SASSCAL invites suitable applications for the positions of a **Data Management Officer** in its Regional Secretariat, located in Windhoek, Namibia. Reporting to the Open Access Data Center Coordinator (OADC). Data Management Officer will be responsible for guaranteeing a seamless handover at the receiving end, contributing to the further development and management of the WeatherNet system and ensuring it’s sustainable operation at the SASSCAL Regional Secretariat (RS). The WeatherNet Data Management Officer will be prepared for his/her tasks through an intensive on-the-job training by the team currently administering the WeatherNet, i.e., they will be actively involved in all activities for regular operation as well as for the further development of software and databases powering the system. This role requires a candidate with proven experience in database development and management, strong analytical skills and excellent demonstrative ability in collecting and storing of real-time sensor data.

**MAJOR RESPONSIBILITIES:**

- Identifying and implementing new infrastructure to host the WeatherNet system at the RS in Windhoek, this will be done with support and liaison from the OADC Coordinator, Spatial Analyst and Systems Administrator.
- Ensuring the rolling migration of the WeatherNet system from the current infrastructure to the new infrastructure, with a particular focus on the data base system.
- Regular data quality checks to identify anomalies or inconsistencies in the data, allowing for prompt corrective actions
- First level troubleshooting of data transmission failures and escalation to partner institutions in charge of the Automatic Weather Stations (AWSs)
- Identifying missing use cases for the WeatherNet system then documenting and implementing these in consultation with management and end users.
- Identify and implement new features to be added to the data processing component of the WeatherNet system to ensure it remains robust and functional using up-to-date technologies.
- Design and implement automation strategies to improve data processing and data delivery.
- Design and implement features to improve data access and download mechanisms.
- Ensure system specification document is always up to date
- Designing and implementing test cases and Continuous Integration and Continuous Deployment strategies
- Implement scalable backup and recovery strategies for the entire system
- Adapting existing system scripts, database procedures and CRON Jobs

**Promoting Science for Sustainable Development**
MINIMUM EDUCATIONAL QUALIFICATION:

- At least a 4-year BSc (honours) degree in Information Technology, Computer Science or a related discipline.
- A Master’s Degree in Computer Science/Information Technology is an added advantage.

Minimum Experience Required:

- Three (3) years of job-related experience (software engineering/development) in a similar organization.
- Experience designing and developing scalable, secure and robust data driven applications.
- Professional programming experience in PHP, Python, C++ is an added advantage.
- Proficiency in SQL and MySQL database management system
- Ability to analyze data to identify trends, patterns, and insights using statistical and data analysis techniques.

Special Requirements:

Ability to work effectively under pressure. Ability to maintain pleasant working relationships with individuals of different national and cultural backgrounds. Proven planning and organizing skills, strong negotiation and conflict management skills as well as excellent oral and written communication skills in English.

APPLICATION PROCESS:

- The deadline for applications is 29th of February 2024
- Applicants should send a cover letter and a CV with details of relevant experience and three traceable referees

Please note that only short-listed applicants will be notified by the 1st of May 2024.

For further information and application, please visit [https://opportunities.sasscal.org/](https://opportunities.sasscal.org/)