

### Position

**Job Title:** Research engineer “tropical cyclones in warming climate” in the framework of the project entitled “ACACIA: Anticipatory Climate Adaptation for Communities in Africa” financed by the 2024 Call for EU HORIZON (HORIZON-CL5-2023-D1-01-11)

### Job Description

**Category:** A  
**Corps:** Fixed-term contract agent

### Affiliation

**Administrative:** University of Reunion Island / Unit: LACy (Atmosphere and Cyclone Laboratory)  
**Workload:** Full time  
**Location:** Saint-Denis, La Réunion (French Department in Indian Ocean)

### Contract condition

**Starting date:** September 1, 2026 at the earliest (to be adapted)  
**Length:** 18 months  
**Financing:** HORIZON EUROPE

### Activities

#### Corresponding assigned activities:

As part of the project entitled “ACACIA: Anticipatory Climate Adaptation for Communities in Africa” financed by the 2024 Call for EU HORIZON”, you are recruited within the LACy unit for a period of 18 months as a research engineer to reinforce the team to carry out successfully the project under the supervision of Dr. Keunok LEE, project leader of LACy.

The research engineer is responsible for:

- (i) post-processing algorithm development and
- (ii) 3-dimensional visualization tool development using high-resolution numerical simulation products.

They will support CMT team (Cyclones and Météorologie Tropicale) of LACy (Laboratory of Atmosphere and Cyclones). Their main mission is to provide expertise in implementing the most relevant methods for algorithm and tool development using large dataset obtained from numerical simulations for extreme weather events (e.g., tropical cyclones, deep convective system, and thunderstorms). They will contribute not only developing algorithm workflows to facilitate fundamental post-processing scientific analysis, but also promoting high- resolution numerical model products obtained by cutting-edge ocean-atmosphere coupled numerical modelisation within research fields.

#### Key activities:

- Develop post-processing analysis tool exploiting large dataset from high-resolution numerical simulations
- Develop code to visualize extreme weather events, such as Tropical Cyclones, in 3-dimensional scale
- Advise researchers on the choice of software and methodology based on the problem to be addressed and the system architecture
- Develop code to solve specific problems
- Manage the platform to promote model products and to share it with national and international collaborations in accordance with Open Science principles
- Ensure documentation, maintenance, and dissemination of the developed methods and tools

### Conditions of employment:

Post-Doctoral candidates will be offered an 18-month period of employment.  
The annual salary range is between 39k-45k€ depending on experience.

The recruitment and appointment procedures strictly comply with the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (ISBN 92-894-9311-9). The University is committed to transparent, merit-based selection processes that ensure equal opportunities, non-discrimination, and the promotion of gender balance at all stages of recruitment and employment.

The conditions of employment are structured to support high-quality research and sustainable career development. Particular attention is given to the recognition of the research profession, the provision of an enabling and stimulating research environment, appropriate working conditions, and stability of employment for the duration of the contract. The framework also ensures competitive funding and salary conditions, access to research training and professional development, and opportunities for national and international mobility. Clear institutional policies govern intellectual property rights, authorship and co-authorship practices, as well as supervision and teaching responsibilities, thereby safeguarding academic integrity and ensuring that researchers' contributions are duly recognised and protected.

### The University of La Reunion:

The University of Reunion Island (Université de la Réunion) is a French university in the Academy of Réunion. It is the first and only European university in the Indian Ocean. Established in 1982, it has grown steadily over the years in terms of student population, geographical sites occupied, courses offered and partnerships forged with local, national and international institutions. The school's ambition is to be the reference university in Indianoceania.

The University is an equal opportunity employer and is committed to providing a workplace free from all forms of unlawful discrimination, harassment, bullying, vilification and victimisation. The University is committed to all aspects of equal opportunity, diversity and inclusion in the workplace and to providing all staff, students, contractors, honorary appointees, volunteers and visitors with a safe, respectful and rewarding environment free from all forms of unlawful discrimination, harassment, vilification and victimisation. The University values diversity because we recognise that the differences in our people's age, race, ethnicity, culture, gender, nationality, sexual orientation, physical ability, religion and background bring richness to our work environment.

### Laboratoire de l'Atmosphère et des Cyclones (LACy):

The LACy is a joint research unit between CNRS, Météo-France and University de La Réunion dedicated to the study of physical processes governing the tropical atmosphere. LACy has notably initiated the creation of the Maïdo atmospheric observatory, part of the Observatory of Atmospheric Physics of La Réunion (OPAR), which hosts various instruments for atmospheric measurements, including lidar systems, cloud radar, spectro-radiometers and in situ gas and aerosol measurements.

The lab currently has 18 permanent staff (researchers, engineers, faculty members) and 8 PhD students.

### Required skills

- Strong skills in Python algorithms and mathematical libraries
- Ability to address specific needs, program in different computing environments, and write user documentation
- Ability to support and advise others, and to carry out technology monitoring
- Autonomy and rigor in work
- Ability to work in a team
- English oral and written

### Application

Contact:	Camille Bonnet ( <a href="mailto:camille.bonnet@univ-reunion.fr">camille.bonnet@univ-reunion.fr</a> )
Application material:	Curriculum Vitae and Motivation Letter Object of email: « ACACIA / Research Engineer Application » To be sent to <a href="mailto:recrutement-biatss@univ-reunion.fr">recrutement-biatss@univ-reunion.fr</a> , <a href="mailto:clement.soufflet@univ-reunion.fr">clement.soufflet@univ-reunion.fr</a> , <a href="mailto:kevin.hoarau@univ-reunion.fr">kevin.hoarau@univ-reunion.fr</a> , and <a href="mailto:camille.bonnet@univ-reunion.fr">camille.bonnet@univ-reunion.fr</a>
Deadline:	May 28 <sup>nd</sup> , 2026, 11:59 PM (GMT +4)