

<b>Internship</b>	<b>Intern Scientist: Climate Services</b>
Reports to:	Component Programme Manager
Duty Station	Centurion, Pretoria

## **A. TASKS AND RESPONSIBILITIES:**

### **Main Outputs for the Internship:**

The intern will assist in creating a gridded dataset by working with various meteorological data types and will contribute to the development of climate products.

The individual will be tasked with the following responsibilities:

- ✓ Assist with the extraction of remote sensing data.
- ✓ Analyse remote sensing data to understand atmospheric processes.
- ✓ Assist with merging remote sensing data and station data to fill station data gaps, quality control of data, and the development climate products using the reconstructed data.

## **B. REQUIRED QUALIFICATIONS, COMPETENCIES AND EXPERIENCES**

### **Qualifications:**

- ✓ An appropriate 4-year degree in Meteorology or relevant qualification

### **Competencies and experience:**

- ✓ Proficiency with programming and scripting for spatial analysis and statistics using one or more of the following, Python, R, Fortran, MATLAB, and Julia,
- ✓ Proficiency with Linux/Unix, Command line /shell scripting (bash, zsh).
- ✓ Experience working with large, multi-dimensional data (e.g. netCDF, GRIB, TIFF files) with excellent knowledge of coordinate systems, data formats and statistical conventions.
- ✓ Experience applying remote sensing data.
- ✓ Familiarity with development good-practices (well-structured, modular code) and version control tools (e.g. git and github).
- ✓ Excellent team player
- ✓ Good communication and presentation skills.

### C. ADDITIONAL INFORMATION

- ✓ This position is based in **Centurion, Pretoria**.
- ✓ The contract period for this internship is for **six (06) months** only.
- ✓ At GIZ, you will be offered a global network and an atmosphere that is characterised by diversity, respect, and genuine equal opportunities. Gender equality promotion is a matter of course for us.
- ✓ GIZ is a signatory of the Diversity Charter. Recognition, appreciation and inclusion of diversity in the company are important to us. All employees shall be valued - regardless of gender and gender identity, nationality, ethnic origin, religion or belief, disability, social background, age or sexual orientation.
- ✓ GIZ would like to increase the proportion of employees with disability. Applications from persons with disabilities are most welcome.

### D. APPLICATION PROCESS

**GIZ will only assess applications which meet the following criteria:**

Suitable candidates should apply by submitting a

- **Cover/Motivation Letter** in PDF format (**max. 1 page**) clearly stating your motivation for applying for the internship.
- A **detailed CV** in PDF format.

The application should be submitted to: [recruit-pretoria@giz.de](mailto:recruit-pretoria@giz.de), with the following email subject line “**Intern Scientist: Climate Services**” for the attention of Head of Human Resource.

Closing date for applications: **25<sup>th</sup> of November 2024**.

**Only applicants shortlisted for interview will be contacted.**  
**Applications without a Cover letter will not be considered!**