

Postdoctoral Position in Agricultural and Natural  
Resources Economics Modelling  
Luiz de Queiroz College of Agriculture. University of São  
Paulo

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Posted Feb. 12, 2025, set to expire Jun. 14, 2025

<b>Job Title</b>	Postdoctoral Position in Agricultural and Natural Resources Economics Modelling
<b>Department</b>	Center for Carbon Studies in Tropical Agriculture (CCARBON) <a href="https://ccarbon.usp.br/">https://ccarbon.usp.br/</a>
<b>Institution</b>	Luiz de Queiroz College of Agriculture. University of São Paulo Piracicaba, São Paulo, Brazil
<b>Date Posted</b>	Feb. 12, 2025
<b>Application Deadline</b>	Feb. 28, 2025
<b>Position Start Date</b>	Apr. 1, 2025
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Economics
<b>Job Website</b>	<a href="https://en.esalq.usp.br/">https://en.esalq.usp.br/</a>
<b>Apply By Email</b>	<a href="mailto:jbsferre@usp.br">jbsferre@usp.br</a>

### Job Description

The project aims to relate soil organic carbon (SOC) sequestration and the economic behavior of farmers, focusing on strategies to increase SOC storage in the Brazilian agriculture. The opportunity involves continuing the development of an inter-regional computable general equilibrium (CGE) model to analyze the economic and environmental impacts of economic policies and new technologies in Brazil. The project supporting this position will focus on: 1) recalibrating the land-use transition module in the model; 2) developing the second-crop analysis module for agriculture in Brazil; 3) detailing the corn ethanol and other production sectors in Brazil; 4) analyzing prospective climate change impacts on Brazilian agriculture and livestock, using results from other ongoing projects at CCARBON; 5)

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developing a soil carbon module for Brazil based on spatially distributed data.

In addition to the specific activities listed above, the postdoctoral researcher will also be involved in managing PhD students gradually incorporated into the project, as well as in database management, literature review, and writing scientific papers related to the work.

**Qualifications:** demonstrated prior experience in the development and use of CGE models for policy analysis, using the GEMPACK software. Familiarity with GEMPACK is an essential requirement for carrying out the activities. Familiarity with the economic and environmental aspects of Brazilian agriculture and livestock. Ability to work with large spatially distributed datasets is an additional advantage.

Applications must be submitted by email, with attached documentation addressed to Prof. Dr. Joaquim Bento de Souza Ferreira Filho ([jbsferre@usp.br](mailto:jbsferre@usp.br)). Documentation required: i) motivation letter; ii) two letters of recommendation; and iii) Curriculum Vitae. The deadline for submissions is February, 28, 2025. The general guidelines for the position can be found at <https://fapesp.br/en/postdoc>.

This position is for 2 years (with possible extension) and is open to both Brazilian and foreign applicants. The selected candidate will receive a FAPESP Postdoctoral Fellowship in the amount of R\$ 12,000.00 per month, plus a Technical Reserve equivalent to 10% of the annual scholarship amount to cover unforeseen expenses directly related to the research activity.

### Contact Information

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

**Contact** Prof. Joaquim Bento De Souza Ferreira Filho  
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