Advertisement

The South African Weather Service (SAWS) is a Section 3(a) public entity under the Ministry of Environmental Affairs 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 Organization (WMO) to fulfil a range of international obligations of the government. South African Weather Service (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. The South African Weather Service (SAWS) is therefore seeking to appoint an efficient and enthusiastic person to undertake the role of:

Scientist

Remote Sensing Group

Department: Research and Development

Salary: Total package negotiable - Level 8

Ref. W04/092023

Centre: Pretoria

Job Summary:

The Scientist: Remote Sensing Research will be responsible for the research and development of products and services pertaining to weather and climate using remote sensing technology. A special focus will be on weather radar and satellite remote sensing. The Scientist will participate in research, scientific, operational and administrative activities within his/her section. The suitable candidate should have at least university level project experience in weather-climate science and remote sensing and possess good communication skills necessary to contribute to the advancement of the SAWS remote sensing research pillar.

Key Performance Areas:

As Scientist: Remote Sensing Research within the Research and Innovation Department of SAWS, the incumbent will be responsible for:

- Conduct research and innovation with remote sensing datasets towards developing operational products and processes in support of the SAWS operations and services to meet the SAWS strategic goals and obligations.

- Participate in evaluating remote sensing research needs and assist in developing and maintaining research in area of specialisation, in line with the international standards, practices and developments.

- Participate in research programmes, projects or activities related to remote sensing.

- Assist in data analysis and maintenance of large remote sensing data sets.

- Participate in the support of relevant operational remote sensing products and systems.

- Assist in identifying research gaps in remote sensing and pursue methods to address these in cooperation with other SAWS divisions and sections and where relevant with external institutions.

- Keep abreast of new remote sensing methods and technology so as to improve productivity and service delivery.

- Publish and present research findings to others on a national and international level.

- Participate in enhancing and building the national/international positioning of SAWS through scientific collaboration and engagement (meetings, workshops, working groups etc)

- Support to foster strategic partnerships and collaborations with stakeholders, collaborators

- Represent the SAWS where appropriate on national or international scientific panels/committees or expert groups.

- Support and attend to adhoc remote sensing information and data requests.

- Keep administrative processes up to date (Research Management Framework, monthly reporting etc.)

- Participate in all activities related to the implementation and/or maintenance of the SAWS TQM system ensuring quality output and customer satisfaction

- Support and attend to adhoc administrative request.

- Participate in developing funding research proposals and contribute to the administration of research efforts forthcoming.

- Contribute to the development and mentorship of students and younger scientists.

Minimum Requirements and Attributes:

- An appropriate Honours degree in the Atmospheric Sciences/Meteorology
- University level research project experience.
- Knowledge and research experience in the field of remote sensing (specifically weather radar and satellite) will serve as an advantage.

- Knowledge and proficiency in a programming language such as R, Python, FORTRAN, or GrADS

- Excellent communication skills, both written and verbal

- The ability to work in a team

- The ability to create new innovative solutions

Please Note:

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).

Enquiries for the above-mentioned positions must be directed to Ms Thembisa Bixa, at Tel. (012) 367 6208.

Closing Date: 15 September 2023

Preference will be given to People living with disabilities in line with SAWS EE Targets. 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 your application was unsuccessful. The organisation reserves the right not to fill this position. South African Weather Service is an equal opportunity employer.

Record Reference	HCM-ADVERT-SCIENTIST-RES-PRO_APPL