

Seville, 27 July 2022

Expert in dynamics of the water and carbon cycle and generation of the Data Infrastructure of the Drylands

Vacancy – Terms of reference

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A. Job description

JOB TITLE: Expert in dynamics of the water and carbon cycle and generation of the Data Infrastructure of the Drylands (WCDID)

PURPOSE: The WCDID will assist the responsible investigators at the University of Almería and the CTO –ICT-Core Director–in spatial data analysis and remote sensing of the INDALO project “Scientific Infrastructures for Global Change Monitoring and Adaptation in Andalusia-University of Almería”

LOCATION: University of Almería (Spain)

POSITION: Full-time

FUNDING RESOURCES: INDALO (Ref. LIFEWATCH-2019-04-AMA-01) - Multiregional Operational Programme Spain ERDF (European Regional Development Fund) 2014-2020, for actions related to the LifeWatch ERIC e-infrastructure located in the Autonomous Community of Andalusia

COMPENSATION: Competitive salary, commensurate to degrees and relevant experience

B. Main responsibilities

- S/he will directly report to the Principal Investigator of INDALO at the University of Almería (Work Package 3) and to the Chief Technology Officer/Director of the ICT-Core;
- S/he must execute the work plan through spatial data analysis and remote sensing.

- In addition, the individual would require experience in multi-spectral platforms (MODIS, Sentinel-2, Landsat-5/7/8), RADAR/SAR (Sentinel-1, TanDEM-X) and LiDAR, and programming in R and Python and knowledge in Bash, C++ and Javascript (GEE);
- S/he will act as liaison with LifeWatch ERIC for the integration of developments and algorithms into the e-infrastructure;
- S/he must take into account the indications of LifeWatch ERIC in relation to virtual machines and containers. S/he must also integrate the developments made in LifeWatch ERIC.

C. The ideal candidate should meet the following requirements:

1. A bachelor's degree in Environmental Science or similar;
2. Minimum 12 months' experience in a similar position in a research entity (university desirable);
3. Accredited experience working with multi-spectral platforms (MODIS, Sentinel-2, Landsat-5/7/8), RADAR/SAR (Sentinel-1, TanDEM-X) and LiDAR;
4. Advanced programming in R and Python and knowledge in Bash, C++ and Javascript (GEE);
5. Good presentation and reporting skills, fluency in written and spoken English (B2 mandatory);
6. Ability to work under tight deadlines with changing priorities;
7. A high-standard work ethic.

ADDITIONAL DESIRABLE SKILLS

- Proven experience in similar national or international projects.

D. The vacancy is subject to the following procedure

- A short covering letter and Curriculum Vitae¹ (EUROPASS format and annexes, 10 pages at the most) shall be submitted to the Chief Technology Officer/ICT-Core Director cto@lifewatch.eu and in CC to ictoffice@lifewatch.eu, by **30 August 2022**. Please write "WCDID " in the email subject;
- The selection process will follow the Employment Policy of LifeWatch ERIC;
- S/he will be appointed full-time. A competitive gross salary, based on the qualifications and experience of the candidate, will be offered. Employment will be in Spain, follow Spanish employment law and be subject to a 180-day trial (probation) period;
- This position is a full-time job. Her/his main office will be located at the University of Almería (Spain), without prejudice to the establishment of others in the future;
- Start date in office for the appointed individual: **September 2022**.

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

¹Special note for Spanish market: According to Spanish Privacy Protection Law, any resume not mentioning explicitly the following wording: 'I authorise the use of my personal data in accordance with Spanish Privacy Protection' will be automatically deleted from our database and consequently not taken into further considerations.