



Posdoctoral - FAPESP

Title: Posdoctoral in models and scenarios of social and institutional arrangements in Amazonia

FAPESP Process Nº: 2008/58112-0

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

Principal Investigator: Corina da Costa Freitas

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 Pos-Doctoral degree scholarship, for one year period, at National Institute for Space Research (INPE), to develop the Sub-Project entitled “Construction of computational models and scenarios to represent the social interactions and institutional arrangements”.

This pos-doctoral project aims to analyze the several case studies and their results and will focus in the integration and synthesis activities, connecting case studies results to establish interrelations and an analytical understanding of social and institutional processes of change at different scales. In a first phase, the work will consist of organizing field trips and scenario workshops for the different case studies, and also establishing the link between land use change processes observed in multi-temporal remote sensing images and institutional arrangements observed in the field. In a second phase, the goal will be to extract subsidies to construct multi-scale models based on the case studies project findings, incorporating the project findings about institutional arrangements, land use change processes and intra-regional interactions. The researcher will develop methodologies to build models and scenarios, combining different modelling approaches, from local to regional scales. It is also expected from the researcher to contribute and lead research articles associated with the project.

The candidate must have doctoral degree in Remote Sensing, with ten years, at least, of experience in land use and occupation studies in Amazonia and in fieldworks to collect social-economical and bio-physical data. The researcher must have solid formation in digital image processing and geoprocessing for human occupation studies and knowledge about the social and economic processes in the region. The candidate must be self-motivated and available for long periods in fieldwork and for business trips.

Interested candidates should send the following documents by March 1, 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 Dra. Corina da Costa Freitas at corina@dpi.inpe.br.

Documents must be sent by March 1, 2011 to:

Dra. Corina da Costa Freitas

Divisão de Processamento de Imagens (DPI/OBT)

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