-57
66. Herrando-Pérez S (2012) El enrarecido clima del cambio climático. *Quercus* 319(September):54-55
67. Herrando-Pérez S (2012) La enfermedad de los números. *Quercus* 318(August):44-45
68. Herrando-Pérez S (2012) Extinciones fantasmas. *Quercus* 317(July):46-47
69. Herrando-Pérez S (2012) Invasiones con doble filo. *Quercus* 316(June):50-52
70. Herrando-Pérez S (2012) Con tiburones hay vieiras. *Quercus* 315(May):50-51
71. Herrando-Pérez S (2012) Ministerio de economía y medio ambiente. *Quercus* 314(April):56-57
72. Herrando-Pérez S (2012) Proteínas para el estrés. *Quercus* 313(March):54-55
73. Herrando-Pérez S (2012) Ceda paso al invasor. *Quercus* 312(February):52-53
74. Herrando-Pérez S (2011) Genes frescos, pero deprimentes. *Quercus* 311(January):50-51
75. Herrando-Pérez S (2011) ¿Pezgrandones? No, gracias. *Quercus* 309(November):48-49
76. Herrando-Pérez S (2011) No es oro todo lo que reluce. *Quercus* 308(October):52-53
77. Herrando-Pérez S (2011) Ahora, adivina de dónde vengo. *Quercus* 307(September):54-55
78. Herrando-Pérez S (2011) Adivina dónde vivo. *Quercus* 306(August):48-49
79. Herrando-Pérez S (2011) Inflación por las nubes. *Quercus* 305(July):48-49

80. Herrando-Pérez S (2011) El silencio de los pájaros. *Quercus* 303(May):50-51
81. Herrando-Pérez S (2011) Zumbidos en el paladar. *Quercus* 302(April):50-51
82. Herrando-Pérez S (2011) Evolución aquí y ahora. *Quercus* 301(March):66-67
83. Herrando-Pérez S (2011) Extinguir especies: un negocio rentable. *Quercus* 299(January):46-47
84. Herrando-Pérez S (2005) Ullal de Miravet, un tesoro natural bajo tierra. *Quercus* 230(April):20-26
85. Herrando-Pérez S, J Núñez, G San Martín, (2000) Poliquetos, atletas de los mares. *Quercus* 175(September):16-24
86. Herrando-Pérez S (1999) Recolección de insectos: Cuando los medios no justifican el fin. *Quercus* 164(October):64-65

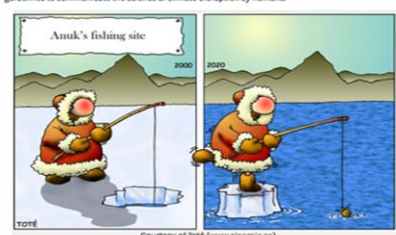
Blogs (article titles hyperlinked)

1. Herrando-Pérez S, E Díaz (2023) Rextinct: a new tool to estimate when a species went extinct. *Conservation Bytes* (18/12/2023)
2. Herrando-Pérez S, E Díaz (2023) An expected journey (of eels). *Conservation Bytes* (29/05/2023)
3. Herrando-Pérez S, J Pausas (2023) Some like it hot. *Conservation Bytes* (06/03/2023)
4. Herrando-Pérez S (2022) What we know we don't know about animal tolerances to high temperatures. *Conservation Bytes* (30/01/2023)
5. Herrando-Pérez S, Vieites DR (2022) Communicating climate change. *European Geosciences Union* (15/11/2022). Slightly different version published in *Conservation Bytes* ([05/06/18](#))
6. Herrando-Pérez S (2022) Bane of the bees. *Conservation Bytes* (19/04/2022)
7. Herrando-Pérez S (2022) A cascade with otters. *Conservation Bytes* (04/04/2022)
8. Herrando-Pérez S (2021) Fancy a pangolin infected with coronavirus? *Conservation Bytes* (30/12/2021)
9. Herrando-Pérez S (2021) Citizens meet coral gardening. *Conservation Bytes* (12/10/2021)
10. Herrando-Pérez S (2021) Genetic analysis made fast and easy. *Conservation Bytes* (29/07/2021)
11. Herrando-Pérez S, DR Vieites (2021) A domesticated planet. *Conservation Bytes* (15/06/2021)
12. Herrando-Pérez S, DR Vieites (2021) Citizens ask the expert in climate-change communication. *Conservation Bytes* (07/02/2021)
13. Herrando-Pérez S (2021) Ancient bones – how old? *Conservation Bytes* (22/01/2021)
14. Herrando-Pérez S, DR Vieites (2020) Citizens ask the expert in climate physics. *Conservation Bytes* (24/11/2020)
15. Herrando-Pérez S (2020) Many animals won't cope with climate change without access to ample drinking water. *Conservation Bytes* (12/08/2020)
16. Herrando-Pérez S, DR Vieites (2020) Double standards: climate change vs. COVID-19. *Conservation Bytes* (03/08/2020)
17. Herrando-Pérez S, DR Vieites (2020) Heat tolerance highly variable among populations and species. *Conservation Bytes* (14/01/2020)
18. Herrando-Pérez S, DR Vieites (2020) Adult disguises. *Conservation Bytes* (02/12/2019)
19. Herrando-Pérez S, DR Vieites (2019) Nothing like a good forest. *Conservation Bytes* (31/07/2019)
20. Herrando-Pérez S, CJA Bradshaw, S Lewandowsky, DR Vieites (2019) Even the IPCC undersells the climate emergency. *Conservation Bytes* (31/03/2019)
21. Herrando-Pérez S, CJA Bradshaw, S Lewandowsky, DR Vieites (2019) Hablemos claro sobre el cambio climático. *The Conservation - Spain* (31/03/2019)
22. Herrando-Pérez S, DR Vieites, F Valladares (2019) Thirsty forests. *Conservation Bytes* (01/02/2019)
23. Herrando-Pérez S (2018) Why a (young) scientist should blog. *Conservation Bytes* (12/11/18)
24. Herrando-Pérez S (2018) Ecophysiological feedbacks under climate change. *Conservation Bytes* (29/10/18)
25. Herrando-Pérez S, Vieites DR (2018) Sex on the beach. *Conservation Bytes* (02/10/18)
26. Herrando-Pérez S, Vieites DR (2018) Penguins cheated by ecosystem change. *Conservation Bytes* (13/03/18)
27. Herrando-Pérez S, Vieites DR (2017) Microclimates: thermal shields against global warming for small herps. *Conservation Bytes* (22/11/17)
28. Herrando-Pérez S, Vieites DR (2017) Less snow from climate change pushes evolution of browner birds. *Conservation Bytes* (07/09/17)
29. Herrando-Pérez S, Vieites DR (2017) It's not all about temperature for corals. *Conservation Bytes* (31/05/17)
30. Vieites DR, S Herrando-Pérez (2017) Spring asynchrony in migratory birds. *Conservation Bytes* (15/05/17)
31. Herrando-Pérez S, Vieites DR (2017) Noses baffled by ocean acidification. *Conservation Bytes* (18/04/017)

- 32. Vieites DR, **S Herrando-Pérez (2017)** Singin' in the heat. **Conservation Bytes** (09/03/17)
- 33. **Herrando-Pérez S, DR Vieites (2017)** To feed or to perish in an iceless world. **Conservation Bytes** (01/02/17)
- 34. **Herrando-Pérez S, DR Vieites, MB Araújo (2017)** Where do citizens stand on climate change? **Conservation Bytes** (02/01/17)
- 35. **Herrando-Pérez S (2014)** Are we speaking the same language? **Conservation Bytes** (24/02/14)
- 36. **Herrando-Pérez S (2014)** Noisy oceans. **Conservation Bytes** (20/01/2014)
- 37. **Herrando-Pérez S (2013)** Translocations: keep it in the family. **Conservation Bytes** (31/10/13)**Herrando-Pérez S (2013)** Learning from danger. **Conservation Bytes** (13/05/13)
- 38. **Herrando-Pérez S (2013)** Food for sex. **Conservation Bytes** (18/03/13)
- 39. **Herrando-Pérez S (2013)** Translocations: the genetic rescue paradox. **Conservation Bytes** (14/01/13)
- 40. **Herrando-Pérez S (2012)** Individuals a population to conserve make. **Conservation Bytes** (28/11/2012)
- 41. **Herrando-Pérez S (2012)** Toothed conflict. **Conservation Bytes** (01/11/12)
- 42. **Herrando-Pérez S (2012)** The Biodiversity Club. **Conservation Bytes** (11/10/12)
- 43. **Herrando-Pérez S (2012)** Ecology is a Tower of Babel. **Conservation Bytes** (17/09/12)
- 44. **Herrando-Pérez S (2012)** The climate of climate change. **Conservation Bytes** (04/09/12)
- 45. **Herrando-Pérez S (2012)** Malady of numbers. **Conservation Bytes** (30/07/12)
- 46. **Herrando-Pérez S (2012)** Ghost extinctions. **Conservation Bytes** (07/07/12)
- 47. **Herrando-Pérez S (2012)** Invader's double edge. **Conservation Bytes** (15/06/12)
- 48. **Herrando-Pérez S (2012)** Sharks: the world's custodians of fisheries. **Conservation Bytes** (05/05/12)
- 49. **Herrando-Pérez S (2012)** The wounded soldiers of biodiversity. **Conservation Bytes** (04/10/12)
- 50. **Herrando-Pérez S (2012)** Parts a whole do not make. **Conservation Bytes** (17/02/12)
- 51. **Herrando-Pérez S (2012)** Give way to the invader. **Conservation Bytes** (25/01/2012)
- 52. **Herrando-Pérez S (2011)** Oceans need their giants. **Conservation Bytes** (02/11/11)
- 53. **Herrando-Pérez S (2011)** All that glitters is not gold - ecological traps. **Conservation Bytes** (27/09/11)
- 54. **Herrando-Pérez S (2011)** Gone with the birds. **Conservation Bytes** (01/09/2011)
- 55. **Herrando-Pérez S (2011)** Pickled niches. **Conservation Bytes** (27/08/11)
- 56. **Herrando-Pérez S (2011)** Taxonomy in the clouds. **Conservation Bytes** (04/07/11)
- 57. **Herrando-Pérez S (2011)** Silence of the birds. **Conservation Bytes** (02/05/11)
- 58. **Herrando-Pérez S (2011)** Buzzing to the plate. **Conservation Bytes** (04/04/11)
- Herrando-Pérez S (2011)** Evolution here and now. **Conservation Bytes** (17/02/11)



journal covers featuring my articles



blog examples (cover)

Section 3: RESEARCH ACTIVITIES

PEER REVIEW	<ul style="list-style-type: none"> ▪ Journals (reviewer): Acta Biotheoretica, Animal Conservation, Biological Conservation, BioScience, Bulletin of Marine Science, Climate Research, Community Ecology, Earth's Future, Ecography, Ecology, Ecological Research, Ecology Letters, Functional Ecology, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Thermal Biology, Nature Climate Change, Oecologia, PLoS ONE, Proceedings of the Royal Society B, Radiocarbon, Restoration Ecology, Zonas Áridas. Since 2007 ▪ Grants: Member of British Ecological Society's Review College. Biannual review of grant applications since 2015-current
CONSULTANCY	<ul style="list-style-type: none"> ▪ Unit of excellence application in global ecology (2012-2015 Research Report & 2017-2020 Strategic Program). Duty: writing funding proposal on behalf of the Department of Biogeography and Global Change for the 2016 <i>María de Maeztu</i> program of research excellence (Spanish Ministry of Economy, Industry and Competitiveness). 2015-2016 (application and rejoinders submitted in October 2016 and February 2017, respectively) ▪ Megafauna extinctions from Late-Pleistocene Sahul, Adelaide. The Environment Institute, University of Adelaide (Australia). Duty: Collation of database ('FosSahul') of Pleistocene to Holocene vertebrate fossil ages from Australia and Papua New Guinea. Two workshops attended in Linnaeus (21-25 October 2013) and Hobart (25-31 October 2014). 2012-2016 (published in <i>AEKOS</i> & <i>Scientific Data</i>). ▪ Rapid Biodiversity Assessment, Contamana, Amazon. Conservation Data Centre and National University 'Agraria La Molina' (Peru). Duty: Field photography. 2004 ▪ Environmental Impact Assessment, Unelco Power Station, Tenerife. La Laguna University (Spain). Duty: Invertebrate taxonomy and data analyses. 1997-2001 ▪ Rapid Biodiversity Assessment, En Nailat, Sahara. La Laguna University (Spain) & Morocco Government. Duty: Biotic sampling. 1997
AWARDS / SCHOLARSHIPS	<ul style="list-style-type: none"> ▪ Prime-XS 275 / European Union 7th Framework. Expression and evolution of heat-shock proteins at the extremes of the thermal niche of Iberian reptiles (Postdoc) = ~EU50K for proteome sequencing at Functional Genomics Centre Zurich, Switzerland (2013-2015) ▪ Large Research Grant 4496-5470 - British Ecological Society, UK. Heat-shock proteins as biomarkers of the thermal niche of Iberian reptiles (Postdoc) = £20K (2014-2015) ▪ Dean's commendation for PhD thesis excellence - The University of Adelaide, Australia (2012) ▪ Endeavour International Postgraduate Scholarship (PhD). Australian Research Council and The University of Adelaide, Australia. Factors controlling population size and extinction risk (PhD) = tuition fees + living stipend (2008-2012) ▪ Small Ecological Research Grant 1159/1438 - British Ecological Society, UK. Macrobenthic assemblages in an Andean high-altitude lake system from the Iguaque-Guantiva-La Rusia Paramo-Montane forest corridor, Boyaca, Colombia (Freelance research) = £2,444 (2007-2008) ▪ Small Ecological Research Grant 1897 - British Ecological Society, UK. Ecology and biodiversity of the stygobiont fauna from the Ullal de Cabanes Cave, Spain, Western Mediterranean (Freelance research) = £850 (2001-2003) ▪ Postgraduate Grant (MPhil) - Balaguer-Gonel Foundation, Spain. Benthic recovery following fly-ash dumping off Northumberland, England (MPhil) = EU3K (1994-1995)
I+D+I PROJECTS COVERING CONTRACT WORK	<ul style="list-style-type: none"> ▪ Fire ecology work (2022). Conselleria de Innovación, Universidades Ciencia y Sociedad Digital de la Generalitat Valenciana PROMETEO/2021/40 to J Pausas (Desertification Research Centre-CSIC, Spain). ▪ Programming and genetic work + research papers (2020-2021). Australian Research Council DECRA DE180100883 to CD Huber (The University of Adelaide, Australia) and European Union's LIFE18 NAT/ES/000121 LIFE to DR Vieites (Museo Nacional de Ciencias Naturales-CSIC, Spain). ▪ Radiocarbon work + research papers (2018-2021). Australian Research Council Discovery DP170104665 to CSM Turney (University of New South Wales, Australia) and Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage CE170100015 to University of Wollongong (Australia). ▪ Postdoc lizard work + research papers (2013-2017). Spanish Ministry of Science CGL2011-26852 to MB Araújo and CGL2017-89898-R to David R Vieites (Museo Nacional de Ciencias Naturales-CSIC, Spain). ▪ Chronological paleodatabase + research papers (2012-2014). Australian Research Council Discovery DP130103842 to F Saltré & M Rodríguez-Rey (The University of Adelaide, Australia). ▪ PhD + research papers (2007-2012). Australian Research Council Discovery DP0878582 to CJA Bradshaw (The University of Adelaide, Australia).

CONFERENCES

- **Lizards and megafauna: two perspectives for global change ecology.** Scientific Seminar Series, Instituto Valenciano de Investigaciones Agrarias, CSIC, Moncada-Spain (21/10/2022)
- **Bones: the elephant in the room of radiocarbon dating.** Ecology and Evolution Seminar Series, Flinders University, Adelaide-Australia (07/02/2020). See <https://globalecologyflinders.com/seminars>
- **Conservatism of lizard heat tolerances is spatially variable.** 3rd Symposium of the Department of Biogeography and Global Change, MNCN-CSIC, Madrid-Spain (22/01/2018)
- **Climate change from science to society.** Gabinete de Historia Natural, Madrid-Spain (27/01/2017)
- **Stress proteins for stressed reptiles.** 2nd Symposium of the Department of Biogeography and Global Change, MNCN-CSIC, Madrid-Spain (15-16/12/2014)
- **What do ecologists mean by density dependence?** 10th International Congress of Ecology, Brisbane-Australia. 16-21/08/2009)
- **Multivariate statistics and bioespeleology.** 1st Valencian Congress of Speleology, Alcoy-Spain. 29/04-01/05/2006
- **Multivariate statistics: a tool for the analyses of environmental data.** Jaime I University, Castellón-Spain (17/02/2006)
- **Underground biodiversity of the Ullal de la Rambla de Miravet.** Fundación Caja Castellón, Spain (10/03/2004)
- **Application of multivariate methods for forest certification.** Spanish Association of Standardization and Certification, Valencia-Spain (29/09/2003)
- **Two Mediterranean dimensions: fire and biodiversity.** Almazora Town Council, Spain. 23/03/2001
- **Changes in the feeding ecology of polychaetes during recovery of a former fly-ash dumpsite.** 6th International Polychaete Conference, Curitiba-Brazil (02-07/08/1998)

Section 4: TEACHING

TEACHING

POSTGRADUATE

- **Multivariate ordination methods for ecology and conservation.** National Museum of Natural Sciences, Spanish National Research Council, Madrid, Spain. 3-8 October 2016
- **Multivariate ordination methods for ecology and conservation.** Centro de Ecología y Biodiversidad & Universidad Ricardo Palma, Lima, Peru. 18-23 July 2016
- **Multivariate ordination methods for marine environmental impact assessment.** Aquabiosfera & Universidad Jorge Tadeo Lozano, Bogota, Colombia. 11-16 July 2016
- **Multivariate analyses in biodiversity studies for environmental impact assessment and protected areas.** Universidad Pedagógica y Tecnológica de Colombia, Tunja, Colombia. 5-9 February 2008
- **Multivariate analyses: ordination, correlation and difference with biodiversity data.** Fundación Omacha, Bogota, Colombia. 5 rounds: 27 June-1 July 2005 + 5-9 July 2005 + 11-15 July 2005 + 9-13 October 2006 + 17-21 October 2006
- **A practical approach to multivariate analyses for fisheries and aquaculture.** Universidad Jorge Tadeo Lozano, Bogota, Colombia. 7-11 June 2005
- **A practical approach to the study of biodiversity through multivariate methods.** Universidad Nacional Agraria La Molina, Lima, Peru. 22-29 November 2004
- **Quantitative zoology: multivariate analyses and aquatic mammal research.** Pontificia Universidad Javeriana, Bogota, Colombia. 6-27 June 2003
- **Measurements of biological diversity by means of multivariate methods.** El Colegio de la Frontera Sur, Chetumal, Mexico. Three rounds: November 2001 + October 2003 & 2004. Supported (2001 & 2003) by 'Cátedras Universitarias Especiales' (Mexican Government – competitive funding)

UNDERGRADUATE

- **Research Methods in Environmental Biology III (statistics for ecology).** ENV BIOL 3006. School of Earth & Environmental Sciences, Adelaide University, Australia. 2012
- **Ecological issues (statistics for ecology).** 3020 ENV BIOL 1002. School of Earth & Environmental Sciences, Adelaide University, Australia. 2011
- **Ecological issues (ecology and biodiversity conservation).** 2920 ENV BIOL 1002. School of Earth & Environmental Sciences, Adelaide University, Australia. 2009

SUPERVISION

- **Alicia Salvanos.** Megafauna radiocarbon dates from North America and Eurasia. Summer work placement. The University of Adelaide, Australia. 2019
- **Gloria Gómez-Lobo Moya.** Evolution of heat-shock protein 90 in common wall lizards (*Podarcis muralis*). BSc final-year project. Madrid Autonomous University, Spain. 2017

Section 5: OTHER MERITS & INTERESTS

MISCELLANEA	<ul style="list-style-type: none"> ▪ Environmental education (primary schools): Demonstration of ecological value of El Salvador Ravine. Onda City Council (Onda, Spain, 2005-2006) ▪ Photo exhibitions: <i>The jungle temple</i> (rainforest wildlife, people and landscapes from Colombian and Peruvian Amazon, and Mexican Yucatan). City councils of Ademuz (2005), Onda (2005), Jérica (2005), Castellón de la Plana (2005) and Masamagrell (2004), Spain ▪ Fire prevention program: Patroller of protected areas including tutoring of volunteers for companies TRAGSA and VAERSA (Castellón, Spain, 1999-2001) ▪ Civic work (alternative to compulsory military service): Assistance to elderly people with Red Cross (Tenerife, Spain, 1997-1998)
STORY TELLING	<ul style="list-style-type: none"> ▪ Shows: <i>Word box</i> <i>Men, women and vice versa</i> <i>Mexico a cappella</i> <i>Raining tales</i> <i>Onogoro</i> (Japanese erotic tales with flamenco guitar). >40 performances for adults and children in Colombia, Mexico and Spain (2001-2007) ▪ Festival participant: La Perola (Bogotá, Colombia, 2005), Walking Words (Tunja, Colombia, 2005), Chelva Marathon (Chelva, Spain, 2005), Olba Story Telling (Olba, Spain, 2001, 2002, 2004) ▪ Media collaborations: <i>Radio Escabia</i> (Segorbe, Spain, 2001-2002), newspaper <i>El Set</i> (Alcalà de Xivert, Spain, 2002), and literature magazine <i>Camino</i> (Spain, 1999-2002)
CREATIVE WRITING	<ul style="list-style-type: none"> ▪ Workshops with professional writers Jorge Eduardo Benavides (Centro de Bellas Artes-Tenerife 1997, 1998; Madrid 2014, Spain) and Juan Jacinto Muñoz Rangel (Fuentetaja-Madrid, Spain, 2015) ▪ Prizes (short tales): [winner] <i>Encuentro de dos Mundos</i> (Ferney-Votaire, France, 2002), <i>Castillo de Pulpis</i> (Santa Magdalena de Pulpis, Spain, 2000), <i>Doña Pela</i> (Madrid, Spain, 2000), <i>Prosa literaria en valencià</i> (Lucena, Spain 1999); <i>Associazione Culturale del Laghetto</i> (Torino, Italy, 1999) and [runner-up] <i>Ràfol</i> (Chilches, Spain, 2001) ▪ Prose-poetry public reading: Centro de Estudios Contemporáneos (Valencia, Spain, 1998-2001)
SOCCER	<ul style="list-style-type: none"> ▪ Playing: I played soccer from 1981 to 2002, semi-professionally between 1986 and 1989. ▪ Coaching courses <ul style="list-style-type: none"> <i>Soccer Coach (level 2)</i>. National Coaching School CENAFE (Valencian Community, Spain, 2024) <i>Soccer Coach (level 1)</i>. National Coaching School CENAFE (Madrid, Spain, 2015-2016) <i>UEFA C licence</i>. Royal Spanish Football Federation (Castellón, Spain, in progress) ▪ Coaching experience <ul style="list-style-type: none"> <i>U18 Head Coach</i>. Club: Sporting de Castelló, 2023-2024 Season (Castellón, Spain) 1st Regional League / in progress <i>U18 Head Coach</i>. Club: Sporting de Castelló, 2022-2023 Season (Castellón, Spain) 2nd Regional League / Ladder = 7th <i>U16 Head Coach</i>. Club: Sporting de Castelló, 2021-2022 Season (Castellón, Spain) 2nd Regional League / Ladder = 3rd – top scoring team <i>U16 Supporting Coach</i>. Club: Escuela de Fútbol Rivas Vaciamadrid, 2021-2022 Season (Madrid, Spain)

Scientific activities as they happened...

marine sampling, Sahara, 1998



lizard sampling
Gredos, Spain, 2017



postgraduate lecturing
Madrid, Spain 2016



biodiversity prospection
Peruvian Amazon, 2004



marine sampling
North Sea, England 1994



biospeleological sampling
Levante, Spain 2001



freshwater metagenomic sampling
Picos de Europa, Spain, 2021