

Position Offered: UNIVERSITY GRADUATE

Project: *Digital technologies and information for cultural heritage*

Technological and scientific fields: Data analysis and integration, Digital Humanities

Location: Santiago de Compostela, Galicia, Instituto de Ciencias del Patrimonio (INCIPIT)
www.incipit.csic.es

Research Group/PI: Interdisciplinary Studies of Cultural Heritage, César Parcero Oubiña

PROJECT SUMMARY

Archaeological and cultural heritage is a field in which a large amount of digital data and information of a spatial nature characterising the location, shape and geographical context of archaeological and cultural assets is handled. For this reason, Geographic Information Technologies (GIT) are widely used for the creation of digital data whose information is usually managed by means of systems with an architecture composed of a GIS to manage the geospatial information and a DB manager to manage the associated information. In recent years, GIT has been joined by 3D technologies such as scanners and photogrammetry. The management of this type of 3D information is complex, and progress is being made with the development of the BIM (Building Information Modeling) methodology, but it poses major challenges for its management and integration that must be faced.

PROFESSIONAL PROFILE

Minimum requirements:

Graduate in a field related to cultural heritage (art, history, archaeology...) OR graduate in a field related to geospatial technologies (geomatics, geospatial information technologies, topography...).

Intermediate level of Spanish.

Merits to be considered:

Training in fields such as geospatial technologies, 3D modelling, geodesy or topography, if these are not their fields of qualification.

Training in fields related to cultural heritage (archaeology, art, history, etc.) if these are not their fields of qualification.

Knowledge of computer programming.

WHAT IS OFFERED

The person chosen will join the Digital Landscapes Lab (DL-lab), a research infrastructure and service unit of INCIPIT that currently has 3 technicians specialised in geospatial technologies, geographic information systems and 3D technologies. The DL-lab has specialised infrastructure in these fields.

The training programme will include different courses on GIT, 3D modelling and geospatial databases, as well as two training stays: at the Archaeology Data Service, University of York (UK) and at the Geographic Information Systems and Digital Humanities Unit (SIGyHD) of the CSH-CSIC.

Contract conditions:

Indefinite contract for a University Graduate associated with the Momentum Project of 4 years' duration according to Spanish science law. Gross annual salary (37.000 € - 41.000 €).

Start of contract: before 31 December 2024

PRINCIPAL INVESTIGATOR CONTACT

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