

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 | 🐦 FdAlbertas

About me

I am a landscape ecologist with a master's and Ph.D. in Ecology, and my work centers 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

PHD IN ECOLOGY

São Paulo, Brasil

2017-2022

Universidade de São Paulo

MASTER IN ECOLOGY

São Paulo, Brasil

2013-2015

Universidade de São Paulo

BIOLOGICAL SCIENCES DEGREE

São Paulo, Brasil

2006-2011

Professional experience

JOBS

Conservation Research Institute, Department of Zoology, University of Cambridge

RESEARCH ASSOCIATE

Cambridge, UK

2024

International Institute for Sustainability-IIS

RESEARCHER AND DATA SCIENTIST AT THE PROJECT TRADE, DEVELOPMENT AND THE ENVIRONMENT HUB

Rio de Janeiro, Brazil

2022-2024

Laboratório de Ecologia da Paisagem e Conservação-LEPaC (Departamento de Ecologia, Universidade de São Paulo)

RESEARCHER - SAO PAULO RESEARCH FOUNDATION TRAINING FELLOWSHIP AS PART OF THE BIODIVERSITY AND ECOSYSTEM SERVICE SCENARIOS NETWORK (SCENet)

São Paulo, Brasil

2015-2017

Instituto Socioambiental - ISA

JUNIOR ENVIRONMENTAL ANALYST (INTERNSHIP) - PROTECTED AREAS MONITORING PROGRAM

São Paulo, Brasil

2012-2013

Mineral Engenharia e Ambiente

JUNIOR ENVIRONMENTAL ANALYST (INTERNSHIP) - OIL AND MINING ENVIRONMENTAL IMPACT EVALUATION

São Paulo, Brasil

2011-2012

CONSULTANCY

Aquaflora providing services to Vale S.A.

CONSULTANCY - EVALUATING THE BASELINE CONDITION OF PRIORITY ECOSYSTEM SERVICES AT WATERSHEDS POTENTIALLY THREATENED BY MINING OPERATION IN MINAS GERAIS || STATE

São Paulo, Brazil

2021

World Wildlife Fund - WWF Brazil

CONSULTANCY - MONITORING DEFORESTATION AND FIRE WITHIN AMAZONIA AND CERRADO PROTECTED AREAS

São Paulo, Brasil

2020-2021

Instituto Socioambiental - ISA

CONSULTANCY - MAPPING THREATS TO FEDERAL AND STATE PROTECTED AREAS IN BRAZIL

São Paulo, Brasil

2017-2018

Klabin s/a Papel e Celulose

CONSULTANCY - PLANNING ECOLOGICAL CORRIDORS BETWEEN INDIGENOUS LANDS

Paraná, Brasil

2016

Bloomberg Philanthropies e Global Road Safety

CONSULTANCY - FLORISTIC INVENTORY OF URBAN AREAS IN SAO PAULO

São Paulo, Brasil

2016

TEACHING

Fundação Getúlio Vargas

PROFESSOR - CO-ORGANIZATION WITH CARLOS ALBERTO SCARAMUZZA OF A SHORT TERM COURSE ENTITLED LANDSCAPE USE,
FOR MASTER IN MANAGEMENT STUDENTS

Rio de Janeiro, Brazil

2022

Research experience

Conservation Science Group, University of Cambridge

VISITING RESEARCHER SUPERVISED BY PROFESSOR ANDREW BALMFORD

Cambridge, United Kingdom

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>
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. 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>
7. 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>
8. 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>
9. 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>