The South African National Space Agency (SANSA) has a mandate, as outlined in the South African National Space Agency Act, 2008 (Act No 36 of 2008), to co-ordinate and integrate national space science and technology programmes and conduct long-term planning and implementation of space related activities in South Africa, for the benefit of the citizens of South Africa.

SANSA Earth Observation Directorate drives and coordinates space based earth observation activities to sustainably benefit all South Africans in an earth-friendly manner.

This newly established entity has the following vacancies at its Pretoria Office, at the Innovation Hub to be filled by an individual with the relevant skills, competencies and qualifications

Senior Remote Sensing Researcher: Spatial Planning and Monitoring (1 permanent position)

The successful candidate will be responsible for all GIS, remote sensing, geospatial intelligence and image analysis research and development activities.

The ideal candidate will have: • MSc degree in Remote Sensing, GIS, Geography, Cartography, Geoinformatics , Town Planning , Urban and Regional Planning, Surveying, Geomatics with a strong background and experience in remote sensing and GIS (A PhD in one of these fields will be highly recommended) • Have 5 years working experience in GIS and remote sensing in an urban and regional planning environment. • 4 publications in peer reviewed journals and 5 conference proceedings as a minimum**.**

Senior Remote Sensing Researcher: Natural Environment and Resources (1 permanent position)

The successful candidate will be responsible for all GIS, remote sensing, geospatial intelligence and image analysis research and development activities.

The ideal candidate will have: • MSc degree in Remote Sensing/ GIS/ Environmental Geography/Geoinformatics or Natural Sciences with a strong background in remote sensing and GIS (A PhD in one of these fields will be highly recommended) • 5 years' working experience in GIS and remote sensing in a Research and Development environment •4 publications in peer reviewed journals and 5 conference proceedings as a minimum**.**

Remote Sensing Applications Developer (1 permanent position)

The successful candidate will be involved in the programming and scripting of remote sensing and GIS applications within a research and development environment.

The ideal candidate will have: • MSc degree in GIS/Remote Sensing/Geomatics / Surveying/GIS/Computer Science/Geoinformatics or Natural Sciences • Strong background in programming: C++, Python, JAVA, IDL, and/or other programming/scripting languages within a remote sensing and GIS environment • Experience in GIS and remote sensing • At least 2 years' working experience in a geospatial or a programming environment.

Data Administrator
(1 permanent position)

The successful candidate will be responsible to assist the Data, Products and Services Manager with data management, organisation and acquisition

The ideal candidate will have the follow requirements: • A degree/diploma in Computer Science/Information Technology • A minimum of 3 years' working experience in a technical / digital environment • Knowledge of Geographical Information Systems and Earth Observation Systems • Experience in working with GIS software such as ArcMap, ArcView or QGIS • Experience in working in a Linux environment • Knowledge of data management • The ability to handle large datasets and work in a very structured and organised manner • The ability to deal with basic IT issues • The ability to work independent and problem solve • Well-developed interpersonal skills and an ability to work in a team environment • The ability to liaison with clients • Patience to sort information • Programming knowledge would be advantageous.

The successful candidates will: • Organise all in-house vector and raster data by performing strategic data management • Contribute to the improvement of organisational data organisation and storage • Develop skills and knowledge with regards to industry best practices and standards • Handle large datasets in an organised manner • Develop and enforce a data storage structure.• Create GIS indexes for data visualisation • Design an in-house data visualisation tool • Engage in data analysis for purpose of quality control • Client Liaison (Internal and External) to acquire reference data • Conduct technical trouble shooting when required • Prepare reports and presentations • Assist in data packaging and distribution.

Sales and Customer Service Representative
(1 permanent position)

The successful candidate will be responsible to assist the EO Directorate with data sales, orders, dispatch, customer services and sales reporting.

The successful candidates will: • Manage requests from customers of foreign, regional and local origin • Provide sound advice to customer • Handle large and urgent orders • Initiate, coordinate and control official orders and requests • Adhere to SANSA invoicing and debtors procedures • Draw up quotations and

proposals for diverse clients and stakeholders • Order data from various international satellite data distribution companies •Handle delivery and dispatch administration • Ensure timeous data dispatch and committed deadlines to meet the clients' requirements and SANSA standards • Establish, maintain and update on a regular basis quantitative sales information to inform SANSA management of the trends in the Satellite imagery market pertaining to EO • Give feedback on sales and write statistical reports for the purpose of Payment of royalties, Decision making of sensor portfolios • Attend stakeholder meetings and ensure professional business growth and retention.

The ideal candidate will have the follow requirements: • A relevant degree/diploma Remote Sensing/Earth Systems Sciences •Strong knowledge of Sales and Marketing • Strong knowledge of remote sensing products and offerings • experience with Geo-science, sales and 2 years financial experience • Understanding of geographical concepts and characteristics • Ability to interact with customers in a customer care and support environment • Well developed communication skills • Computer literate (specifically MS Office & GIS)• Background and experience in remote sensing and its applications • Exceptional interpersonal skills, sound product knowledge, ability to work under pressure, and have perseverance • Dynamic, self-motivated, problem solving attitude and aptitude is essential • Good written and verbal communication skills

Background verification, including criminal record, credit checks, security clearances, qualification and citizenship checks, as well as competency assessment and psychometric testing, will form part of the selection process.

SANSA subscribes to the principles of Employment Equity, including welcoming applications from persons with disabilities. Preference will be given to candidates in accordance with this.

Should you meet the above requirements, please e-mail your detailed CV (indicating clearly the position you are interested in) to: eo-jobs@sansa.org.za

Closing date: 12 July 2013

Communication will only be conducted with short-listed candidates. If applicants have not heard from us within 4 weeks of the closing date, they must assume that their applications were unsuccessful.