Francisco **d'Albertas Gomes de Carvalho**

Research Associate

Conservation Research Institute (UCCRI), Department of Zoology,University of Cambridge

fd370@cam.ac.uk | fdalbertas.com | franciscodalbertas | franciscodalbertas

About me

I am a landscape ecologist with master's and doctoral training in ecology. My work focuses on nature-based solutions that promote biodiversity conservation and climate change mitigation. I assess the ecological and economic impacts of conservation strategies, such as ecological restoration, with a particular emphasis on carbon credit projects as a tool to deliver credible and effective outcomes. Throughout my career, I have oriented my work toward applied questions, with the goal of informing policy and guiding real-world conservation decisions.

Skills & Languages

Technical: R, GIS, Google Earth Engine, Data Analysis, Spatial Prioritization, Ecosystem Service Modelling

Conservation Practice: Ecological Restoration, Policy Analysis, Writing & Communication

Languages: Portuguese (native), English (fluent), French (advanced), Spanish (intermediate)

Education

Universidade de São Paulo with 1 year as visiting researcher at the University of Cambridge — *São Paulo, Brasil*

PhD in Ecology — *2017-2022*

Universidade de São Paulo — *São Paulo, Brasil*

Master in Ecology — *2013-2015*

Universidade de São Paulo — *São Paulo, Brasil*

Biological Sciences degree — *2006-2011*

Professional experience

Conservation Research Institute,Department of Zoology,University of Cambridge — *Cambridge, UK*

Research associate — *2024 - Present*

International Institute for Sustainability-IIS — *Rio de Janeiro, Brazil*

Researcher and data scientist at the project Trade, Development and the Environment HUB — *2022-2024*

Laboratório de Ecologia da Paisagem e Conservação-LEPaC(Departmento de Ecologia, Universidade de São Paulo) — *São Paulo, Brasil*

Researcher - Sao Paulo Research Foundation Training fellowship as part of the Biodiversity and Ecosystem Service Scenarios Network (ScenNet) — *2015-2017*

Instituto Socioambiental - ISA — *São Paulo, Brasil*

Junior environmental analyst (Internship) - Protected Areas Monitoring Programe — *2012-2013*

Mineral Engenharia e Ambiente — *São Paulo, Brasil*

Junior environmental analyst (Internship) - Oil and mining environmental impact evaluation — *2011-2012*

Selected Consultancies

Aquaflora providing services to Vale S.A. — *São Paulo, Brazil*

Evaluating the baseline condition of priority ecosystem services at watersheds potentially threatened by mining operation in Minas Gerais State — *2021*

World Wildlife Fund - WWF Brazil *São Paulo, Brasil*

Monitoring deforestation and fire within Amazonia and Cerrado protected areas *2020-2021*

Instituto Socioambiental - ISA *São Paulo, Brasil*

Mapping threats to federal and state protected areas in Brazil *2017-2018*

Klabin s/a Papel e Celulose *Paraná, Brasil*

Designing ecological corridors between indigenous lands *2016*

Bloomberg Philanthropies e Global Road Safety *São Paulo, Brasil*

Floristic inventory of urban areas in Sao Paulo *2016*

Teaching

Fundação Getulio Vargas *Rio de Janeiro, Brazil*

Professor - Co-organized and taught short course Landscape Use for master's students in management. *2022*

Selected Publications

- Borges-Matos, C., **d'Albertas, F.**, et al. (2025). Combining protection and restoration strategies enables cost effective compensation with ecological equivalence in brazil. Environmental Impact Assessment Review, 114, 107922. https://doi.org/10.1016/j.eiar.2025.107922
- Balmford, A., Ball, T. S., Balmford, B., Bateman, I. J., Buchanan, G., Cerullo, G., **d'Albertas, F.** et al. (2025). Time to fix the biodiversity leak. Science, 387(6735), 720–722. https://doi.org/10.1126/science.adv8264
- Cerullo, G., Worthington, T., Brancalion, P., Brandão, J., **d'Albertas, F.** et al. (2024). Conflicts and opportunities for commercial tree plantation expansion and biodiversity restoration across brazil. Global Change Biology, 30(3), e17208. https://doi.org/10.1111/gcb.17208
- **d'Albertas, F.**, et al. (2023). Yield increases mediated by pollination and carbon payments can offset restoration costs in coffee landscapes. One Earth. https://doi.org/10.1016/j.oneear.2023.11.007
- Berger, I., Dicks, L. V., & **Gomes de Carvalho, F. d'Albertas**. (2023). Quantify wild areas that optimize agricultural yields. Nature, 622(7984), 697–697. https://doi.org/10.1038/d41586-023-03312-y
- González-Chaves, A. D., Carvalheiro, L. G., Piffer, P. R.,**d'Albertas, F.**, et al. (2023). Evidence of time-lag in the provision of ecosystem services by tropical regenerating forests to coffee yields. Environmental Research Letters, 18(2), 025002. https://doi.org/10.1088/1748-9326/acb161
- Pashkevich, M. D., **d'Albertas, F.** et al. (2022). Nine actions to successfully restore tropical agroecosystems. Trends in Ecology & Evolution. https://doi.org/10.1016/j.tree.2022.07.007
- **d'Albertas, F.et al**. (2018). Lack of evidence of edge age and additive edge effects on carbon stocks in a tropical forest. Forest Ecology and Management, 407, 57–65. https://doi.org/10.1016/j.foreco.2017.09.042
- Acosta, A. L., **d'Albertas, F.** et al. (2018). Gaps and limitations in the use of restoration scenarios: A review. Restoration Ecology, 26(6), 1108–1119. https://doi.org/10.1111/rec.12882
- Metzger, J. P., Esler, K., Krug, C., Arias, M., Tambosi, L., Crouzeilles, R., Acosta, A. L., Brancalion, P. H., **d'Albertas, F.** et al (2017). Best practice for the use of scenarios for restoration planning. Current Opinion in Environmental Sustainability, 29, 14–25. https://doi.org/10.1016/j.cosust.2017.10.004

Full publication list at fdalbertas.com