

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environment, Forestry and Fisheries (DEFF) and is governed by a Board. The organisation is an authoritative voice for weather and climate related services in South Africa and is a member of the World Meteorological Organisation (WMO) to fulfil a range of international obligations of the government. SAWS strives to be a Weather and Climate Centre of Excellence providing innovative solutions to ensure a weather-smart region, sustainable development and economic growth.

SAWS is therefore seeking to appoint an efficient and enthusiastic person to undertake the role of:

Senior Scientist Air Quality Services

Total salary package: Negotiable

(Ref.WS05/042024)

Centre: Centurion

Job Summary:

This position is responsible for matters pertaining to the availability and quality control of near real time and historical air quality data managed by the South African Weather Service. The Scientist will assist in the provision of quality data to internal, local and international clients. The Scientist is to maintain operational air quality and atmospheric emissions databanks and quality control of air quality and atmospheric emissions data. The scientist is expected to be involved in and contribute to various projects including air quality related research and the development, installation, maintenance and upgrading of existing systems utilized by SAWS. The Scientist is expected to contribute to the development and/or compilation of new products and the establishment of new methodologies and processes that will improve service delivery to clients.

Key Performance Areas:

The Scientist: Air Quality Information is expected to deliver on the following key goals and strategic objectives of the South African Air Quality Information System (SAAQIS) as per the SAWS Strategic and Business Plan:

- Quality control and quality assurance of air quality data;
- Active involvement in the commissioning and installation of new technical applications and solutions;
- Report on the availability and quality of data from the monitoring network;
- Interaction with technical staff in the Regions and head office in technical as well as scientific and ICT fields, with respect to operational and other associated assistance;
- Adhere to/implement national and internationally prescribed standards in respect of the air quality infrastructure maintenance and the derived data;
- Keep abreast of the latest air quality monitoring systems and infrastructures and related developments, technologies and techniques;
- Provision of near real-time, quality controlled and assured ambient air quality data and information gathered by ambient air quality monitoring stations reporting to the SAAQIS through the SAAQIS web site to government, business and industry, academia, research institutes and the general public;
- Publication of research, air quality newsletters, official publications, legislation, Gazettes and other documents related to air quality and air quality management in South Africa on the SAAQIS web site;
- Development and presentation of Air Quality Monitoring Reports;
- Delivery of commercial and/or public good services through various projects including client liaison, research, development, installation, upgrading or maintenance of the scientific systems relevant to specific AQ research field;
- Participation in programs, projects or activities related to commercial and/or public good services;

- Development of new products and establishment of new processes that will improve the service delivery to clients;
- Participation in Quality Management System Auditing and Continuous Improvement programmes and activities;
- Conducting administrative functions related to the post.

Requirements:

- A Masters degree in Air Quality Sciences OR an equivalent or higher qualification in Environmental Sciences, Chemistry, Physics;
- Minimum of 4 years scientific experience in data, research and information activities;
- Good knowledge in computer and information systems, and database management systems;
- Knowledge of air quality and other environmental legislation,
- Code 8 driver's license for a gear shift vehicle (manual);
- Administrative and organizational skills for varied tasks;
- Ability to work under pressure and within time constraints;
- Excellent communication skills both written and verbal;
- Knowledge and skills in formulating and writing of reports and scientific papers, with specific reference to air quality related topics;
- Ability to read, analyse and interpret air quality data and information;
- Skills and experience (at least 1 year) in project management.

Please Note:

Enquiries for the above-mentioned positions must be directed to: Mr. Denny Maluleke, at Tel. (012) 367 6091.

Register as user on our website using this link: <https://www.weathersa.co.za/home/vacancies> to apply for the above position and upload your (Comprehensive CV with certified copies of qualifications).

Closing Date: 30 April 2024

Note: Recruitment Agency applicant submissions will not be considered

This is an EE position and preference will be given to **African Females, Coloured Males/Females and Indian Males/Females.** Correspondence will be limited to short listed candidates only. Candidates who have not been contacted within 3 months after the closing date of this advertisement, please accept that your application was unsuccessful. The organisation reserves the right not to fill this position. The South African Weather Service is an equal opportunity employer.

Record Reference	HCM-ADVERT-SNIOR SCIENTIST-2024
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