



Posdoctoral - FAPESP

Title: Posdoctoral in analysis of institutional arrangements that influence Land Use Change in Amazonia

FAPESP Process N°: 2008/58112-0

Project title: Land Use Change in Amazonia: Institutional Analysis and Modelling at Multiple Temporal and Spatial Scales (LUA/IAM)

Principal Investigator: Roberto Araújo de Oliveira Santos Júnior

Local: Instituto Nacional de Pesquisas Espaciais (INPE)

Summary:

The Research Project “Land Use Change in Amazonia: Institutional Analysis and Modelling at Multiple Temporal and Spatial Scales”, funded by FAPESP, offers one Post-Doctoral degree scholarship, for one year period, at National Institute for Space Research (INPE), to develop the Sub-Project entitled “Identification and analysis of institutional arrangements that influence Land Use and Cover Change (LUCC) processes, using social sciences institutional analysis methods”.

This pos-doctoral project aims to assemble historical data sets and maps featuring institutional arrangements and changes in the study areas. These data sets will serve as a basis for refining a timeline of events, for preparing survey instruments for fieldwork and interviews, and contribute to assembling the project’s Geographic Information System (GIS) with exiting data. During this phase, institutional arrangements will be characterized and defined according to type and level, function and extent, and timeframe.

This post-doctoral researcher will also be responsible for comparing different methodological frameworks used for institutional analysis: organize and identify relevant variables and units of analysis (different action arenas) that are applicable to the problem. In parallel to these activities, a detailed characterization of land use will be carried out with the goal of defining land allocation, trajectories and pathways of land use change as well as changes in land use technology.

This position will also devote significant time to prepare fieldwork activities, including survey and interview instruments, sampling design, field maps, and initial contact with different groups of stakeholders and individuals. This post-doctoral position will be responsible for visiting regional institutions for interviews with public officials, NGOs, and private enterprises relevant to understand institutional changes and/or representing different sectors of specific commodity chains.

This position will help to coordinate fieldwork plans and activities, organize data entry, data cleaning, and data analysis following fieldwork campaigns, and maintain communication with the research team about the development of these tasks. It’s also expected from the researcher to contribute and lead research articles associated with the project.



The candidate must have doctoral degree in Environmental Science, with training and experience in integrated, multi-level, assessments (social and biophysical processes) of land-use and land cover change in tropical biomes, experience with methodologies in both social and ecological sciences, including advanced familiarity with use of spatial tools of remote sensing and GIS for linking case studies with regional and global modelling exercises. In particular, experience with applying the above approaches to assessing how institutions and institutional arrangements modify driving forces (e.g. markets/market chains and population) of forest cover change, and assess both social (e.g. well-being) and ecological (e.g. forest stability and condition) outcomes of those changes.

Interested candidates should send the following documents by March 01, 2011: cover letter, noting the interest for this scholarship with a short report of previous experience, full resume and three letters of recommendation.

Further information could be provided by Dr. Roberto Araújo de Oliveira Santos Jr. at raos4@terra.com.br.

Documents must be sent by March 01, 2011 to:

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