

Diego Ellis Soto

EDUCATION

Yale University, USA. PhD. Student in Ecology & Evolutionary Biology, **2018-Expected 2024**

University of Konstanz, Germany. M.Sc. in Biological Sciences (with distinction) **2015-2017**

University of Trier, Germany. B.Sc. in Environmental Biosciences **2010-2014**

Relevant Coursework: (PhD.) Global Change Research using Big Data, Scientific Writing, Quantitative Methods in Ecology and Evolution, Responsible Conduct of Research. (M.Sc.) Bioinformatics, Organismal biology, Evolutionary biology, Global change biology. (B.Sc.) Biogeography, Introduction of GIS and Remote Sensing, Zoology, Meteorology, Statistics.

SELECTED PUBLICATIONS AND BOOK CHAPTERS

1. **Ellis-Soto D**, Merow C, Amatulli G, Jetz W, 2021. Continental-scale 1km hummingbird diversity derived from fusing point records with lateral and elevational expert information. *Ecography*, <https://doi.org/10.1111/ecog.05119>

2. **Ellis-Soto D**, Ferraro K, Rizzuto M, Briggs E, Monk J, Schmitz OJ, 2021. A methodological roadmap to quantify animal-vectorized subsidies. *In press. Journal of Animal Ecology*. Preprint <https://ecoevorxiv.org/zyx84/>

3. Blake S, Tapia PI, Safi K, **Ellis-Soto D**, 2021. Diet, Behavior and Activity patterns. *Galapagos Giant Tortoises Academic Press* <https://doi.org/10.1016/B978-0-12-817554-5.00025-3>

4. Blake S, Yackulic C, Cabrera F, Deem SL, **Ellis-Soto D**, 2021. Gibbs J, Kumeth F, Wikelski M, Bastille-Rousseau G. Movement ecology. *Galapagos Giant Tortoises Academic Press* <https://doi.org/10.1016/B978-0-12-817554-5.00018-6>

5. **Ellis-Soto D**, Blake S, Soultan A, Guézou A, F Cabrera, Lötters S, 2017. Plant species dispersed by giant tortoises surf the wave of habitat suitability under anthropogenic climate change. *PloS One* <https://doi.org/10.1371/journal.pone.0181333>

6. Dechmann DKN, Wikelski M, **Ellis-Soto D**, Safi K, O'Mara T. Determinants of spring migration departure decision in a bat. *Biology letters*. DOI: 10.1098/rsbl.2017.0395

RESEACH AND PROFESSIONAL EXPERIENCE

2018-Present **Graduate research assistant**, Max Planck-Yale Center for Biodiversity Movement and Global Change, Yale University (*teaching assistant, graduate research*)

2017-2018 **Visiting Researcher Scholar**, Center for Biodiversity and Global Change, Yale University (*computational ecology, GIS and remote sensing analysis*)

2017-2018 **Technical Staff**, Computational Ecology Group, Department Wikelski, Max Planck Institute for Animal Behavior (*computational ecology, database management*)

2015- 2017 **Research Assistant**, Department of migration, Wikelski & Couzin lab, Max Planck Institute for Animal Behavior (*computational ecology, animal telemetry fieldwork*)

2013-Present **Scientific Collaborator**, Galapagos Tortoise Ecology Movement Programme, NSF Grant Nr. 1258062 (*animal telemetry fieldwork, computational ecology, students supervisor*)

TEACHING EXPERIENCE AND MENTORSHIP

Teaching fellow at Yale University: Introduction to Statistics for Life Sciences (Fall 2018), Principles in Ecology and Evolution (Spring 2019), Conservation Biology (Fall 2019).
Mentor for undergraduate thesis and fieldwork in the Galapagos (William Sano, Brown University, Patricia Isabela Tapia, University of Newcastle)

SELECTED PRESENTATIONS

December 2020 **American Geophysical Union Fall Meeting**, Online, San Francisco, USA
Conference Speaker: Animals as sentinels of the environment

October 2018-2020 **Student Conference in Conservation Science**, American Museum of Natural History, New York, USA. Invited Mentor: Evaluate oral and poster presentations on ecology and conservation. Hosted mentor lunches on movement ecology and conservation

May 2019 **NASA Biological Diversity and Ecological Forecasting Annual Team Meeting**, Crystal City, Virginia USA. Poster presentation: Animals as environmental buoys

October 2018 **Keynote speaker Galapagos Day 2018**, Royal Geographic Society London, London, United Kingdom. Invited keynote speaker: Using emergent technologies for conservation science in the Galapagos

Sept. 2017 **International Biologging Society**, Konstanz, Germany. Conference speaker for a workshop on Movement Ecology of avian, terrestrial and marine systems in the Galapagos

July 2017 **International Conference for Conservation Biology**, Cartagena, Colombia. Knowledge café speaker on ‘How can vast biodiversity datasets empower rather than overwhelm tropical park managers?’ Displayed a poster titled ‘The Map of Life app: Supporting education and citizen science for biodiversity in Latin America’

BROADER SERVICE

Reviewer for Ecology Letters, Ecological Applications, Plos One, Ecology & Evolution, Yale Undergraduate Research Journal (<https://publons.com/researcher/3157857/diego-ellis-soto/>).

Extensive outreach activities in Ecuador, Germany, USA (biodiversity, conservation, ecology, navigating academia as a young hispanic). BBC Televised Documentary: Equator from the Air Season 1 Episode 3. Trailer with >2 million views.

AWARDS AND RESEARCH GRANTS

Rufford Small Grant, ConservationXlabs conservation & technology challenge, Galapagos Conservation Trust movement ecology project, Geospatial Colloquium at Yale, Frankee Fellowship for interdisciplinary research, Yale race indigeneity and transnational migration grant.

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

Society for Conservation Biology (2017-Present), American Geophysical Union (2019-Present), Biologging Society (2018-Present), International Biogeographical Society (2013-Present), SACNAS (2018-Present)