

Position Offered: UNIVERSITY GRADUATE

Project: *Strengthening SILICE: advanced indicators and new functionalities*

Technological and scientific fields: Data analysis and integration

Location: Córdoba, Andalusia, Institute for Advanced Social Studies (IESA), www.iesa.csic.es

Research Group/PI: Innovation sociology, José Luis Ortega, www.uco.es/uco-csic-innovacion/en/home-en/

PROJECT SUMMARY

This project is framed on the need of developing open applications that support Open Science policies (National Open Science Strategy, Barcelona Declaration). SILICE (silice.csic.es) (Sistema de Información sobre Literatura Científica Española) aims to describe the Spanish research production (publications, authors, organizations) exclusively from open sources (ORCID, Crossref, OpenAlex, ROR). In this way, the main objective of this project is to progress SILICE web application developing scholarly profiles by users, adding new and rigorous quality indicators about research activity, a monitoring dashboard and a registration service. To do this, the project foresees a massive data download from the selected sources and the processing of these data (MySQL, OpenRefine, R Studio) addressed to design and built research indicators.

PROFESSIONAL PROFILE

Minimum requirements:

Bachelor's degree (recommendable Computer Sciences)

Knowledge in English language (writing, reading)

Merits to be considered:

Training or experience in web applications design and development (HTML, PHP, JavaScript).

Knowledge in Data science (Python, R, OpenRefine, etc.).

Knowledge in databases design and management (MySQL, MongoDB, linked data).

Statistics and Machine learning.

WHAT IS OFFERED

This position provides a only opportunity to develop a technical-scientific career in one of the leading CSIC research groups working in the study of research production, sociology of science and bibliometrics. As technician, he/she would acquire experience as web developer, database manager and designer, and as data scientist extracting and processing large datasets. From a scientific perspective, he/she would collaborate in other studies performed by the group, taking part in articles, projects and attending conferences. A key element is the training, offering:

- Master's degree (60 ECTS) in data science or web development.
- Three months research stay in a national or international research centre.
- Attending CSIC internal training courses.

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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