

TITLE: Momentum Programme. Digital Talent Attraction, Training and Retention Programme
Project ID: MMT24-EEA-01
“Digital twins in Heritage. Digital documentation and HBIM integrated methodologies”

OFFER DESCRIPTION:

About the job

The [Spanish National Research Council](#) (CSIC) invites Bachelor graduates (Titulado Superior, TSFC1) in Architecture or degree in Architecture + Master's degree in Architecture, to express their interest to apply for the Project “*Digital twins in Heritage. Digital documentation and HBIM integrated methodologies*” (Project ID: MMT24-EEA-01) of the four-year Momentum Programme.

The [Momentum Programme](#) contemplates the creation of a new generation of professionals with advanced digital skills that can be retained in the Spanish science and innovation ecosystem through recruitment and training during 48 months, of research and technical staff. Aware of the challenges and opportunities posed by the digital age, this programme is conceived as an engine of transformation whose main objective is to attract, train and retain highly qualified talent in strategic areas of science and technology, strengthening the capacity of the CSIC and Spain for research, innovation, entrepreneurship and public-private collaboration, contributing to the social and economic progress of society.

The programme is financed by the Secretariat of State for Digitization and Artificial Intelligence – Ministry for Digital Transformation and Public Service, through Red.es with EU Next Generation funds from Spain’s Recovery, Transformation and Resilience Plan.

About the Project “*Digital twins in Heritage. Digital documentation and HBIM integrated methodologies*”

The project addresses the integration of emerging technologies in the field of graphic documentation of Architectural and Archaeological Heritage, oriented both to research projects and architectural restoration works. The aim is to implement a combined methodology of digitalization, analysis and monitoring of Historical Heritage to serve as a basis for its study, conservation and planned management, joining the different technologies and tools for digital twins generation, with GIS and HBIM methodologies.

Essential requirements

- Academic qualifications required: Architecture; degree in Architecture + Master's degree in Architecture.
- Specialised training in: (1) graphic and photogrammetric survey techniques of architectural heritage; (2) Geographic Information Systems; (3) Archaeology of Architecture.
- 3 years of accredited experience in graphic documentation works related to restoration and recovery of architectural and archaeological heritage.
- Accredited experience in: (1) fieldwork architectural survey data acquisition; (2) analysis and acquisition of historic archive documentation.
- Fluency in Spanish (level C1) and intermediate level of English (B1).



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Plan de Recuperación,
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Valuable requirements

- (1) Specific training in Andalusi Heritage.
- (2) Coordinating role and participating experience in graphic documentation works in archaeological interventions.
- (3) Experience in: transfer activities in subjects directly related to the researches carried out in the EEA; dissemination activities in the educational and social field; organisation role in scientific dissemination events.
- (4) Scientific publications in subjects directly related to the researches carried out in the EEA.

We offer

4 years contract associated and limited to the execution of the Momentum Programme.

Incorporation as soon as possible but in any case, no later than 31 December 2024.

Gross annual salary (37.000 € - 41.000 €) according to qualification and experience.

The Laboratory of Archaeology and Architecture of the City (School of Arabic Studies, CSIC) carries out a relevant research work on Islamic Heritage through the implementation of numerous R+D+i projects and architectural restoration projects that have led to significant progress in both knowledge and conservation of this cultural legacy. This project includes an important training plan (min. 65 ECTS) in advanced technologies and digital tools for documentation and data management (graphic documentation, HBIM and GIS), allowing the implementation of an integrated methodology.

Joining the CSIC, an institution acknowledged by the European Commission with the "HR Excellence in Research" seal, compromised with gender equality, diversity, and inclusion. CSIC promotes a positive work environment, prioritizes the mental well-being of its employees, provides social benefits, enables work-life balance, offers work flexibility, and encourages ongoing training.

Vacancies: 1

Contact

Interested candidates should be inscribed in the CSIC "Bolsa de Empleo" in the option "Titulado/a Superior Fuera de convenio", in the field "Humanidades y Ciencias Sociales", in topics related to "Estudios del patrimonio cultural" and "Desarrollos digitales en Ciencias Sociales", and send their CV and motivation letter to luis.garcia@eea.csic.es with the reference in the subject line: "Project MMT24-EEA-01 - Momentum Programme" until October 9th.

Job funding information

These contracts are financed by European Union Recovery and Resilience Mechanism-Next Generation, in the framework of the General Invitation of the public business entity Red.es to participate in the talent attraction and retention programs within Investment 4 of Component 19 of the Recovery, Transformation and Resilience Plan.