FICHE DE MISSION

Job title:	Ingénieur de recherche (post-doctorant) dans le cadre du projet intitulé « HydrES : Risques Hydrologiques et socio-économiques liés aux pluies ExtrêmeS à La Réunion » financé par l'Appel à manifestation d'intérêt 2023 (P.O. FEDER / INTERREG VI 2021/2027)
Fiche descriptive du poste	
Category: **Corps:**	A Fixed-term contract agent
Affectation	
Administrative: **Workload:** **Location:**	University of Reunion Island / Unit: LACy (Atmosphere and Cyclone Laboratory) Full time / 100% on HydrES project Saint-Denis de La Réunion (DIROI et campus du Moufia)
Condition du contrat	
Estimated starting date: **Length:** **Financing:**	September 1st, 2026 20 months (end of contract on April 30th 2028 if contract begins in Sept. 2026) FEDER VI et Contreparties nationales PO 2021/2027
Missions	

Main activities:

As part of the project entitled 'HydrES: Hydrological and socio-economic risks associated with extreme rainfall in Réunion', selected under the ERDF VI 2023 Call for Proposals and funded by the ERDF Operational Programme / INTERREG 2021/2027, you will be recruited to the LACy unit for a period of 20 months as a research engineer (post-doc) to provide technical support to the project under the supervision of Ms Hélène VEREMES, the project lead for LACy.

In this context, you will be assigned the following tasks and activities. Action 2 "Intense Precipitation: A Major Hazard for Réunion":

You will contribute to Action 2 by focusing on the following tasks:

- Conducting high-resolution simulations using a numerical prediction model (a tool mastered at LACy) of extreme rainfall events associated with rain and thunderstorm systems over Réunion
- Assessing the contribution of the spatial resolution of topography and microphysics to rainfall forecasting in Réunion
- Comparing/validating numerical simulations of case studies against satellite and radar observations. A

radar simulator will facilitate the modelling-observation approach.

- Assessment of the role of the intensity and direction of the incident wind, the characteristics of the incident air mass and the environment on the spatial and temporal distribution of rainfall, its duration and intensity.
- Estimation de la contribution des différents effets orographiques et leur impact sur les précipitations à La Réunion
- Estimation of the contribution of various orographic effects and their impact on precipitation in Réunion

You are expected to devote 100% of your working time to the completion of this Action 2.

At the end of your assignment, you must submit a copy of your work to Ms Hélène VEREMES, co-project leader, in the form of data from the numerical simulations and a scientific report.

Specific conditions of exercise:

As part of your role within the 'HydrES: Hydrological and socio-economic risks associated with extreme rainfall in Réunion' project, you are required to report on your activities to the project lead on a monthly basis via the SINCHRO application;

In the event of a significant change to your working hours compared to the above-mentioned forecast, you must promptly notify your line manager and the project leader.

You must strictly maintain the confidentiality of the work to which you contribute or which you may become privy to within the unit.

To carry out your duties, you will have access to the following laboratory facilities:

- Computer workstation
- Access to numerical computing resources
- Access to bibliographic resources

Application process

Contact :	Hélène Vérèmes (helene.veremes@univ-reunion.fr)
Send your application :	Curriculum Vitae and Motivation Letter Object of email « HydrES / Application for post-doc position » To be sent to : recrutement-biatss@univ-reunion.fr, helene.veremes@univ-reunion.fr,
Deadline to apply :	june 6th, 2026, 11:59 PM (GMT +4)