

# Position Offered: UNIVERSITY GRADUATE

## Project: *Transforming Digital Humanities from CCHS-CSIC: from EXEA to an Open Knowledge Platform*

**Technological and scientific fields:** Digital Humanities, Data Analysis and Integration

**Location:** Madrid, Community of Madrid, Centro de Ciencias Humanas y Sociales del CSIC, <https://cchs.csic.es/es>

**Research Group/PI:** Unidad de Sistemas de Información Geográfica y Humanidades Digitales (uSIGyHD) del CCHS, Juan Manuel Vicent García, <https://exea.csic.es/en/unidad-SIGyHD>

### PROJECT SUMMARY

The CSIC's Centre for Human and Social Sciences (CCHS), made up of seven institutes, is the main public research organisation in this field in Spain and is strongly committed to the digitisation process in convergence with the Open Science movement. This commitment has materialised in the launch of EXEA, a scientific data infrastructure for Social Sciences and Digital Humanities, and IMAGO ORBIS, an Spatial Data Infrastructure in Social Sciences and Digital Humanities. The project proposes to provide these infrastructures with the capacity to absorb the impact of the implementation of a national Open Science policy and facilitate their integration into the international ecosystem, through the incorporation of interoperability and semantic technologies, and their incorporation into the European Open Science Cloud (EOSC) and the CLARIAH platform. This purpose is based on five objectives: 1. To promote the interoperability and accessibility of the data, services and digital resources of the CSIC's CCHS. 2. To propose a governance model for the semantic resources of the CCHS. 3. To increase the description, visibility and discoverability of the CCHS digital data and resources. 4. To support the development of applications and methodologies in the field of Social Science and Digital Humanities. 5. To connect with other sources of information and international infrastructures. The purpose of the contract is to reinforce the technological basis for the implementation of these objectives by providing the highly specialised training required for this task.

### PROFESSIONAL PROFILE

#### Minimum requirements:

Graduates in Computer Engineering, Data Science and Artificial Intelligence, Geospatial Information Technology Engineering, Geomatics Engineering or equivalent.

#### Merits to be considered:

Knowledge in databases, (geospatial) web and REST services, programming (PHP, Python), Semantic Web, ontologies, RDF and SPARQL.

### WHAT IS OFFERED

-Integration in the workflow of the uSIGyHD at the CCHS, in contact with the research groups of the different institutes of the Centre that develop projects with the unit.

- Training: Master's degree in Data Science (Higher Technical School of Computer Engineering, Universidad Politécnica de Madrid (60 ECTS); high specialisation and training courses in technologies for the Digital Humanities (20 ECTS); supplementary training in scientific article preparation, conference attendance, and other activities (40 ECTS). Additionally, it comprises stays at the Universidad Politécnica de Madrid and the Laboratory of Landscape Archaeology and Remote Sensing of the Institute of History of the CSIC (40 ECTS).

#### 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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