L'université de Guyane recrute

Head of the Scientific Chair "Use of Satellite Data and Biodiversity"

L'Université de Guyane est l'unique établissement universitaire francophone et européen en Amérique du Sud. Sa vision audacieuse est de devenir une université de référence en Amazonie. Fière de sa dimension à taille humaine, elle en fait sa force grâce à un accueil chaleureux et une proximité privilégiée avec ses étudiants, favorisant ainsi les échanges avec les enseignants. Animée par une démarche d'amélioration continue, l'Université valorise l'échange, la diversité culturelle et l'épanouissement individuel.

L'Université de Guyane, c'est :

- 4420 étudiants et étudiantes
- 300 personnels titulaires ou contractuels
- 4 composantes 3 instituts 1 école
- 4 laboratoires
- 3 sites 2 campus

Poste ouvert aux	open only to contract staff			**Localisation**	UNIVERSITE DE GUYANE Campus de Troubiran - BP 2092 97337 Cay
Catégorie	A	**Groupe RIFSEEP**	X	**Sujetion**	X
Corps				**Date de prise de poste souhaitée**	01/01/2027
Emploi type REFERENS				**Quotité de travail**	37h30

Le poste à pourvoir

Le service recruteur

Under Decree No. 2014-851 of July 30, 2014, the University of French Guiana (UG)—formerly a university center of the University of the Antilles and French Guiana—became a public scientific, cultural, and professional institution. It assumed expanded responsibilities and powers on January 1, 2015.

The University of French Guiana is a multidisciplinary institution headquartered at the Troubiran campus in Cayenne. It comprises a University Institute of Technology (IUT), a National Institute of Teaching and Education (INSPE), teaching and research departments, and administrative services. The UG serves approximately 4,200 students across sites in Cayenne, Kourou, and Saint-Laurent-du-Maroni, and comprises a staff of 141 faculty members (including research-active faculty) and 150 administrative, technical, and library staff members (BIATSS).

Missions principales

This recruitment aligns fully with the AIBSI project strategy and supports the University of French Guiana's ambition to position itself as a European university in the Amazon, deeply rooted in the specific challenges of its region. It aims to strengthen a site-based strategy built on the close integration of research, education, and innovation—centered on leveraging French Guiana's biodiversity—while prioritizing a multidisciplinary approach.
The chair project also aims to help address local challenges regarding the implementation of environmental policies focused on the valorization, preservation, and conservation of biodiversity.

Activités principales de l'agent

1) Research activities
This project relies on an integrated, multidisciplinary approach combining remote sensing, in situ measurements, and environmental DNA (eDNA) analysis to study the coastal and estuarine systems of French Guiana, which are characterized by high turbidity and cloud cover. The goal is to develop or improve models to provide robust analyses of physical and biological processes. The research project is structured around two main axes.
(1) Structuring multi-source observational data. The first task involves centralizing and ensuring the interoperability of in situ physicochemical and hydrodynamic data obtained from the deployment of instrumented buoys, low-cost sensors, and eDNA sampling systems. The second task aims to map turbidity, vegetation, biofilms, and other indicators using satellite imagery (e.g., Sentinel-2, Landsat, Pléiades) as well as LiDAR and hyperspectral imagery to complement the in situ dataset. The third work package focuses on improving or developing new environmental models—based on statistical methods, AI, and data fusion—that will be calibrated and validated using in situ data, while accounting for scale transitions. (2) Analyzing hydro-morpho-sedimentary dynamics and biodiversity. Within this axis, the first task involves running hydrodynamic simulations using the previously developed models to analyze system evolution under the pressures of climate change. The second task focuses on studying fishery biodiversity and coastal habitats by integrating existing models with satellite data and eDNA analyses. A third task is dedicated to modeling the dynamics of mangrove and palm forests using imagery combined with field data to enable spatiotemporal monitoring.
The successful candidate is expected to develop and lead major projects that contribute to

Logiciels ou matériels spécifiques utilisés

Computer software, remote sensing, and image processing (satellites, drones, LiDAR)

Conditions particulières d'exercice

• Two doctoral students and approximately six master's-level internship opportunities will join the Chair's project team.
• The Chair's team will also benefit from a research budget of approximately €50,000 over the

Le profil recherché

Diplôme (contractuels)	PhD in Computer Science and Remote Sensing
Expérience dans le domaine	a track record of high-quality publications and
Compétences attendues	Strong skills in computer science, remote sensing methods, image processing (satellite, drone, LiDAR), data science, and complex systems modeling. The application package must include: • a CV detailing scientific and teaching experience;
Connaissances	Knowledge of ecology is an asset. Proficiency in French is desirable but not mandatory.
Savoir faire	
Savoir être	

Rejoindre l'Université de Guyane, c'est :



Engagement

Diversité et égalité
—
Laïcité
—
Lutte contre toutes formes de discrimination et de harcèlement
...



Conditions de travail

37h30 de travail hebdomadaire
—
45 jours de fermeture annuelle
—
3 jours de télétravail sous conditions,
...



Accompagnement professionnel

Assistante sociale
—
Correspondant handicap
—
Priorité sur le développement des compétences
...



Comité des oeuvres sociales

Tarifs préférentiels sur les loisirs,
—
Evénements de cohésion
—
Chèques cadeau
—
Arbre de Noël
...



Accessibilité

Campus desservis par les transports en commun
—
Parkings et bornes de recharge électrique
—
Situé à proximité d'un éco-quartier et d'un parcours sportif
...

Pour postuler

Envoyer lettre de motivation, CV, diplôme le plus élevé et le cas échéant, le dernier arrêté d'avancement d'échelon exclusivement par voie électronique à :

Direction des Ressources Humaines et des Moyens
recrutement@univ-guyane.fr

Date limite d'envoi des candidatures 16 NOV 2026

Renseignements

Contact

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