

Position Offered: UNIVERSITY GRADUATE

Project: *Service operation model in the SGAI-CSIC distributed storage infrastructure for massive scientific data analysis at CSIC*

Technological and scientific fields: Computing, Information and Communication Technologies

Location: Madrid, Madrid. SGAI-CSIC. Área de Informática Científica (AIC). Home - Home - Área de Informática Científica de la Secretaría General Adjunta de Informática del CSIC.
<https://aic.csic.es>

Research Group/PI: Sonia Martínez Hedo. VICYT

PROJECT SUMMARY

To develop a management model for an infrastructure dedicated to the storage, processing, and preservation of scientific data. The aim is to provide CSIC researchers with an effective tool for projects involving cloud computing, big data analysis (BD), artificial intelligence (AI), machine learning (ML), deep learning (DL), and complex computational techniques that require specific technological architectures due to data volume, data type or analysis and visualization needs.

PROFESSIONAL PROFILE

Minimum requirements:

- Degree in Computer Systems Engineering, corresponding to level 2 (Degree) or higher of the Spanish Qualifications Framework for Higher Education (MECES) and level 6 or higher of the European Qualifications Framework (EQF)
- Advanced Linux
- Experience in HPC Systems

Merits to be considered:

- Accredited knowledge in: HPC systems administration; Ethernet and high-performance networks; server virtualization management; high-performance distributed storage systems; deployment and configuration of monitoring systems; and software compilation and installation.
- Teaching experience
- Experience in scientific research environments

WHAT IS OFFERED

A learning and professional development environment within a centralised scientific computing infrastructure. The Scientific Computing Area (AIC) team of the Deputy General Secretary for Informatics offers the opportunity to participate in the development of a service model for research personnel across all scientific fields. Constant interaction with researchers and technicians will be maintained, with a dynamic learning process overseen by the Principal Investigator (PI), the Head of the AIC unit, and the Head of Services of the AIC unit. Intensive training will be provided during the first two years of the contract, after which the individual will engage in service tasks and project management for the subsequent two years. Training stays will be conducted at Spanish supercomputing centres with similar projects.

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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