

# Position Offered: UNIVERSITY GRADUATE

## Project: *New digital competencies for new open science requirements in DIGITAL.CSIC*

**Technological and scientific fields:** Open access repositories, Open source software, Data and information processing technologies, Data analysis and integration, Open science.

**Location:** Madrid, Community of Madrid, URICI, <https://bibliotecas.csic.es/>

**Research Group/PI:** VORI/URICI, Carlos Closa Montero

### PROJECT SUMMARY

The project proposes to delve into several lines of work of DIGITAL.CSIC to optimize some open science services that have experienced a significant increase in demand from the community of repository users. It also aims to achieve a perfect alignment with the recommendations of the National Open Science Strategy (ENCA), and best practices and standards by reputed repository communities such as COAR and RDA. Likewise, this project will reinforce the technological pillar of DIGITAL.CSIC at a time of deep transformations in the DSpace software architecture (the most widely used open source software for open repositories globally) and will position DIGITAL.CSIC as a real asset in the European Open Science Cloud (EOSC). Such specialization will prepare DIGITAL.CSIC for its consolidation and technological expansion phase and will provide the person hired with advanced digital skills that are highly sought after.

### PROFESSIONAL PROFILE

#### Minimum requirements:

- Bachelor's Degree, Engineering, or Degree in Computer Science or similar.
- Knowledge in Java technologies, Hibernate, Spring, and knowledge of SOAP and REST APIs and Python.
- It is essential to be able to speak and write English at a professional level.
- Strong communication skills and experience in teamwork.

#### Merits to be considered:

- Experience in Java technologies, Hibernate, Spring, SOAP and REST APIs and Python.
- Experience in SOLR application development. Knowledge of Angular is a plus.
- Interest and experience with open source applications, ideally in a research context.
- Knowledge of OAI-PMH protocol, relational database management, and linked open data.

### WHAT IS OFFERED

The person hired will carry out his/her work plan under the area "Open Science Services and DIGITAL.CSIC" in URICI. A gradual methodology will be implemented. In this 1st phase (first year), the learning plan will include training sessions given by the DIGITAL.CSIC team and other training activities organized for CSIC staff throughout the year. The intermediate phase (second and third year) will combine specialized training activities and the execution of specific tasks related to their specialization in this URICI service, in such a way that the gradual acquisition of new digital skills does not remain at a merely theoretical level but is applied in the repository infrastructure and in the relevant support services offered by the team to the CSIC scientific and technical community. This phase will include training stays in other CSIC centers/institutes and/or in the repository teams of other relevant research institutions, as well as participation in training events given by companies of recognized prestige in the field and/or relevant research institutions/universities. The final phase (fourth year) will focus on the design, testing, implementation and dissemination of a specialized project in which the person hired will put into practice all the digital skills acquired during the previous 3 years.

#### 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

Email: [Isabel.bernal@bib.csic.es](mailto:Isabel.bernal@bib.csic.es), [agnes@bib.csic.es](mailto:agnes@bib.csic.es) / Phone: 91-5681674