

Green house gas modelling in Amazonia
University of Sao Paulo

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Job Title Green house gas modelling in Amazonia
Department Physics Institute
<https://ifa.if.usp.br/>
Institution University of Sao Paulo
Sao Paulo, Sao Paulo, Brazil

Date Posted Sep. 11, 2024

Application Deadline Oct. 5, 2024

Position Start Date Nov. 1, 2024

Job Categories Post-Doc

Academic Field(s) Atmospheric Sciences

Job Website https://fapesp.br/oportunidades/efeitos_sinergeticos_das_mudancas_climaticas_e_do_uso_do

Apply By Email lmachado@if.usp.br

Job Description

A 12-month post-doc fellowship is open at the Atmospheric Physics Laboratory in the University of São Paulo, Brazil. The project intends to increase the scale of representativeness of local measurements to the regional scale, as well as assessing the relative importance of different processes in the interaction

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forest-atmosphere-clouds. The WRF-GHG model will be used for downscale for different land use and climate scenarios in Amazonian region. Simulations of deforestation and degradation in the Amazon with global numerical models for 80-year scenarios will serve as based scenarios for downscale for periods of 10 years. The main goal of this post-doc research plan is to estimate carbon sources and sinks, and investigate the climate and land use processes that control carbon fluxes in Amazonia.

Requirements: experience with Python programming, model simulation and data analysis. Background in meteorology, geosciences or environmental physics is desirable. Candidates should have completed their PhD no more than seven years prior to application.

Applications by email (lmachado@if.usp.br), including: CV; PhD diploma; academic record of graduate courses; motivation letter describing previous experience and research interests.

EEO/AA Policy

This opportunity is open to candidates of any nationality, with a fellowship granted by the São Paulo Research Foundation (FAPESP) in the amount of R\$ 12,000.00 monthly plus a research contingency fund equivalent to 10% of the fellowship's annual value, for 12 months.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Luiz Augusto Toledo Machado
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