

Ana Benítez López

Born 3 September 1981; Spanish Nationality; married; one daughter

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Education

2009-2014: PhD in Environmental Science. University of Castilla-La Mancha, UCLM, Spain. “Ecology and conservation of Iberian sandgrouse: a multiscale approach - *Ecología y conservación de Pteróclidos ibéricos: una aproximación multiescalar*”. Score: *Summa Cum Laude*.

2009-2010: DEA (Diploma de Estudios Avanzados). University of Castilla-La Mancha, UCLM, Spain.

2005-2007: MSc in Biological Sciences: Natural Resources Management. Utrecht University, The Netherlands.

1999-2005: BSc in Environmental Sciences. University of Córdoba, Spain.

Professional Experience

Jan. 2023-Dec 2027: Ramón y Cajal Researcher. Museo Nacional de Ciencias Naturales (MNCN-CSIC, Spain).

Apr. 2022-Mar. 2026: EMERGIA Senior Researcher. University of Granada (UGR, Spain). Resigned in Dec. 2022.

Feb. 2022-Apr. 2022: Postdoc researcher. Estacion Biológica de Doñana (EBD-CSIC, Spain).

Apr. 2019-Nov. 2021: Juan de la Cierva-Incorporación postdoc researcher. Estacion Biológica de Doñana (EBD-CSIC, Spain). It includes 3 months of maternity leave.

Jul. 2015-Mar. 2019: Postdoc researcher. Radboud University (RU, the Netherlands).

Apr. 2015-Ongoing: Teacher and coordinator of MSc course “Bird Diversity and Conservation” for the MSc program “Técnicas de Conservación de la Biodiversidad y Ecología” at Universidad Rey Juan Carlos (URJC, Spain).

May 2013-Dec. 2014: Predoc guest researcher. Instituto de Investigación en Recursos Cinegéticos, (IREC, CSIC-UCLM-JCCM, Spain).

Jun. 2012-May 2013: PhD researcher. Instituto de Investigación en Recursos Cinegéticos (IREC, CSIC-UCLM-JCCM, Spain).

May 2009-Dec. 2011: PhD researcher. Instituto de Investigación en Recursos Cinegéticos (IREC, CSIC-UCLM-JCCM, Spain).

Oct. 2007-Apr. 2009: Junior researcher. Netherlands Environmental Assessment Agency (PBL, Planbureau voor de Leefomgeving), Bilthoven, The Netherlands.

Mar. 2007-Oct. 2007: Research intern. Netherlands Environmental Assessment Agency (PBL, Planbureau voor de Leefomgeving), Bilthoven, The Netherlands.

Grants and awards

2023 – 2027. Ramón y Cajal grant. Awarded by Ministerio de Ciencia e Innovación (MICINN). Museo Nacional de Ciencias Naturales (MNCN-CSIC). €305.777,56

2022 – 2026. EMERGIA grant. Awarded by Junta de Andalucía. University of Granada (UGR). €256 000. Resigned voluntarily.

2019 – 2021. Juan de la Cierva-Incorporación grant. Awarded by Ministerio de Economía, Industria y Competitividad (MINECO). Estación Biológica de Doñana (EBD-CSIC). €76.156,16

2012 – 2013. UCLM Research grant 2012-BIN-4462. University of Castilla-La Mancha. €11500.

2009 – 2010. PhD students mobility grant – *Ayuda de movilidad de estudiantes en estudios de doctorado con Mención de Calidad para el curso 2009-2010*. Spanish Ministry of Education and Science. €5360.

2008 – 2009. PhD students mobility grant – *Ayuda de movilidad de estudiantes en estudios de doctorado con Mención de Calidad para el curso 2008-2009*. Spanish Ministry of Education and Science. €1920.

2006. Miquel Fonds sponsorship for fieldwork trip to Vietnam. €450.

2006. KF Hein Fonds sponsorship for fieldwork trip to Vietnam. €900.

2006. Trajectum grant (Utrecht University) for fieldwork trip to Vietnam. €250.

2004 – 2005: Sócrates-Erasmus grant. Spanish Ministry of Education and Science. €1800.

2003 – 2004: Sicue-Séneca grant. Spanish Ministry of Education and Science. €5000.

Participation in Research Projects

Competitive calls

2024-2029. Terrestrial Biodiversity: understanding and mitigation of impact from Pollution of Light And Noise (BioPLAN). 3 598 607.50€. PI: Hans Slabbekoorn (Leiden University, the Netherlands). Participation: Work Package leader (submitted)

2024-2026. Upscaling Red List assessments for rapid and effective global biodiversity monitoring (sRedList_2.0). 1 220 634€. PI: Luca Santini (Sapienza University, Italy). Participation: Researcher and WP Leader (passed to 2nd phase, full proposal submitted).

2023-2026. Revisit Island Vulnerability during the Anthropocene Geologic Era (RIVAGE). 2022 FRB-CESAB Call. XXX€ PI: Céline Bellard (Université Paris-Saclay), Daniel Kissling (UvA) Participation: Researcher and Task Leader.

2022-2024. Evidence-based solutions for an ecological transition compatible with the conservation of steppe birds (ELECTROSTEPPE). Proyectos de Transición Ecológica y Transición Digital 2021, MICINN. 159 850 € PI: François Mougeot (IREC-CSIC-UCLM) & **Ana Benítez** (MNCN-CSIC). **Participation: co-PI.**

2022-2026. NaturaConnect - Designing a resilient and coherent Trans-European Network for Nature and People. Innovation Action. Horizon Europe Work Programme 2021-2022. 9 857 390 € PI: Piero Visconti (IIASA), Henrique Pereira (MLU) and Nestor Fernández (iDiv). Participation: Researcher (awarded, I left the project due to a change of institutions).

2022-2025. Scaling up defaunation impacts: from local ecological networks to pantropical carbon-biodiversity relationships (DEFNETCARBON). Secretaría General de Universidades, Investigación y Tecnología, Junta de Andalucía. EMERGIA grant. 257 000 € PI: **Ana Benítez** (University of Granada, UGR). **Participation: PI** (discontinued in 31 Dec. 2022 due to resignation after being awarded the Ramón y Cajal grant).

2022-2025. Spatial and temporal MISMATCHes of ecological interactions resulting from climate change (MISMATCH). Ministerio de Economía, Industria y Competitividad (MINECO). 185 000 € PI: Irene Mendoza (EBD-CSIC). Participation: Researcher.

2020-2023. Ecología espacial, movimientos y conectividad de la población de ganga ibérica en el P.N. de Doñana en relación con dinámica de la marisma y cambios de usos del suelo (GANGAMOVE). Organismo Autónomo Parques Nacionales. 64 477.05 € PI: Pedro Jordano, **co-PI: Ana Benítez** (EBD-CSIC). **Participation: co-PI.**

2021-2024. Sustainability for Mediterranean Hotspots in Andalusia integrating LifeWatch ERIC (SUMHAL) - eLabs-BioINTERACT : ecological interactions as biodiversity and ecosystem service components. LifeWatch ERIC. 984.745 €. PI: Pedro Jordano (EBD-CSIC). Participation: Researcher.

2021-2023. Ecological webs: from interaction motifs to large multilayer networks (ECOWEBS-PAIDI_2020-P20_00736). Secretaría General de Universidades, Investigación y Tecnología, Junta de Andalucía. 116 200 € PI: Pedro Jordano (EBD-CSIC). Participation: Researcher.

2021-2023. Accelerating IUCN Red List assessments for rapid and effective biodiversity monitoring ([sRedList](#)). sDiv Working Group Proposal, iDiv. 216 385€. PI: Luca Santini and Moreno di Marco (NRC and Sapienza University). Participation: Researcher.

2018-2021. Dispersal by animal frugivores and range expansion in plants: a multilayer network approach (DISPMULTLAYER). Ministerio de Economía, Industria y Competitividad (MINECO). 195 000 €. PI: Pedro Jordano (EBD-CSIC). Participation: Researcher.

2019-2021. Cascading effects of defaunation on ecosystem functioning of tropical forests: a pantropical approach (DEFTROP). Juan de la Cierva-Incorporación grant. Ministerio de Economía, Industria y Competitividad (MINECO). 76.156,16 €. **PI: Ana Benítez** (EBD-CSIC).

2019-2020. Climate change and phenology: long-term temporal dynamics of mutualistic ecological networks (TEMPNET), MSCA Action. 170 121.60 €. PI: Irene Mendoza (EBD-CSIC). Participation: Researcher.

2019-2023. Climate change and bats: from science to conservation ([CLIMBATS](#)). European Commission, COST Action (CA18107). 400 000 €. PI: Danilo Russo. (University of Naples Federico II). Participation: Researcher.

2015-2019. GLOBIO 4 Global Methodology for Mapping Human Impacts on the Biosphere. Funded by the Dutch Ministry of Agriculture, Nature and Food Quality, Dutch Ministry of Spatial Planning, Housing and the Environment and Dutch Ministry of Foreign Affairs. PI: Aafke Schipper. Participation: Researcher.

2009-2012. Sandgrouse (*Pterocles spp.*) in Castille-La Mancha and other regions: scientific basis for their conservation in relation with hunting activities and other land uses. Funded by the National Program for Biodiversity, Earth Science and Global Change; Spanish Ministry of Education and Science. 207 636 €. PI: Javier Viñuela Madera. Participation: Researcher.

2008-2009. EURURALIS: Evaluation of the role of European agricultural areas on biodiversity conservation. Funded by the Dutch Ministry of Agriculture, Nature and Food Quality. PI: Rob Alkemade, Anne Gerdien Prins. Participation: Researcher.

2007-2009. GLOBIO 3: Global Methodology for Mapping Human Impacts on the Biosphere. Funded by the Dutch Ministry of Agriculture, Nature and Food Quality, Dutch Ministry of Spatial Planning, Housing and the Environment and Dutch Ministry of Foreign Affairs. PI: Rob Alkemade. Participation: Researcher.

Contracts

2017. Habitat suitability modelling amphibians. PBL Netherlands Environmental Assessment Agency. **PI: Ana Benítez.** (Radboud University). 20.660 €.

2016. Updating land use impacts on local biodiversity. PBL Netherlands Environmental Assessment Agency. **PI: Ana Benítez.** (Radboud University). 39.833,2 €.

2015. Database human encroachment and biodiversity. PBL Netherlands Environmental Assessment Agency. **PI: Ana Benítez.** (Radboud University). 24.890 €.

2012-2013. Monitoring the environmental status of Biosphere Reserves. Funded by the Spanish Ministry of Environment and Rural Areas. PI: Javier Viñuela.

2011-2012. Genetic characterization and variability of the pin-tailed sandgrouse (*Pterocles alchata*) population in Bardenas Reales Natural Park: connectivity with other sandgrouse populations. Funded by Comunidad Bardenas Reales. 30 000 €. PI: Jesús T. García and Fabián Casas.

2010-2011. Habitat selection, spatial ecology, survival and mortality causes of pin-tailed sandgrouse (*Pterocles alchata*) in Bardenas Reales Natural Park. Funded by Comunidad Bardenas Reales. 35 380 €. PI: Jesús T. García and Fabián Casas.

2009-2010. Applying radio- and satellite-tracking to study the movements and habitat use of the pin-tailed sandgrouse (*Pterocles alchata*) in Bardenas Reales Natural Park. Funded by Comunidad Bardenas Reales. 35 000 €. PI: Jesús T. García and Fabián Casas.

Publications

SCI-articles

Preprints

39p. Campo-Celada, M., Mendoza, I., **Benítez-López, A.**, Gutiérrez-Expósito, C., Rabadán-González, J., Jordano, P. Assessing short- and long-term variations in diversity, timing and body condition of migratory frugivorous birds. bioRxiv. <https://doi.org/10.1101/2020.10.27.356709> (published in Oikos)

37p. Ferreiro-Arias, I., Isla, J., Jordano, P. , **Benítez-López, A.** Temporal and trophic partitioning promote coexistence between mesocarnivores in a Mediterranean landscape. bioRxiv. <https://doi.org/10.1101/2020.11.05.370403> (published in Ecol. Evol.)

32p. **Benítez-López, A.**, Santini, L., Gallego-Zamorano, J., Milá, B., Walkden, P., Huijbregts, M. A. J., Tobias, J. A. (2020). The island rule explains consistent patterns of body size evolution in terrestrial vertebrates. bioRxiv. <https://doi.org/10.1101/2020.05.25.114835> (published in Nat. Ecol. Evol.)

30p. Santini, L., **Benítez-López, A.**, Čengić, M., Huijbregts, M. A. J. (2020). Assessing the reliability of species distribution projections in climate change research. bioRxiv. <https://doi.org/10.1101/2020.06.10.143917> (published in Divers. Distrib.)

23p. **Benítez-López, A.**, & Santini, L. (2019). Game of Tenure: the role of “hidden” citations on researchers’ ranking in Ecology. EcoEvoRxiv. <https://doi.org/10.32942/osf.io/u9x68> (published in Frontiers Biogeogr.)

Published

51. Jenkins, G. B., Beckerman, A., Bellard, C., **Benítez-López, A.**, Ellison, A., Foote, C. G., Hufton, A. L., Lashley, M., Lortie, C. J., Ma, Z., Moore, A., Narum, S., Nilsson, J., O’Boyle, B., Provete, D. B., Razgour, O., Rieseberg, L., Riginos, C., Santini, L., Sibbett, B., Peres-Neto, P. (2023) Reproducibility in ecology & evolution: minimum standards for data and code. Ecology and Evolution. doi: 10.1002/ece3.9961 (Editorial)

50. Santini L., Tobias, J. A., Callaghan, C. T., Gallego-Zamorano, J., **Benítez-López, A.** (2023) Global patterns and predictors of avian population density. Global Ecology and Biogeography. doi: 10.1111/geb.13688.

49. Rozzi, R., Lomolino, M. V., van der Geer, A. A. E., Silvestro, D., Lyons, S. K., Bover, P., Alcover, J. A., **Benítez-López, A.**, Cheng-Hsiu, T., Fujita, M., Kubo, M. O., Ochoa, J., Scarborough, M. E., Turvey, S. T., Zizka, A., Chase, J. M. (2023) Dwarfism and gigantism drive human-mediated extinctions on islands. Science 379, 1054-1059. doi: 10.1126/science.add8606

48. Henry, E., Santini, L., Huijbregts, M. A. J., **Benítez-López, A.** (2023) Unveiling the environmental drivers of intraspecific body size variation in terrestrial vertebrates. Global Ecology and Biogeography 32, 267– 280. doi: 10.1111/geb.13621

47. Wallach, A. D., Ramp, D., **Benítez-López, A.**, Wooster, E., Carroll, S., Carthey, A., Rogers, E., Middleton, O., Zawada, K. J. A., Svenning, J-C, Avidor, E., Lundgren, E. (2022) Savviness of prey to introduced predators. *Conservation Biology* 00, e14012. doi: 10.1111/cobi.14012
46. de Jonge, M. M. J., Gallego-Zamorano, J., Schipper, A. M., Huijbregts, M. A. J., **Benítez-López, A.** (2022) The impacts of linear infrastructure on terrestrial vertebrate populations: a trait-based approach. *Global Change Biology* 28, 7217– 7233. doi: 10.1111/gcb.16450
45. Bellard, C., **Benítez-López, A.**, Razgour, O., Santini, L., Zhan, A. (2022) Recent developments in Diversity and Distributions and trends in the field. *Diversity and Distributions* 28, 2038-2041. doi: 10.1111/ddi.13625 (Editorial)
44. Festa F., Ancillotto, L., Santini, L., Pacifici M., Rocha R., Toshkova N., Amorim F., **Benítez-López, A.**, Domer-Yechezkel, A., Hamidovic, D., Kramer-Schadt, S., Mathews, F., Radchuk, V., Rebelo, H. Ruczynski, I., Solem, E., Tsoar, A., Russo, D., Razgour, O. (2023) Bat responses to climate change: a systematic review. *Biological Reviews* 98, 19-33. doi: 10.1111/brv.12893
43. Broekman, M. J. E., Hilbers, J. P., Schipper, A. M., **Benítez-López, A.**, Santini, L., Huijbregts M. A. J. (2022) Time-lagged effects of habitat fragmentation on terrestrial mammals in Madagascar. *Conservation Biology* 36, e13942. doi: 10.1111/cobi.13942
42. Plumptre, A. J., Baisero, D., **Benítez-López, A.**, Faurby, S., Gallego-Zamorano, J., Köhl, H., Luna-Arangurú, C., Vázquez-Domínguez, E., Voigt, M., Wich, S., Wint, G.R.W. (2022) Response: Where might we find ecologically intact communities? *Frontiers in Forests and Global Change* 5, 880353. doi: 10.3389/ffgc.2022.880353
41. Santini L., **Benítez-López, A.**, Dormann C., Huijbregts, M. A. J. (2022) Population density estimates for terrestrial mammal species. *Global Ecology and Biogeography* 31, 978–994. doi: 10.1111/geb.13476
40. Cazalis, V., di Marco, M., Butchart, S.H.M., Akçakaya, H. R., González-Suárez, M., Meyer, C., Clausnitzer, V., Böhm, M., Zizka, A., Cardoso, P., Schipper, A. M., Bachman, S. P., Young, B. E., Hoffman, M., **Benítez-López, A.**, Lucas, P. M., Pettorelli, N., Patoine, G., Pacifici, M., Jörger-Hickfang, T., Brooks, T. M., Rondinini, C., Hill, S. L. L., Visconti, P., Santini, L. (2022) Bridging the research-implementation gap in IUCN Red List assessments. *Trends in Ecology and Evolution* 37, 359–370. doi: 10.1016/j.tree.2021.12.002
39. Campo-Celada, M., Jordano, P. , **Benítez-López, A.**, Gutiérrez-Expósito, C., Rabadán-González, J., Mendoza, I. (2022) Assessing short- and long-term variations in diversity, timing and body condition of migratory frugivorous birds. *Oikos* 2022: e08387. doi: 10.1111/oik.08387
38. Boonman, C. C. F., Huijbregts, M. A. J., **Benítez-López, A.**, Schipper, A. M., Thuiller, W., Santini, L. (2022) Trait-based projections of climate change effects on global biome distributions. *Diversity and Distributions* 28, 25–37. doi: 10.1111/ddi.13431
37. Ferreiro-Arias, I., Isla, J., Jordano, P. , **Benítez-López, A.** (2021) Fine-scale coexistence between Mediterranean mesocarnivores is mediated by spatial, temporal and trophic resource partitioning. *Ecology and Evolution* 11, 15520 – 15533. doi: 10.1002/ece3.8077

36. Santini, L., Antão, L., Jung, M., **Benítez-López, A.**, Rapacciuolo, G., Di Marco, M., Jones, F., Haghkerdar, J. M., Gonzalez-Suarez, M. (2021) The interface between Macroecology and Conservation: existing links and untapped opportunities. *Frontiers of Biogeography* 13.4, e53025. doi: 10.21425/F5FBG53025
35. Ingram, D. J., Coad, L., Milner-Gulland, E. J., Parry, L., Wilkie, D., Bakarr, M.I., **Benítez-López, A.**, Bennett, E. L., Bodmer, R., Cowlshaw, G., El Bizri, H. R., Eves, H.E., Fa, J. E., Golden, C. D., Midoko Iponga, D., Văn Minh, N., Morcatty, T. Q., Mwinyihali, R., Nasi, R., Nijman, V., Ntiamoa-Baidu, Y., Pattiselano, F., Peres, C. A., Rao, M., Robinson, J. G., Rowcliffe, J. M., Stafford, C., Supuma, M., Nchembi Tarla, F., van Vliet, N., Wieland, M., Abernethy, K. (2021) Wild meat is still on the menu: Progress in wild meat research, policy and practice from 2002 to 2020. *Annual Review of Environment and Resources* 46, 19.1–19.34. doi: 10.1146/annurev-environ-041020-063132
34. de Jonge, M. M. J., **Benítez-López, A.**, Hennekens, S., Santini, L., Huijbregts, M. A. J., Schipper, A. M. (2021) Conditional love? Co-occurrence patterns of drought-sensitive species in European grasslands are consistent with the stress-gradient hypothesis. *Global Ecology and Biogeography* 30, 1609–1620. doi: 10.1111/geb.13323
33. Plumptre, A. J., Baisero, D., Belote, T., Vázquez-Domínguez, E., Faurby, S., Jędrzejewske, W., Kiara, H., Kühl, H., **Benítez-López, A.**, Luna-Aranguré, C., Voigt, M., Wich, S., Wint, G.R.W., Gallego-Zamorano, J., Boyd, C. (2021) Where might we find ecologically intact communities? *Frontiers in Forest and Global Change* 4: 626635. doi: 10.3389/ffgc.2021.626635
32. **Benítez-López, A.**, Santini, L., Gallego-Zamorano, J., Milá, B., Walkden, P., Huijbregts, M. A. J., Tobias, J. A. (2021) The island rule explains consistent patterns of body size evolution in terrestrial vertebrates. *Nature, Ecology and Evolution* 5, 768–786. doi: 10.1038/s41559-021-01426-y
31. Fuzessy, L., **Benítez-López, A.**, Slade, E. M., Bufalo, F. S., de Souza, G. C. M., Pereira, L. A., Culot, L. (2021) Identifying the anthropogenic drivers of declines in tropical dung beetle communities and functions. *Biological Conservation* 256, 109063. doi: 10.1016/j.biocon.2021.109063
30. Santini, L., **Benítez-López, A.**, Čengić, M., Huijbregts, M. A. J. (2021) Assessing the reliability of species distribution projections in climate change research. *Diversity and Distributions* 27, 1035–1050. doi: 10.1111/ddi.13252
29. Downey, H., Amano, T., Cadotte, M., Cook, C.N., Cooke, S.J., Haddaway, N.R., Jones, J.P.G., Littlewood, N., Walsh, J.C., Abrahams, M.I., Adum, G., Akasaka, M., Alves, J.A., Antwis, R.E., Arellano, E.C., Axmacher, J., Barclay, H., Batty, L., **Benítez-López, A.**, Bennett, J.R., Berg, M.J., Bertolino, S., Biggs, D., Bolam, F.C., Bray, T., Brook, B.W., Bull, J.W., Burivalova, Z., Cabeza, M., Chauvenet, A.L.M., Christie, A.P., Cole, L., Cotton, A.J., Cotton, S., Cousins, S.A.O., Craven, D., Cresswell, W., Cusack, J.J., Dalrymple, S., Davies, Z.G., Diaz, A., Dodd, J.A., Felton, A., Fleishman, E., Gardner, C.J., Garside, R., Ghoddousi, A., Gilroy, J.J., Gill, D.A., Gill, J.A., Glew, L., Grainger, M.J., Grass, A.A., Greshon, S., Gundry, J., Hart, T., Hopkins, C.R., Howe, C., Johnson, A., Jones, K.W., Jordan, N.R., Kadoya, T., Kerhoas, D., Koricheva, J., Lee, T.M., Lengyel, S., Livingstone, S.W., Lyons, Ashley., McCabe, G., Millett, J., Montes Strevens, C., Moolna, A.,

Mossman, H.L., Mukherjee, N., Muñoz-Sáez, A., Negrões, N., Norfolk, O., Osawa, T., Papworth, S., Park, K.J., Pellet, J., Phillott, A.D., Plotnik, J.M., Priatna, D., Ramos, A.G., Randall, N., Richards, R.M., Ritchie, E.G., Roberts, D.L., Rocha, R., Rodríguez, J.P., Sanderson, R., Sasaki, T., Savilaakso, S., Sayer, C., Sekercioglu, C., Senzaki, M., Smith, G., Smith, R.J., Soga, M., Soulsbury, C.D., Steer, M.D., Stewart, G., Strange, E.F., Suggitt, A.J., Thompson, R.R.J., Thompson, S., Thornhill, I., Trevelyan, R.J., Usieta, H.O., Venter, O., Webber, A.D., White, R.L., Whittingham, M.J., Wilby, A., Yarnell, R.W., Zamora, V., Sutherland, W.J. (2021) Training future generations to deliver evidence-based conservation and ecosystem management. *Ecological Solutions and Evidence* 2(1):e12032. doi: 10.1002/2688-8319.12032

28. Cimatti, M., Ranc, N., **Benítez-López, A.**, Maiorano, L., Boitani, L., Cagnacci, F., Čengić, M., Ciucci, P., Huijbregts, M. A. J., Krofel, M., López-Bao, J.V., Selva, N., Andren, H., Bautista, C., Cirovic, D., Hemmingmoore, H., Reinhardt, I., Marenče, M., Mertzanis, Y., Pedrotti, L., Trbojević, I., Zetterberg, A., Zwijacz-Kozica, T., Santini, L. (2021) Large carnivore expansion in Europe is associated with human population density and land cover changes. *Diversity and Distributions* 27, 602–617. doi: 10.1111/ddi.13219

27. Romero-Muñoz, A., Fandos, G., **Benítez-López, A.**, Kuemmerle, T. (2021) Habitat destruction and overexploitation drive widespread declines in all facets of mammalian diversity in the Gran Chaco. *Global Change Biology* 27(4), 755-767. doi: 10.1111/gcb.15418

26. Tarjuelo, R., **Benítez-López, A.**, Casas, F., Martín, C. A., García, J.T., Viñuela, J., Mougeot, F. (2020) Living in dynamic agrarian pseudo-steppes: the role of natural and semi-natural habitats in the movements and habitat selection of a declining farmland bird. *Biological Conservation* 251, 108794. doi: 10.1016/j.biocon.2020.108794

25. Romero-Muñoz, A., **Benítez-López, A.**, Zurell, D., Baumann, M., Camino, M., Decarre, J., Giordano, A. J., Gómez-Valencia, B., Levers, C., Noss, A. J., Quiroga, V., Thompson, J., Torres, R., Velilla, M., Weiler, A., Kuemmerle, T. (2020) Increasing synergistic effects of habitat destruction and hunting on mammals over three decades in the Gran Chaco. *Ecography* 43, 954-966. doi: 10.1111/ecog.05053

24. Boonman, C. C. F., **Benítez-López, A.**, Schipper, A. M., Thuiller, W., Anand, M., Cerabolini, B. E. L., Cornelissen, J. H. C., Gonzalez-Melo, A., Hattingh, W. N., Higuchi, P., Laughlin, D. C., Onipchenko, V. G., Peñuelas, J., Poorter, L., Soudzilovskaia, N. A., Huijbregts, M. A. J., Santini, L. (2020) Assessing the reliability of predicted plant trait distributions at the global scale. *Global Ecology and Biogeography* 29(6), 1034-1051. doi: 10.1111/geb.13086

23. **Benítez-López, A.**, & Santini, L. (2020) Game of Tenure: the role of “hidden” citations on researchers’ ranking in Ecology. *Frontiers of Biogeography* 12.1, e45195. doi: 10.21425/F5FBG45195

22. Gallego-Zamorano J., **Benítez-López A.**, Santini L, Hilbers J.P., Huijbregts M.A.J., Schipper A. M. (2020). Combined effects of land use and hunting on distributions of tropical mammals. *Conservation Biology* 34(5), 1271–1280. doi: 10.1111/cobi.13459 – “Rising Star award”

21. Schipper, A. M., Hilbers, J. P., Meijer, J. R., Antão, L. H., **Benítez-López, A.**, de Jonge, M. J. M., Leemans, L. H., Scheper, E., Alkemade, R., Doelman, J. C., Mylius, S., van Zeist, W.-J.,

Huijbregts, M. A. J. (2020) Projecting terrestrial biodiversity intactness with GLOBIO 4. *Global Change Biology*, 26(2), 760–771. doi: 10.1111/gcb.14848

20. Douziech, M., **Benítez-López, A.**, Ernstoff, A., Askham, C., Hendriks, A. J., King, H., Huijbregts, M. A. J. (2020). A regression-based model to predict chemical migration from packaging to food. *Journal Of Exposure Science And Environmental Epidemiology* 30(3), 469-477. doi: 10.1038/s41370-019-0185-7

19. **Benítez-López, A.**, Santini, L., Schipper, A. M., Busana, M., Huijbregts, M. A. J. (2019). Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. *PLoS Biology*, 17(5), e3000247. doi: 10.1371/journal.pbio.3000247

18. Midolo, G., Alkemade, R., Schipper, A. M., **Benítez-López, A.**, Perring, M. P., De Vries, W. (2019). Impacts of nitrogen addition on plant species richness and abundance: A global meta-analysis. *Global Ecology and Biogeography*, 28(3), 398-413. doi: 10.1111/geb.12856

17. Santini, L., Butchart, S. H., Rondinini, C., **Benítez-López, A.**, Hilbers, J. P., Schipper, A. M., Čengić, M., Tobias, J. A., Huijbregts, M. A. J. (2019). Applying habitat and population-density models to land-cover time series to inform IUCN Red List assessments. *Conservation Biology* 33(5) 1084–1093. doi: 10.1111/cobi.13279 – Editor’s choice October 2019

16. **Benítez-López, A.** (2018). Animals feel safer from humans in the dark. *Science*, 360(6394), 1185-1186. doi: 10.1126/science.aau1311

15. Douziech, M., Conesa, I. R., **Benítez-López, A.**, Franco, A., Huijbregts, M., van Zelm, R. (2018). Quantifying variability in removal efficiencies of chemicals in activated sludge wastewater treatment plants—a meta-analytical approach. *Environmental Science: Processes & Impacts*, 20(1), 171-182. doi: 10.1039/c7em00493a

14. Santini, L., **Benítez-López, A.**, Ficetola, G. F., Huijbregts, M. A. J. (2018). Length–mass allometries in amphibians. *Integrative zoology*, 13(1), 36-45. doi: 10.1111/1749-4877.12268

13. Lam, W. Y., van Zelm, R., **Benítez-López, A.**, Kulak, M., Sim, S., King, J. H., Huijbregts, M. A. J. (2018). Variability of Greenhouse Gas Footprints of Field Tomatoes Grown for Processing: Interyear and Intercountry Assessment. *Environmental science & technology*, 52(1), 135-144. doi: 10.1021/acs.est.7b04361

12. **Benítez-López, A.**, Alkemade, R., Schipper, A. M., Ingram, D. J., Verweij, P. A., Eikelboom, J. A. J., Huijbregts, M. A. J. (2017). The impact of hunting on tropical mammal and bird populations. *Science* 356(6334), 180-183. doi: 10.1126/science.aaj1891

11. **Benítez-López, A.**, Viñuela, J., Mougeot, F., García, J.T. (2017). A multi-scale approach for identifying conservation needs of two threatened sympatric steppe birds. *Biodiversity and Conservation* 26 (1), 63-83. doi: 10.1007/s10531-016-1222-7

10. Casas, F., **Benítez-López, A.**, Tarjuelo, R., Barja, I., Viñuela, J., García, J.T., Morales, M.B., Mougeot, F. (2016). Changes in behaviour and faecal glucocorticoid levels in response to increased human activities during weekends in the pin-tailed sandgrouse. *The Science of Nature* 103 (11-12), 91 doi: 10.1007/s00114-016-1416-6

9. **Benítez-López, A.** & García-Egea, I. (2015). First record of an aberrantly colored Pin-tailed sandgrouse *Pterocles alchata*. *Wilson Journal of Ornithology* 127, 755-759. doi: 10.1676/15-013
8. **Benítez-López, A.**, Mougeot, F., García, J. T., Martín, C. A., Viñuela, J. (2015). Individual traits and extrinsic factors influence survival of the threatened pin-tailed sandgrouse (*Pterocles alchata*) in Europe. *Biological Conservation* 187, 192-200. doi: 10.1016/j.biocon.2015.04.019
7. Tarjuelo, R., Barja, I., Morales, M.B., Traba, J., **Benítez-López, A.**, Casas, F., Arroyo, B., Delgado, P., Mougeot, F. (2015). Effects of human activity on physiological and behavioral responses of an endangered steppe bird. *Behavioral Ecology* 26, 828-838. doi: 10.1093/beheco/arv016
6. Casas, F., **Benítez-López, A.**, García, J. T., Martín, C. A., Viñuela, J., Mougeot, F. (2015). Assessing the short-term effects of capture, handling and tagging of sandgrouse. *Ibis* 157, 115-124. doi: 10.1111/ibi.12222
5. **Benítez-López, A.**, Viñuela, J., Suárez, F., Hervás, I., García, J.T. (2014). Niche-habitat mechanisms and biotic interactions explain the coexistence and abundance of congeneric sandgrouse species. *Oecologia* 176, 193-206. doi: 10.1007/s00442-014-3010-y
4. Mougeot, F., **Benítez-López, A.**, Casas, F., García, J.T., Viñuela, J. (2014). A temperature-based monitoring of nest attendance patterns and disturbance effects during incubation by ground-nesting sandgrouse. *Journal of Arid Environments* 102, 89-97. doi: 10.1016/j.jaridenv.2013.11.010
3. **Benítez-López, A.**, Viñuela, J., Hervás, I., Suárez, F., García, J.T. (2014). Modelling sandgrouse (*Pterocles spp.*) distributions and large-scale habitat requirements in Spain: implications for conservation. *Environmental Conservation* 41, 132-143. doi: 10.1017/S0376892913000192
2. **Benítez-López, A.**, Mougeot, F., Martín, C.A., Casas, F., Calero-Riestra, M., García, J.T., Viñuela, J. (2011). An improved night-lighting technique for the selective capture of sandgrouse and other steppe birds. *European Journal of Wildlife Research* 57, 389-393. doi: 10.1007/s10344-010-0437-2
1. **Benítez-López, A.**, Alkemade, J.R., Verweij, P.A. (2010). The impact of roads and other infrastructure on mammal and bird populations: a meta-analysis. *Biological Conservation* 147, 1307-1316. doi: 10.1016/j.biocon.2010.02.009

Books and book chapters

Mougeot, F., **Benítez-López, A.** (2022). Ganga ibérica *Pterocles alchata*. In: *III Atlas de las Aves en Época de Reproducción en España*, ed. B. Molina, A. Nebreda, A- R- Muñoz, J. Seoane, R. Real, J. Bustamante and J. C. del Moral. SEO/BirdLife, Madrid. (BC)

Mougeot, F., Fernández-Tizón, M., Tarjuelo, R., **Benítez-López, A.** & Jiménez, J. (2021). *La ganga ibérica y la ganga ortega en España, población reproductora en 2019 y método de censo*. SEO/BirdLife. Madrid. (B)

Benítez-López, A. & Palacín, C. (2020). Black-bellied sandgrouse *Pterocles orientalis*. In: *European Breeding Bird Atlas 2 (EBBA2)*, ed. Verena Keller, Sergi Herrando, Petr Vorišek, Martí Franch, Marina Kipson, Pietro Milanese, David Martí, Marc Anton, Alena Klvanová, Mikhail V. Kalyakin, Hans-Günther Bauer & Ruud P.B. Foppen. Lynx Edicions. (BC)

Benítez-López, A. & García, J. T. (2012). Ganga ibérica (*Pterocles alchata*). In: *Atlas de las aves en invierno en España 2007–2010*, ed. SEO/BirdLife, pp. 314-315. Ministerio de Agricultura, Alimentación y Medio Ambiente-SEO/BirdLife. Madrid. (BC)

Popular science articles

Mougeot, F., Fernández-Tizón, M., Tarjuelo, R., **Benítez-López, A.**, Jiménez, J. (2021) El declive de las gangas. *Aves y naturaleza* no 35, la revista de SEO/Birdlife, pp 42-43. <https://digital.csic.es/handle/10261/264846>

Testroote, E., Jongejans, E., **Benítez, A.**, Schillemans, M. (2016) Habitatvoorkeur van vleermuizen in de urbane omgeving. *Zoogdier* 27, 16 – 17.

Scientific and technical reports

Benítez-López, A. 2014. Ecology and conservation of Iberian sandgrouse: a multiscale approach - *Ecología y conservación de Pteroclidos ibéricos: una aproximación multiescalar*. PhD dissertation. University of Castilla-La Mancha, UCLM, Spain.

Benítez-López, A., Viñuela, J. 2011. Comparative analysis between nesting bird populations in relation to annual hydrological conditions of wetlands in Ciudad Real province - *Análisis comparativo de poblaciones de aves acuáticas nidificantes en función de la variación de las condiciones hidrológicas anuales en los humedales de la provincia de Ciudad Real*. Unpublished report.

Benítez-López, A. 2010. Factors determining the distribution and abundance of the pin-tailed sandgrouse (*Pterocles alchata*) and the black-bellied sandgrouse (*Pterocles orientalis*) in Spain - *Factores que afectan a la distribución y abundancia de la ganga ibérica (Pterocles alchata) y la ganga ortega (Pterocles orientalis) en España*. DEA Thesis. University of Castilla-La Mancha, UCLM, Spain.

Benítez-López, A., Alkemade, R. & Verweij, P.A. 2009. Are mammal and bird populations declining in the proximity of roads and other infrastructure? Systematic Review No. 68. Collaboration for Environmental Evidence. <http://www.environmentalevidence.org/wp-content/uploads/2014/07/SR68.pdf>

Benítez-López, A. 2007. Impacts of infrastructure development on biodiversity: Assessment of direct and indirect effects with GLOBIO 3. Master Thesis (33 ECTS). Utrecht University, The Netherlands.

Benítez-López, A. 2007. Biomass allocation, light interception and growth of native species in an enrichment planting scheme in Vietnam. Master Thesis (50 ECTS). Utrecht University, The Netherlands.

Benítez-López, A. 2005. Belowground Neighbour Detection in clonal plant *Trifolium repens*. BSc Research project (45 ECTS). Utrecht University, The Netherlands.

Contributions to Scientific Events

2023. Hurtado, C. M., Gonçalo Curveira-Santos, Alvaro García- Olaechea, Robyn Appleton, Cristian Barros, Txomin Hermosilla, Diego J. Lizcano, Jaime Salas, Zoila Vega, **Ana Benítez-López**, Angela Brennan & A. Cole Burton. The importance of connectivity for carnivore richness and occupancy in fragmented biodiversity hotspots. Oral communication. 31st International Congress for Conservation Biology (ICCB 2023), Kigali, Rwanda (July 23 – July 27, 2023).

2022. de Jonge, M. M. J., Gallego-Zamorano, J., Huijbregts, M. A. J., Schipper, A. M., **Benítez-López, A.** Impacts of linear infrastructure on vertebrate abundance. Oral communication. NWO Life 2022, Egmond aan Zee, the Netherlands (May 24 – May 25, 2022).

2021. Campo, M., Jordano, P. , **Benítez-López, A.**, Gutiérrez-Expósito, C., Rabadán-González, J., Mendoza, I. Assessing short- and long-term variations in diversity, timing and body condition of migratory frugivorous birds. Oral communication. XV National Congress of AEET, Plasencia, Spain (Oct 18 – Oct 22, 2021).

2021. Ferreiro-Arias, I., Isla, J., Jordano, P. , **Benítez-López, A.** Temporal and trophic partitioning promote coexistence between mesocarnivores in a Mediterranean landscape. Oral communication. XV National Congress of AEET, Plasencia, Spain (Oct 18 – Oct 22, 2021).

2020. Co-organization of Symposium “Two sides of the coin: Defaunation and rewilding effects on frugivory and seed dispersal processes.” Organizers: Carolina Bello, Nacho Villar, Jens Svenning, **Ana Benítez-López**. 7th Frugivores and Seed Dispersal (FSD) Symposium, Corbett Landscape, India (March 2 – 6, 2020).

2019. Benítez-López, A., Santini, L., Schipper, A. M., Busana, M., Huijbregts, M. A. J. Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. Oral presentation. 56th Annual meeting of the Association for Tropical Biology and Conservation, Antananarivo, Madagascar (July 30 – August 3, 2019).

2019. Benítez-López, A., Santini, L., Schipper, A. M., Busana, M., Huijbregts, M. A. J. Intact but empty forests? Patterns of hunting-induced mammal defaunation in the tropics. Oral presentation. 4th Open Science Meeting of the Global Land Programme, Bern, Switzerland (April 24 – April 26, 2019). (Invited to Symposium)

2019. Benítez-López, A., Santini, L., Walkden, P. A., Tobias, J. A., Gallego-Zamorano, J., Milá, B., Huijbregts, M. A. J. Assessing the generality of the island rule across vertebrate taxa using meta-analytical techniques. Oral communication. 9th Biennial Conference of the International Biogeography Society, Málaga, Spain. (January 8 – January 12, 2019).

2019. Benítez-López, A., Santini, L., Schipper, A. M., Busana, M., Huijbregts, M. A. J. Intact or empty forests? Patterns of hunting-induced mammal defaunation in the tropics. Poster. 9th Biennial Conference of the International Biogeography Society, Málaga, Spain. (January 8 – January 12, 2019).

2019. Gallego-Zamorano, J., Benítez-López, A., Santini, L., Hilbers, J., Huijbregts, M. A. J., Schipper, A. M. Quantifying habitat loss of tropical mammals due to the combined effects of

land use and hunting. Oral communication. 29th International Congress for Conservation Biology (ICCB 2019), Kuala Lumpur, Malaysia (July 21 – July 25, 2019).

2019. Santini, L., **Benítez-López, A.**, Čengić, M., Maiorano, L., Huijbregts, M. A. J. Extent of study area in species distribution models determines the species' risk of extinction under climate change. Oral communication. 29th International Congress for Conservation Biology (ICCB 2019), Kuala Lumpur, Malaysia (July 21 – July 25, 2019).

2018. **Benítez-López, A.**, Santini, L., Gallego-Zamorano, J., Milá, B., Huijbregts, M. A. J. Assessing the generality of the island rule using meta-analytical techniques. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2018. Gallego-Zamorano, J., **Benítez-López, A.**, Santini, L., Hilbers, J., Huijbregts, M. A. J., Schipper, A. M. Effects of hunting and land cover change on tropical mammals. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2018. Cimatti, M., **Benítez-López, A.**, Huijbregts, M. A. J., Santini, L. Disentangling the factors affecting the expansion of large carnivores in Europe. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2018. Boonman, C., **Benítez-López, A.**, Schipper, A. M., Huijbregts, M. A. J., Santini, L. Improving global plant trait predictions: assessing the importance of data selection and incorporating model uncertainty. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2018. de Jonge, M., **Benítez-López, A.**, Hennekens, S., Huijbregts, M. A. J., Schipper, A. M. Conditional love? Investigating plant interaction shifts along a continental-scale water availability gradient. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2018. Cengic, M., **Benítez-López, A.**, Santini, L., Huijbregts, M. A. J., Schipper, A. M. Modeling the effect of climate change and land cover change on amphibian species. Speed presentation. BES Macroecology Conference, Saint Andrews, United Kingdom. (July 10 – July 11, 2018).

2017. de Jonge, **Benítez-López, A.**, Hennekens, S., Huijbregts, M. A. J., Schipper, A. M. Conditional love? Do interactions shifts along water gradients determine continental scale distributions? Poster. BES, GFÖ, NECOV and EEF Joint Annual Meeting, Ghent, Belgium (Dec 11 – Dec 14, 2017)

2017. Luca Santini, Carlo Rondinini, **Ana Benítez-López**, Stuart Butchart, Jelle P. Hilbers, Aafke M. Schipper, Mirza Cengic, Mark Huijbregts. Using land use time series to monitor species extinction risk under the Red List framework. Oral communication. Earth Observation Open Science 2017 Conference. (Sept. 25 – Sept. 28, 2017).

2017. Boonman, C., **Benítez-López, A.**, Schipper, A. M., Huijbregts, M. A. J., Santini, L. Modelling climate change's impact on global vegetation using a trait-based approach. Poster.

28th International Congress for Conservation Biology (ICCB 2017), Cartagena de Indias, Colombia (July 23 – July 27, 2017).

2017. Ana Benítez-López, Aafke M. Schipper, Mark Huijbregts. Quantifying hunting-induced defaunation across the tropics. Oral communication. 28th International Congress for Conservation Biology (ICCB 2017), Cartagena de Indias, Colombia (July 23 – July 27, 2017).

2016. Ana Benítez-López; Rob Alkemade; Aafke M. Schipper, Pita A. Verweij, Jasper Eikeboom, Mark Huijbregts. The impact of hunting on mammal and bird populations at a pantropical scale: a meta-analysis. Oral communication. Society for Conservation Biology 4th Oceania Congress, Brisbane, Australia (July 05 – July 08, 2016).

2016. Ana Benítez-López; Rob Alkemade; Aafke M. Schipper, Pita A. Verweij, Jasper Eikeboom, Mark Huijbregts. The impact of hunting on mammal and bird populations at a pantropical scale: a meta-analysis. Speed presentation. Conservation Asia 2016: Joint Meeting of the Society for Conservation Biology (SCB) Asia section and the Association for Tropical Biology and Conservation (ATBC) Asia-Pacific chapter, Singapore, Singapore (June 29 – July 02, 2016).

2014. Rocío Tarjuelo, Isabel Barja, Manuel B. Morales, Juan Traba, **Ana Benítez-López**, Fabián Casas, Beatriz Arroyo, Paula Delgado, François Mougeot. Are weekends stressful for steppe birds? Physiological stress response of wintering little bustards (*Tetrax tetrax*)? Oral communication. XXII Congreso Español de Ornitología, Madrid, Spain.

2014. Iván Peragón, Carlos A. Martín, Fabián Casas, **Ana Benítez-López**, François Mougeot, Jesús T. García, Javier Viñuela. Satellite-tracking of pin-tailed sandgrouse (*Pterocles alchata*): home ranges and seasonal movements. Poster. XXII Congreso Español de Ornitología, Madrid, Spain.

2012. Fabián Casas, Jesús T. García, François Mougeot, **Ana Benítez-López**, Carlos A. Martín, Sergio González, Alejandro Urmeneta, Javier Viñuela. Seasonal movements of pin-tailed sandgrouse in Bardenas Reales Biosphere Reserve (Navarra). Poster. XIII Congreso Nacional y X Iberoamericano de Etología. Sevilla, Spain.

2010. Ana Benítez-López, Carlos A. Martín, Fabián Casas, Jesús T. García, François Mougeot, Javier Viñuela. First mortality records in pin-tailed sandgrouse (*Pterocles alchata*) in Spain. Poster. XX Congreso Español de Ornitología. Tremp (Lleida), Spain.

2010. François Mougeot, **Ana Benítez-López**, Carlos A. Martín, Fabián Casas, Jesús T. García, Javier Viñuela. Seasonal movements and breeding of pin-tailed sandgrouse *Pterocles alchata*. Poster. XX Congreso Español de Ornitología. Tremp (Lleida), Spain.

2010. Ana Benítez-López, Carlos A. Martín, Fabián Casas, François Mougeot, Jesús T. García, Javier Viñuela. Home ranges and seasonal movements of pin-tailed sandgrouse (*Pterocles alchata*). Poster. XIII Congreso Nacional y X Iberoamericano de Etología. Ciudad Real, Spain.

Invited talks

2022. Ana Benítez-López. Quantifying vertebrate defaunation and trophic cascading effects at the pantropical scale. [Online seminar](#), Museo Natural de Ciencias Naturales (MNCN-CSIC, Spain) (4 November 2022). (Invited by Dr. Robert J. Wilson)

2021. Ana Benítez-López. Las últimas áreas remotas: efectos globales de la accesibilidad humana en la distribución y abundancia de mamíferos. [Online seminar](#), V Jornadas Paraguayas de Mastozoología. Asociación Paraguaya de Mastozoología (APM, Paraguay) (1-6 November 2021). (Invited by Dr. Viviana Gómez)

2021. Ana Benítez-López. Defaunation and trophic cascading in the Anthropocene: ecological erosion in the tropics. [Online seminar](#), Oxford Centre for Tropical Forests (OCTF, Oxford University, UK) ([22 October 2021](#)). (Invited by Prof. Yadvinder Mahli)

2021. Ana Benítez-López. Quantifying defaunation and impaired ecosystem functioning in tropical forests. [EBD Seminar](#), Estación Biológica de Doñana (EBD-CSIC). (8 April 2021). (Invited by Dr. Irene Mendoza, Dr. María José Ruiz and Dr. Agustín Camacho)

2021. Ana Benítez-López. Defaunación y efectos cascada en el Antropoceno: erosión ecológica en bosques tropicales. Instituto de Ecología, Universidad Autónoma de México (UNAM, Mexico). (26 March 2021). (Invited by Dr. Alejandro Gómez-Voyer)

2021. Ana Benítez-López. Cuantificando la defaunación y la pérdida de funciones ecosistémicas en bosques tropicales. [Online seminar](#) for the Programa de Doctorado de Biología Integrativa. University of Sevilla, Spain (4 March 2021). (Invited by Prof. Susana Redondo).

2021. Ana Benítez-López. Quantifying defaunation and impaired ecosystem functioning in tropical forests. Ecology and Conservation e-seminar. University of Sheffield, UK (23 February 2021). (Invited by Prof. David Edwards).

2021. Ana Benítez-López. Defaunation and trophic cascading in the Anthropocene: Ecological erosion in the tropics. [CBCS e-seminar](#), University of Queensland, Australia (19 January 2021). (Invited by Dr. Matthew S. Luskin)

2018. Ana Benítez-López. Predicting hotspots of hunting-induced defaunation in the tropics. Seminar on Wildlife crime: from source to market. Future for Nature Academy. Wageningen University, the Netherlands (24 August 2018). (Invited by Future for Nature Academy committee)

2018. Ana Benítez-López. Roads, human accessibility and hunting-induced defaunation. Swedish University of Agricultural Sciences, Sweden (27 February 2018). (Invited by Dr. Erick Öckinger)

2017. Ana Benítez-López. Modelling human-induced species declines at large scale. Humboldt-University Berlin, Germany (15 October 2017). (Invited by Prof. Tobias Kuemmerle)

2017. Ana Benítez-López. Quantifying hunting-induced defaunation across the tropics. [Utrecht Sustainability lecture](#): Impact of land use change and hunting on biodiversity. Utrecht University (14 September 2017) (Invited by Dr. Pita A. Verweij)

Teaching experience

MSc Courses

2015 - ongoing. Bird diversity and conservation – *Biodiversidad y conservación de aves*. MSc course (3ECTS). *Máster en Técnicas de la Conservación de la Biodiversidad y Ecología*. Universidad Rey Juan Carlos, Madrid. **Co-teacher** and co-coordinator with Dr. Borja Milá.

2015-2018. Biodiversity and Ecological Assessment. MSc course (3 ECTS). Master's specialisation in Communities and Ecosystems. Radboud University. Co-coordinator with Dr. Rob Leuven in 2016-2017. Co-teacher in 2015-2018.

2017. Methods in Societal Research: Science, Management & Innovation (SMI). MSc course (3 ECTS) Master's specialisation in Science, Management and Innovation. Radboud University. Invited lecture on “Quantitative methods for data analysis”.

Training Courses

2021. Lecturer at 2-day Training school: A primer on Species Distribution Modeling in ecology and conservation. **COST Action CLIMBATS**. (14-15 Oct 2021)

Supervision of students

I am currently supervising **three doctoral theses**, one of them has been submitted and will be defended in 2023.

I have supervised 17 MSc students, 1 JAE-Intro fellow student, and have been the advisor of 3 MSc, 1 BSc and 1 visiting graduate students. My supervisory activities have led to the publication of 6 articles (three as senior author), with one paper currently under review.

See below the title of the ongoing projects I am supervising formally (supervisor) or informally (advisor):

PhD theses

Iago Ferreira Arias, PhD student. Title: “Unravelling overhunting impacts across tropical forests: connections between ecological networks, functional diversity and carbon storage along defaunation gradients”. EBD-CSIC and University of Sevilla. Predoc fellowship funded by the Junta de Andalucía (Andalusian Regional Government, Spain) (March 2022 – February 2026) (Role: Supervisor). Supervisors: Ana Benítez López and Eloy Revilla.

Carlos Merino Luna, PhD student. Title: “Ecología espacial, preferencias de hábitat y dinámica poblacional de la ganga ibérica (*Pterocles alchata*) – Spatial ecology, habitat preferences and population dynamics of the pin-tailed sandgrouse (*Pterocles alchata*)”. IREC (UCLM-CSIC-JCCM) and EBD-CSIC. FPU fellowship funded by the Spanish Ministry for Science and Innovation (December 2021– November 2025) (Role: Supervisor). Supervisors: Ana Benítez López and Francois Mougeot.

Melinda de Jonge, PhD student. Title: “Advances in large-scale multi-species impact assessments”. Radboud University, the Netherlands (September 2016 – submitted) (Role: Supervisor).). Supervisors: Mark A. J. Huijbregts and Ana Benítez López. One chapter published in *Glob Ecol Biogeogr*, one in *Biol. Conserv.*, and one in *Global Change Biology*.

Juan Gallego Zamorano, PhD student. Title: "Quantifying biodiversity responses to human pressures: a cross-scale approach" (2017 – 2023) (Role: Advisor). One chapter published in Conservation Biology, another one in Divers. Distrib.

Coline Boonman, PhD student. Title: "Functional trait based vegetation modelling". Radboud University, the Netherlands (2016 – 2021) (Role: Advisor). Two chapters published in Diversity and Distributions and GEB.

Mirza Cengic, PhD student. Title: "Habitat suitability modelling for amphibians at the global scale" Radboud University, the Netherlands (2017 – discontinued) (Role: Advisor)

JAE-Intro

Anna Costa Vilar, JAE-Intro student. Title: "Evaluación de la variación espaciotemporal en las áreas de hábitat idóneo para la gamba ibérica en el Parque Nacional de Doñana durante los últimos 50 años." EBD-CSIC (Oct. 2020 - Feb. 2021).

MSc theses

17. Jorge Granados Tello, MSc student – MSc thesis (TFM). Title: "The sound of Doñana: spatiotemporal variation of the soundscape in Mediterranean ecosystems.". Universidad Pablo de Olavide, Spain (Dec. 2021 – October 2022). (Role: Supervisor). Grade: 8.6.

16. Iago Ferreiro, MSc student – MSc thesis (TFM). Title: "Temporal and trophic partitioning promote coexistence between mesocarnivores in a Mediterranean landscape". Universidad Pablo de Olavide, Spain (Dec. 2019 – October 2020). (Role: Supervisor). Grade: 9.5. Published in Ecology and Evolution in 2021.

15. Monique Mastebroek, MSc student – MSc thesis. Title: "Effects of infrastructure on the abundance of reptiles and amphibians: a meta-analysis". Radboud University, the Netherlands (Feb. 2019 – Jun. 2019). (Role: Supervisor, together with Melinda de Jonge)

14. Jurrian van Irsel, MSc student – Literature review. Title: "Recreational disturbance reduces the reproductive success of mammals and birds" Radboud University, the Netherlands (Nov. 2018 - Jan. 2019) (Role: Supervisor)

13. Erin Henry, MSc student – MSc thesis. Title: "Bergmann's rule and the effects of climatic and environmental factors on intraspecific body size variation". Radboud University, the Netherlands (Jan. 2018 – Dec. 2018)(Role: Supervisor). Published in GEB in 2022.

12. Louise Prevot, MSs student – MSc thesis. Title: "Assessing the effect of land cover change on European ungulates" Radboud University, the Netherlands (Febr. - Aug. 2018) (Role: Supervisor)

11. Elodie Le Quellec, MSc student – MSc thesis. Title: "Assessing the predictors of vulnerability to extinction risk in birds using causal inference". Radboud University, the Netherlands (Feb. – Aug. 2018). (Role: Supervisor)

10. Elmer Lafeber, MSc student – MSc thesis. Title: “A meta-analysis on the impact of defaunation on plant recruitment of animal-dispersed tree species in tropical forests”. Radboud University, the Netherlands (Feb. 2017- Jan. 2018) (Role: Supervisor)
9. Jarno Verdonk, MSc student – MSc thesis. Title: “Cascading effects of anthropogenic disturbances on plant recruitment in (sub-)tropical forests” Radboud University and Utrecht University, the Netherlands (Feb - Dec. 2018) (Role: Advisor, main supervisor: Pita A. Verweij, Utrecht University)
8. Jacqueline Hoppenreijns, MSc student – MSc thesis. Title: “Man-made habitats, mosaic pieces for pollinator conservation” (Feb. 2017- Feb. 2018) Radboud University, the Netherlands and Swedish University of Agricultural Sciences, Sweden (Role: Supervisor, together with Erik Öckinger, SLU)
7. Ad van Gestel, MSc student – MSc thesis. Title: “A meta-analysis on the impact of human infrastructure on the abundance of bird species”. Radboud University, the Netherlands (Feb - Dec. 2017) (Role: Supervisor)
6. Bárbara Martínez Guerin, MSc student – MSc thesis (TFM). Title: “Variabilidad demográfica del mono nocturno (*Aotus azarae spp. azarae*) en el norte de Argentina: relación con el clima y la disponibilidad de habitat”. Universidad Rey Juan Carlos, Spain (Jun. 2017 - Jul. 2018) (Role: Supervisor)
5. Pedro Lorenzo Cruz, MSc student – Literature review. Title: “Life history theory in vertebrates”. Radboud University, the Netherlands (April - Jun. 2016) (Role: Supervisor)
4. Thomas J. Meijer, MSc student – MSc thesis. Title: “Identifying the most vital habitat characteristics for the Great Crested Newt (*Triturus cristatus*)”(Sep 2016 – July 2017) (Role: Advisor)
3. Irene Rosique Conesa, MSc student – MSc thesis. Title: “The influence of technological and spatial variability on the estimation of removal efficiencies of surfactants and fragrances in activated sludge treatment processes – A meta-analysis”. Radboud University, the Netherlands (Feb. 2016 - Nov. 2016) (Role: Supervisor)
2. Leonie Spoelstra, MSc student – MSc thesis. Title: “The impact of nature-based recreation on wildlife abundance: a meta-analytical approach”. Radboud University, the Netherlands (Feb.- Dec. 2016) (Role: Supervisor)
1. Eva Vingiano, MSc student – Literature review. Title: “The impact of emerging infectious diseases (EID) on biodiversity: A review of the threats of the fungal disease Chytridiomycosis on populations of amphibians.” Radboud University, the Netherlands (Jun – Aug. 2015) (Role: Supervisor)

BSc theses

Irene Repeto, BSc student. Title: “Modelling the invasion of the quagga mussel in the Netherlands” (Feb. – Jun. 2018) (Role: Supervisor)

Eline Tetsroote, BSc student. Title: "Habitatvoorkeur van vleermuizen in de urbane omgeving". Radboud University, the Netherlands (Apr – Aug 2016) (Role: Supervisor). Published in the popular science magazine Zoogdier.

Peer-reviewer and editorial activities

Editorial appointments

Senior Editor of the journal [Diversity and Distributions](#) (2021-present).

Associate Editor of the journal [Diversity and Distributions](#) (2019-2021).

Associate Editor of the journal [Environmental Evidence](#) (2010-2022).

Reviewer activities

I have reviewed ~100 scientific articles in journals such as PLOS Biology, Conservation Biology, Science, Nature, Diversity and Distributions, Nature Ecology and Evolution, Nature Communications or PNAS, among others.

Peer-reviewed journals (not comprehensive):

Nature, PNAS, Science, PLOS Biology, Nature Communications, Conservation Biology, Biological Conservation, Scientific Reports, Current Biology, Frontiers in Ecology and the Environment, Diversity and Distributions, Biotropica, Ecography, European Journal of Wildlife Research, Animal Biodiversity and Conservation, Ecological Indicators, Ecology and Evolution, Environmental Evidence, Journal of Animal Ecology, Oryx, Landscape Ecology, Functional Ecology, PLOS One, Journal of Arid Environments, International Journal of Tropical Biology and Conservation, Environmental Conservation, Ardeola and Ecological Engineering.

An overview of my review and editorial activities can be found in my [Publons](#) profile.

Evaluation panels

Research proposals

- Agencia de Evaluación de la Investigación (AEI) – Evaluation of one proposal for the call Proyectos de Generación de Conocimiento 2021 (2022)
- Agencia de Evaluación de la Investigación (AEI) – Evaluation of 4 proposals of competitive contracts for technicians (PTA) (2021)
- European Research Council – Synergy grant 2020 (ERC-SYG 2020). Remote referee.
- Agence Nationale de la Recherche (ANR) - Generic Call for proposals 2019. External Evaluator.

Doctoral theses

- Villalba, Pablo. 2022. Current threats of neotropical big cats: Cattle ranching in the spotlight. University of Sevilla. Thesis defense committee member.
- Moreno Zárata, Lara. 2021. The status and hunting of European turtle dove (*Streptotelia turtur*) in Spain. University of Castilla-La Mancha. Thesis defense committee member.

- Semper-Pascual, Asunción. 2019. Understanding the immediate and time-delayed effects of deforestation on biodiversity in the Gran Chaco. Humboldt-Universität zu Berlin. Thesis defense committee member.
- Noguerales Rodríguez, Victor. 2017. Understanding the processes of diversification along the speciation continuum in a recent evolutionary radiation of grasshopper. University of Castilla-La Mancha, External evaluator.

MSc theses

- Member of the MSc thesis (TFM) evaluation panel for the MSc program “*Técnicas de la Conservación de la Biodiversidad y Ecología*”. Universidad Rey Juan Carlos, Madrid. Academic course 2019-2020.
- Member of the MSc thesis (TFM) evaluation panel for the MSc program “*Biodiversidad y Biología de la Conservación*”. Universidad Pablo de Olavide, Sevilla (Spain). Academic course 2019-2020.

Scientific Committees

- Member of the Quality Committee of the MSc program at URJC: Técnicas en Ecología y Conservación de la Biodiversidad. March 2023 – ongoing.
- Member of the Scientific Committee of the AEET congress. October 2023.
- Member of the [Scientific Committee](#) of the 6th European Congress for Conservation Biology (ECCB). 22-26 August 2022.

Outreach and Media

- **Coordinator of the [blog](#) of the Spanish Association for Terrestrial Ecology (AEET)** (2020-present).
 - [Coronavirus, enfermedades emergentes y conservación de la biodiversidad](#). Ana Benítez-López and María José Ruiz. 19 March 2020.
- **Blog post Behind the paper for NEE: [A story of giants and dwarfs, or how islands are home to the strangest creatures on Earth](#)**. 15 April 2021.
- Outdoor activity with young girls from Grupo Educativo de Convivencia Femenino Córdoba de la Entidad ADIS MERIDIANOS: Ruta de biodiversidad por la biosfera de los Sotos de la Albolafia (birdwatching and species identification).
- Participation in 11-F “Women in Science day” giving an online talk to 2 and 4 ESO middle school students at IES Nuestra Señora de la Esperanza (Villar del Río, Córdoba). 10-Feb-2021 and February 2022.
- Brief article for the 11-F “Women in Science day” about what triggered me to become a scientist at the [Twinkl blog](#).

Interviews and media coverage of my research

Aves frugívoras Doñana 40-y changes

- https://www.cope.es/actualidad/vivir/biodiversidad/noticias/demuestran-que-accion-humana-afecta-negativamente-aves-frugivoras-donana-20220117_1730973

Monografía Pterocles (Ganga ibérica y ortega)

- <https://reputation.kantar.com/public/ReviewKiosk?ticket=A8BFE7F9BDF1B69FC999C87ED02B6B255494AD0931542A3E95FF771CDF6F6CFA157C30D84A42CC0880347044D3FB33CB8A941C88CD33F154E7A3863F652213C75484F0A5DF175C048D7ED95C3D2BC54E5C2C1DC0206CAF157BB383E456CE6496B6A48DEE0ACAD31A987A977D1CECAE68C9CB09ADE372AC554193352FC6C29B84>

Illegal wildlife trade

- <https://www.eitb.eus/es/radio/radio-euskadi/programas/boulevard/detalle/8039979/ana-benitez-efectos-caza-ilegal-negocio-millonario/>
- <https://www.rtve.es/alicante/audios/tarde-lo-que-tarde/caza-furtiva-amenaza-algunas-especies-05-05-21/5895811/>
- https://www.eldiario.es/internacional/ana-benitez-investigadora-caza-ilegal-negocio-multimillonario-comparable-trafico-drogas-armas_1_7894959.html
- <https://verdeyazul.diarioinformacion.com/la-caza-ilegal-es-un-negocio-multimillonario-como-el-de-las-drogas-o-las-armas.html>
- https://www.elespanol.com/ciencia/medio-ambiente/20210503/ilegal-negocio-multimillonario-comparable-trafico-drogas-armas/577442636_0.html

Island rule and body size evolution (2021)

- <https://oggiscienza.it/2021/04/27/isle-gigantismo-nanismo-evoluzione/>
- <https://www.miragenews.com/islands-give-rise-to-evolutionary-giants-and-544626/>
- <https://phys.org/news/2021-04-island-gigantism-dwarfism-result-evolutionary.html>
- <https://scienmag.com/confirmed-island-gigantism-and-dwarfism-result-of-evolutionary-island-rule/>
- <https://www.informaria.com/confirmada-tendencia-enanismo-gigantismo-especies-insulares-vertebrados/>
- https://elementy.ru/novosti_nauki/433805/Ostrovnye_karliki_i_giganty_rezultat_deys_tviya_kompleksa_ekologicheskikh_i_evolyucionnykh_faktorov
- <https://www.sciencedaily.com/releases/2021/04/210415114108.htm>
- <https://bioengineer.org/confirmed-island-gigantism-and-dwarfism-result-of-evolutionary-island-rule/>
- <https://www.ambientum.com/ambientum/biodiversidad/enanismo-gigantismo-especies-de-vertebrados-insulares.asp>
- <https://www.dicyt.com/noticias/confirmada-la-tendencia-al-enanismo-y-gigantismo-de-los-vertebrados-insulares>
- <https://www.spektrum.de/news/evolution-und-inselregel-die-herrschaft-der-inselgiganten/1866847>

Key Biodiversity Areas (KBA) and ecological intactness (2021)

- <https://www.theguardian.com/environment/2021/apr/15/just-3-of-worlds-ecosystems-remain-intact-study-suggests>
- <https://edition.cnn.com/2021/04/15/world/intact-ecosystems-report-intl/index.html>
- <https://theveganreview.com/only-3-of-the-worlds-ecosystems-remain-intact-warns-study/>

Large carnivores expansion in Europe (2021)

- <https://www.20minutos.es/noticia/4549894/0/el-regreso-de-los-grandes-carnivoros-a-europa/>
- <https://elegirhoy.com/blog/post/los-grandes-carnivoros-refresan-a-europa>
- <https://www.larazon.es/andalucia/20210119/q7fcj3xxxbadhbx2po23k3lm6y.html>
- <https://fundaciondescubre.es/noticias/la-recolonizacion-natural-de-los-grandes-carnivoros-en-europa-se-asocia-con-el-cambio-de-uso-del-suelo-y-el-abandono-humano-de-las-zonas-rurales/>
- <https://www.solidaridaddigital.es/noticias/internacional/los-grandes-carnivoros-vuelven-europa-por-el-abandono-humano-del-campo>
- http://www.ebd.csic.es/documents/10184/64842/20210119_Grandes_carn%C3%ADvoros/556af1e2-ab97-4a42-b499-67ba428e2cb0 (Nota de Prensa).

Post Coronavirus, enfermedades emergentes y conservación de la biodiversidad

- Onda LaSuperestación, Caracas, Venezuela (OndaLaSuperEstacion.com, <https://ondalaserestacion.com/>, actualmente www.mundour.com; 24 March 2020). Program: La Harta Sociedad (17:00 – 19:00).
- La Voz de Galicia (26 March 2020) <https://www.lavozdegalicia.es/noticia/sociedad/2020/03/26/one-health-solucion-evitar-futuras-pandemias/00031585242508062373399.htm>
- RadioVoz Galicia (hosted by Antía Díaz, 27 March 2020). https://www.radiovoz.com/download/10/2020/03/27/5_despiertagalicia_20200327.mp3

Quantifying defaunation: Intact but empty forests

- https://www.abc.es/natural/biodiversidad/abci-caza-acabara-40-por-ciento-grandes-mamiferos-areas-tropicales-201905161106_noticia.html
- https://www.vice.com/en_us/article/8xz883/hunting-is-killing-off-40-of-large-mammals-even-in-pristine-forests
- https://www.lemonde.fr/planete/article/2019/05/14/la-chasse-vide-les-forets-tropicales-de-leurs-mammiferes_5462087_3244.html
- https://elpais.com/elpais/2019/05/14/ciencia/1557821475_820513.html
- https://ondemand-mp3.dradio.de/file/dradio/2019/05/23/folgen_der_jagd_fuer_saeugetiere_in_den_tropen_interview_dlf_20190523_1650_0e3fa265.mp3

...

Science perspective: Animals are becoming nocturnal

- Sabado Verde, Radio La Once Diez, Buenos Aires: https://www.youtube.com/watch?v=eOysP0wFd_k (2018)
- Forschung aktuell, Deutschlandfunk: <https://www.deutschlandfunk.de/forschung-aktuell.675.de.html> (2018)

Science paper: The impact of hunting on tropical mammal and bird populations

- https://elpais.com/elpais/2017/04/11/ciencia/1491929803_554985.html
- Voice of America: Broadcast to Africa (2017)
- La SER (http://play.cadenaser.com/widget/audio/cadenaser_hoyporhoy_20170418_070000_080000/), (2017)

- NTN24 Tv Channel (USA, 2017))

Proyecto Ecología y Conservación de gangas en Castilla La-Mancha

- Documental TV de TeleMadrid, sobre capturas de gangas. Programa: Instinto Animal, «Anillo de compromiso», Mayo 2012.

Membership Scientific Societies

- Member of the Asociación Española de Ecología Terrestre (AEET) and the Sociedad Ibérica de Ecología (SIBECOL) since January 2020.
- Member of the Association for Tropical Biology and Conservation (ATBC) between 2019-2020.
- Member of the Society for Conservation Biology (SCB) in 2017-2018.

Administrative experience

- Representative of postdocs at EBD (2020-2021) in Claustros and Juntas (Internal Administrative Meetings).

Other merits

Languages

- Spanish: native language
- English: excellent oral, comprehensive and writing skills. TOEFL (Test of English as a Foreign Language) score: 111 (out of 120). Velp, The Netherlands (1 March 2008).
- Dutch: intermediate oral, comprehensive and writing skills (B2 certificate).
- French: basic oral, comprehensive and writing skills.

Analytical and software skills (non exhaustive list)

- R Statistical Analysis Software. Two courses taken: Analysis of ecological data with R (2009) and Experiments design and analyses with mixed models in R (2011). Regularly used since 2009.
- S-Plus 7.0 Statistical Analysis Software. Course taken in 2009 at RIVM (NL).
- STATISTICA 8.0
- ArcGIS 9.3/10.0. Course taken in 2010.
- QGIS and GRASS: Free GIS software. Course taken in 2011. More info at www.qgis.org.
- MaxEnt software: Species Distribution Modelling.
- MARK software: Survival Analyses.
- Distance software: Distance sampling and estimation of population size.
- Conefor: Landscape connectivity analyses. Course taken in 2012 in Universidad Politécnica de Madrid. More info at www.conefor.org.
- Adobe Photoshop

Certificates

- Animal welfare certification - Capacitación para experimentación animal (January 2021)
- B2 driving license (January 2002)

Main field campaigns

- Coordination of sandgrouse capture and GPS tagging during the 2021-2022 breeding and fall seasons in Doñana National Park. GANGAMOVE project.
- Coordination of field season for tracking the breeding habitat and phenology of pin-tailed sandgrouse in 2021-2023 in Doñana National Park. GANGAMOVE project.
- Bird ringing and plant phenology transects in Doñana National Park in the project TEMPNET: Climate change and phenology: long-term temporal dynamics of mutualistic ecological networks (PI: Irene Mendoza). Period: 2019-present.
- Setting camera traps and seed traps, data analysis and supervision in Doñana National Park in the project DISPMULTLAYER: Dispersión por animales frugívoros y expansión de área en plantas: una aproximación de redes multicapas (PI: Pedro Jordano). Period: 2019-present.
- Coordination of seasonal surveys of sandgrouse (*Pterocles alchata* and *P. orientalis*) and vegetation sampling in SPA Campo de Calatrava (Spain) in 2009, 2010 and 2011 (breeding, postbreeding and winter surveys).
- Coordination of sandgrouse capture and radiotracking during breeding seasons of 2009, 2010 and 2011 in SPA Campo de Calatrava (Ciudad Real, Spain).
- Coordination of surveys of steppe bird community at SPA Campo de Calatrava and mapping of human disturbances during winter season of 2010-2011. Collection of faecal samples and mapping of steppe bird community and human disturbances during winter season of 2011-2012.
- Sandgrouse capture sessions in Bardenas Reales Biosphere Reserve (Navarra, Spain) and technical support (GIS, statistical analyses, writing of scientific reports and publications) in the period 2009-2012.
- Expedition to Morocco for data collection (biometry and blood samples) of steppe and desert passerine birds (April 2010).
- Data collection (captures, biometry, blood samples and vegetation sampling) of *Microtus arvalis* in Castilla-León (Spain), in July 2012 (MINECO-funded project "TOPILLAZO", ref. CGL2011-30274/BOS) and March 2015 (BBVA-funded project "Ciencia de frontera para un control de plagas de topillo campesino con base ecológica: mejorando el hábitat agrario, la biodiversidad y la salud humana").
- Participation in data collection (biomass sampling and vegetation measurements) of tropical plant species in March-June 2005 in Bach Ma National Park, Vietnam.

References

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