Senior Operational Ocean Modeller

Contract type: Long Term Contract

Job Level: Skilled / Middle Management

Work Location: Cape Town, Western Cape

The South African Environmental Observation Network (SAEON) is a research platform funded by the Department of Science and Innovation (DSI) and managed by the National Research Foundation (NRF) since 2002. SAEON is mandated to observe and research ecosystems on land, in coastal regions and the oceans to understand how those systems function and might change over time and space when influenced by socio-economic driving forces including climate change. We deliver our data online and offer tools, services and advice for informed environmental policy-making.

SAEON works closely with the DFFE in the development and operationalization of ocean models that feed into their OCIMS.

This position will be part of the SAEON marine offshore team, developing operational ocean systems for within South Africa's Exclusive Economic Zone. Their primary role will be to maintain and further develop high resolution models to support stakeholder needs. In addition to this, they will work with local experts to further grow and transform South Africa's ocean modelling community.

Develop and maintain operational ocean models and support capacity development.

Key Responsibilities:

*   Develop and maintain high resolution operational models of key coastal regions and the surrounding shelf region
*   Create operational ocean products to support stakeholder needs
*   Report on the results to SAEON, DFFE OCIMS, DSI and relevant stakeholders
*   Provide knowledge transfer, capacity development and training tools

Key Requirements:

Qualification:

*   PhD. in related discipline
*   At least 5 years of experience in numerical modelling

Experience:

Experience with matlab and/or python programming, Linux operating systems and using HPC infrastructure.

Knowledge:

*   A high level of proficiency in ROMS and Delft-3D is essential.
*   Skilled in data analysis and particularly the assessment of ocean model datasets

Additional Notes:

Those candidates who have already submitted their applications during the first round of advertising do not need to resubmit their applications, it will still be taken into consideration.

Information:

The website www.nrf.ac.za provides more details on the NRF initiatives and activities.

Applications:

Applicants should submit a comprehensive CV by logging to https://ess.nrf.ac.za/Account/Recruitment and apply online. Applications should be accompanied by a letter of motivation indicating the applicant's suitability for the position. The names and contact details of at least three referees should be provided.

Closing Date: 17 November 2022

The NRF offers a challenging career and competitive remuneration package which is commensurate with qualifications and experience. The NRF is committed to employment equity and redress and the appointment to the position will be made in line with the NRF Employment Equity Plan.

The NRF reserves the right not to make an appointment.

Correspondence will be sent to short-listed candidates only