

Data Scientist Specialist

Vacancy – Terms of reference

Job description

PURPOSE: The Data Scientist Specialist position aims to spearhead data initiatives across the LifeWatch ERIC Strategic Working Plan and also various projects within the environmental sciences domain, contributing expertise in data management, data harmonisation and standardisation, and support in developing data strategies and frameworks in collaboration with international stakeholders. This position offers an opportunity to enhance data management strategies within the LifeWatch ERIC framework, promoting collaborative research and enabling insights into biodiversity and ecosystem dynamics.

JOB TITLE: Data Scientist Specialist

LOCATION: Service Centre premises in Lecce, Italy

POSITION: Full-Time, 12 months with possibility of renewal

FUNDING RESOURCES: LifeWatch ERIC Strategic Working Plan.

Main responsibilities

- S/he will work under the supervision of and directly report to the Service Centre ICT Coordinator for the continuous improvement of the LifeWatch ERIC data management framework;
- S/he will investigate existing and support the production of indoor guidelines on (meta)data standards, vocabularies, ontologies and data management procedures relevant to LifeWatch ERIC;
- S/he will contribute to the process of integration, harmonisation and standardisation of (meta)data, by covering the different steps of the data lifecycle in both domain-specific and cross-domain context;
- S/he will participate in working groups and project meetings to discuss data management needs and contribute to the development of Data Management Plans

and, in general, of data management strategies aligned with the goals of LifeWatch ERIC;

- S/he will guarantee that the data FAIRness (Findable, Accessible, Interoperable, Reusable) principles are upheld;
- S/he will ensure the compliance with EU and national data regulations;
- S/he will develop and maintain data documentation, including data dictionaries, data flow diagrams, and data lineage.

The ideal candidate should meet the following requirements

- Master's or Ph.D. degree in a relevant field (e.g., ecology, environmental science, computer science, management engineering);
- Strong knowledge of data management principles, methodologies, and best practices;
- Familiarity with data modelling and metadata management concepts;
- Familiarity with standardised vocabularies, ontologies, and data management procedures;
- Experience in semantic data management and a solid understanding of RDF, SPARQL, and APIs for data access and annotation;
- Expertise in the design and development of data pipelines, relational databases and knowledge graphs as an added value;
- Experience with data analysis tools and languages, such as SQL, Python, or R;
- Fluency in written and spoken English. Skills in other European working languages are desirable;
- Excellent organisation and communication skills, with the ability to collaborate effectively with multidisciplinary teams and engage stakeholders from diverse backgrounds;

- Be available to travel abroad for the specific working needs of this position.

The vacancy is subject to the following procedure

- A **short covering letter** and **Curriculum Vitae¹ (EUROPASS format and annexes, 4 pages at the most)** shall be written in English and addressed to **Lucia Vaira** by **02 September 2024**. Please use the form available at this link: <https://zfrmz.eu/yBvGKNC3ARBRKJxzoYK4;>
- The selection process will follow the Employment Policy of LifeWatch ERIC;
- Only shortlisted candidates may be called for an interview. Interviews will take place from **02 September 2024 to 27 September 2024**;
- The successful candidate will be appointed for a 12 months month period. A competitive gross salary, 35.000,00 – 40.000,00 € based on the qualifications and experience of the candidate, will be offered. Employment will be in Italy, follow Italian employment law;
- This position is full-time. Her/his main office will be located at the Service Centre premises in Lecce, Italy, without prejudice to the establishment of others in the future;
- Start date in office for the **Data Scientist Specialist: 01 October 2024**.

LifeWatch ERIC is an equal opportunity employer, and encourages all qualified candidates to apply, regardless of ethnicity, gender, age, national origin, or sexual orientation.

¹ Special note for Italian market: According to Italian/Spanish/ Dutch Privacy Protection Law n. 196/03 / Ley Orgánica 3/2018 / any resume not mentioning explicitly the following wording: 'I authorise the use of my personal data in accordance with Italian Privacy Protection Law (30/06/2003, n. 196/03) / RGDP and Ley Orgánica 3/2018 / Personal Data Protection Act' will be automatically deleted from our database and consequently not taken into consideration.