

## **Remote Sensing Data Processing Engineer**

### **Description**

Rayference, active in the area of Essential Climate Variable generation from space observations and remote sensing data calibration, is recruiting a junior Remote Sensing Data Processing Engineer to support research activities for FP7, H2020 and ESA projects.

### **Key tasks and responsibilities**

- Develop a versatile processing chain for the prototyping of new algorithms for the generation of Essential Climate Variables;
- Process satellite data with advanced algorithms for the generation of demonstration data sets;
- Generation of data sets based on radiative transfer models to support sensitivity analysis;
- Verification and quality control of the results.

### **Experience**

- University degree in Engineer, Physics, Mathematics or equivalent;
- Outstanding proven experience in programming in c/c++, FORTRAN, OpenMP, Python and or Linux scripts, IDL in a Linux environment;
- Experience in Earth Observation data format (NetCDF), processing chain development and data set generation;
- Familiar with the concept of Essential Climate Variables and associated requirements;

### **Skills**

The successful candidate will be involved in international research projects and shall be capable of presenting her/his work in international meetings. He/she shall be able to fulfil the assigned tasks with a large autonomy and a great sense of responsibilities, have a systematic approach to work, be able to plan his/her work and to cope with tight schedules and multiple tasks. Capabilities to write accurate and consistent technical documentation and a strong interest for scientific topics such as radiation transfer theory represent an advantage.

The position is located in Brussels for a duration of one year with possibility of renewal. Fluency in English (spoken and written) is mandatory. To apply, please send a detailed CV, a statement of interest related to the position (in English), and marks obtained at university to [yves.govaerts@rayference.eu](mailto:yves.govaerts@rayference.eu).