Francisco d'Albertas Gomes de Carvalho

POSTDOCTORAL RESEARCHER

International Institute for Sustainability (IIS). Estrada Dona Castorina, 124 Horto, Rio de Janeiro, Brasil 22460-320

✉ francisco.albertas@gmail.com | 🏠 fdalbertas.com | 🐙 franciscodalbertas | 🔗 franciscodalbertas | 🐦 FdAlbertas

About me

I am a landscape ecologist with a master's and Ph.D. in Ecology, and my work centres on assessing the impacts of agriculture on biodiversity, climate, and ecosystem service outcomes, as well on the value of ecological restoration.

Skills

R - markdown - GIS - data analysis - ecosystem service modelling - ecological restoration - writing and communication - Google Earth Engine - spatial prioritization

Languages

Portuguese (native) - English (fluent) - French (advanced) - Spanish (intermediate)

Education

Universidade de São Paulo	*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

Jobs

International Institute for Sustainability-IIS	*Rio de Janeiro, Brazil*
Postdoctoral researcher and data scientist at the project Trade, Development and the Environment HUB	*2022*
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*

Consultancy

Aquaflora providing services to Vale S.A.	*São Paulo, Brasil*
Consultancy - 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*
Consultancy - Monitoring deforestation and fire within Amazonia and Cerrado protected areas	*2020-2021*
Instituto Socioambiental - ISA	*São Paulo, Brasil*
Consultancy - Mapping threats to federal and state protected areas in Brazil	*2017-2018*

Klabin s/a Papel e Celulose   *Paraná, Brasil*
CONSULTANCY - PLANNING ECOLOGICAL CORRIDORS BETWEEN INDIGENOUS LANDS   *2016*

Bloomberg Philanthropies e Global Road Safety   *São Paulo, Brasil*
CONSULTANCY - FLORISTIC INVENTORY OF URBAN AREAS IN SAO PAULO   *2016*

TEACHING

Fundação Getulio Vargas   *Rio de Janeiro, Brazil*
PROFESSOR - CO-ORGANIZATION WITH CARLOS ALBERTO SCARAMUZZA OF A SHORT TERM COURSE ENTITLED LANDSCAPE USE,   *2022*
FOR MASTER IN MANAGEMENT STUDENTS

Research experience

Conservation Science Group, University of Cambridge   *Cambridge, United Kingdom*
VISITING RESEARCHER SUPERVISED BY PROFESSOR ANDREW BALMFORD   *2020-2021*

Publications

1. Cesar de Oliveira, S. E. M., Nakagawa, L., Lopes, G. R., Visentin, J. C., Couto, M., Silva, D. E., d'Albertas, F., Pavani, B. F., Loyola, R., & West, C. (2024). The European Union and United Kingdom's deforestation-free supply chains regulations: Implications for Brazil. *Ecological Economics*, *217*, 108053. `https://doi.org/10.1016/j.ecolecon.2023.108053`

2. Cerullo, G., Worthington, T., Brancalion, P., Brandão, J., d'Albertas, F., Eyres, A., Swinfield, T., Edwards, D., & Balmford, A. (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` e17208 GCB-23-2402.R1

3. d'Albertas, F., Sparovek, G., Pinto, L.-F. G., Hohlenwerger, C., & Metzger, J.-P. (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`

4. 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`

5. d'Albertas, F., Ruggiero, P., Pinto, L. F. G., Sparovek, G., & Metzger, J. P. (2023). Agricultural certification as a complementary tool for environmental law compliance. *Biological Conservation*, *277*, 109847. `https://doi.org/10.1016/j.biocon.2022.109847`

6. González-Chaves, A. D., Carvalheiro, L. G., Piffer, P. R., d'Albertas, F., Giannini, T. C., Viana, B. F., & Metzger, J. P. (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`

7. Pashkevich, M. D., d'Albertas, F., Aryawan, A. A. K., Buchori, D., Caliman, J.-P., Chaves, A. D. G., Hidayat, P., Kreft, H., Naim, M., Razafimahatratra, A., Turner, E. C., Zemp, D. C., & Luke, S. H. (2022). Nine actions to successfully restore tropical agroecosystems. *Trends in Ecology & Evolution*. `https://doi.org/10.1016/j.tree.2022.07.007`

8. d'Albertas, F., González-Chaves, A., Borges-Matos, C., Zago de Almeida Paciello, V., Maron, M., & Metzger, J. P. (2021). Private reserves suffer from the same location biases of public protected areas. *Biological Conservation*, *261*, 109283. `https://doi.org/10.1016/j.biocon.2021.109283`

9. d'Albertas, F., Costa, K., Romitelli, I., Barbosa, J. M., Vieira, S. A., & Metzger, J. P. (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`

10. Acosta, A. L., d'Albertas, F., Leite, M. de S., Saraiva, A. M., & Metzger, J. P. W. (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`

11. Metzger, J. P., Esler, K., Krug, C., Arias, M., Tambosi, L., Crouzeilles, R., Acosta, A. L., Brancalion, P. H., D'Albertas, F., Duarte, G. T., Garcia, L. C., Grytnes, J.-A., Hagen, D., Jardim, A. V. F., Kamiyama, C., Latawiec, A. E., Rodrigues, R. R., Ruggiero, P. G., Sparovek, G., … Joly, C. (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`