

# Position Offered: POSTDOCTORAL RESEARCHER

Project: *Submerged History and Big Data: Management and Visualisation of Maritime and Underwater Heritage, 15th-19th Centuries (MMT24-IH-01)*

**Technological and scientific fields:** Digital Humanities; Tools for knowledge and protection of maritime and underwater heritage; Massive data and information processing technologies

**Location:** Madrid, Comunidad de Madrid, Centro de Ciencias Humanas y Sociales, Instituto de Historia (IH-CCHS), ); <https://ih.csic.es/es>

**Research Group/PI:** Estudios Comparados del Caribe y Mundo Atlántico (Departamento de Estudios Americanos, Instituto de Historia); IPs: Ana Crespo Solana y María Dolores González-Ripoll; <https://ih.csic.es/es/org-structure/estudios-comparados-caribe-mundo-atlantico>

## PROJECT SUMMARY

Underwater cultural heritage (UCH) is producing Big Data, characterised by its high volume, variety and speed of production. This heritage is in the process of being integrated into various databases, platforms, GISs, repositories and web viewers using complex and advanced tools and data managers that require new algorithms, spatio-temporal analysis tools and Artificial Intelligence (AI) elements. This contract is aimed at scientific-technical training in data processing, administration and data cleaning for inclusion in web viewers and geoportals and geohistorical analysis.

## PROFESSIONAL PROFILE

### Minimum requirements:

PhD in History and Humanistic Studies, with expertise in Early modern history and archaeology; MA in Archaeology.

### Merits to be considered:

Research experience in European projects; stays abroad; publications related to maritime and naval history; experience in cultural heritage; knowledge of GIS and databases; English, Portuguese, French and Spanish languages.

## WHAT IS OFFERED

Scientific-technical training in Big Data processing, administration and data cleansing.

Training in the implementation of technical algorithms and Artificial Intelligence (AI) tools, database management, web viewers and GIS.

Training to identify lines of research, management and monitoring of information in the field of maritime and underwater history from the 16th to the 18th centuries.

Training in information processing and information processing with database managers.

Study of the Web Map services associated with the cartographic viewer in accordance with the directive INSPIRE (IMAGO ORBIS Geoportal).

Training in directed courses and with personal advice from the PI (Total of approximately 250-280 ECTS).

## Contract conditions:

Indefinite contract for a Postdoctoral Researcher associated to the Momentum Project of 4 years' duration according to Spanish science law. Gross annual salary (41.000 € - 52.000 €).

**Start of contract: before 31 December 2024**

## PRINCIPAL INVESTIGATOR CONTACT

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