

Date of publication of the job offer: 11 / 01 / 2023

Job title: 2 Project Researchers (HUMA-TSR-2023-06)

Job description

The successful candidate will work in the compilation of archaeological data from Brazil and Colombia, identification of sites from remote sensing data, and spatial analysis as part of the project Mapping the Archaeological Pre-Columbian Heritage of South America (MAPHSA), led by Prof. Marco Madella at CaSEs (Culture and Socio-Ecological Dynamics) research group and she/he will be a member of the newly established UPF Centre for Digital Humanities at the Universitat Pompeu Fabra.

The project will draw from archival work, remote sensing, and on-ground survey to produce the first leading integrated database for the pre-Columbian archaeological heritage of South America that will be Open Access, available on a geospatial relational database, and serve as the primary resource for heritage protection and research repository for the continent.

The tasks and responsibilities of this position are as follows:

- Compile archaeological data from Brazil and/or Colombia based on publications and heritage agency databases;
- Integrate the data into the project's database;
- Systematically analyze remote sensing data (satellite imagery) from selected areas in Brazil and/or Colombia to identify potential new sites and assess the condition of previously recorded sites;
- Develop predictive models of site distribution using environmental data;
- Liaise with project partners responsible for automating endangered site detection to provide them with archaeological data and feedback.

Project and Institution that finance the contract

MAPHSA – Mapping the Archaeological Pre-Columbian Heritage of South America. Funded by the Arcadia Fund.

Official number reference ARC-2203-4799

Information on the minimum requirements

- PhD in Archaeology, related areas or technical degrees;
- Experience in spatial analysis and GIS;
- Familiarity in ArcGIS/QGIS/GRASS or equivalent software;
- Familiarity with spatial statistics, especially predictive models of site distribution, is desirable but not essential;
- Spanish with some working knowledge of English or English with some working knowledge of Spanish would be useful in the context of the project's languages and the South America archaeological literature. Some knowledge of Portuguese will be seen as a bonus.

Benefits of the opening

This position offers the opportunity to work in a highly international research group in one of the best universities in Spain. The project will allow for further training of the personnel in GIS software, spatial analysis and spatial statistic as well as working in a multi-national, highly stimulating research environment. The contract has a settlement payment at the end of the employment.

The annual gross salary is 27.162.44 euros

Information on the application process

- The selection committee will evaluate the submitted CV together with the motivation letter.
- The selection process will consider the previous experience of the applicant, especially work related to assembling archaeological data.
- Also, any previous experience at any level with remote sensing work will be considered positively.

Shortlisted candidates will be invited to an interview with the selection committee (either in person or via video call) that will be carried out both in English and Spanish languages.

Potential candidates are welcome to discuss their language skills or any other aspect of this job advertisement with Prof. Marco Madella.

The **selection committee** will be made up of:

PRESIDENT: Marco Madella

SECRETARY: Carla Lancelotti

COMMITTEE MEMBER 1: Simone Ventura

COMMITTEE MEMBER 2: Meritxell Canals Dueñas

Substitute committee

PRESIDENT: Santiago Zabala

SECRETARY: Daniele Cozzoli

COMMITTEE MEMBER 1: María Morrás Ruiz – Falcó

COMMITTEE MEMBER 2: Bianca Cabañero Iglesia

Deadline to submit applications 10/02/2023

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