

# WILD CHIMPANZEE FOUNDATION



## Call for application

### GIS expert / Cartographer / Data analyst

**Project:** Preservation of Guinea's flagship areas and species / Préservation des espaces et des espèces phares de Guinée.

**Employer:** Wild Chimpanzee Foundation (WCF)

**Location:** Republic of Guinea

#### 1. Summary

Guinea is committed to protecting its national biodiversity by ratifying international conventions such as the Convention on Biological Diversity (CBD) and has committed, following the Aichi objective, to increase protected areas from 15% to 25% of the national territory. A network of protected areas consisting of 17 national parks is being planned by the Guinean Office of National Parks and Wildlife Reserves (OGPNRF) of the Ministry of Environment and Sustainable Development (MEDD). It is in this perspective that the Wild Chimpanzee Foundation (WCF) has been supporting the Guinean government since 2015 with the creation of the Moyen Bafing National Park, covering a surface area of 6,426 km<sup>2</sup>. May 2021 saw the creation of this park by a presidential decree.

The European Union once again ordered the WCF to establish the National Parks of Pinselli-Soyah-Sabouyah (PN PSS) and Badiar, based on their previous success. The EU NaturaGuinée project's action seeks to boost the resilience of ecosystems, iconic species, and rural populations of Guinea in the future PN PSS and the Badiar National Park. The three pillars of this approach are: the conservation of biodiversity through the management of protected areas, the development of a green economy, and the enhancement of territorial governance.

To improve management and target interventions, it's important to regularly monitor animal populations and threat assessments because different intervention areas have different conservation profiles. Remote sensing is an essential tool to effectively respond to challenges, given the vastness of spaces to be managed and the complexity of data collection and analysis. A person with expertise in GIS, cartography, or data analysis is needed by WCF to help operational teams with cartography, remote sensing and spatial analysis.

## **2. Role and Responsibilities**

### *2.1. Cartography, visualization and reporting:*

- Create maps using mapping software such as GIS (Geographic Information System);
- Select appropriate symbols, colors and styles to represent data effectively;
- Present analysis results in a clear and understandable way to stakeholders.

### *2.2. Data collection and management:*

- Support for components to standardize and stabilize agroecological, natural ecological regeneration, surveillance data collection forms;
- Gather, verify and prepare geospatial data for use in analyses and maps;
- Ensure the quality and integrity of geographic data;
- Set up an internal spatial information management system at the WCF.

### *2.3. Spatial analysis:*

- Perform spatial analyses to identify trends, patterns and relationships in geospatial data;
- Use techniques such as layer overlay, spatial queries and distance calculations;
- Carry out spatial-temporal analyzes of vegetation following a standardized method.

### *2.4. Remote sensing and photogrammetry:*

- Perform analysis of satellite imagery;
- Fly drones;
- Perform analysis of drone imagery.

### *2.5. Technology watch:*

- Monitor developments in mapping and geospatial data analysis tools and methods;
- Work on the development of classification routines based on machine learning.

### *2.6. Communication and reporting:*

- Ensure good communication between the components and the Conakry office for any need related to remote sensing, cartography, data management; this communication will be done mainly by email or video conference;
- Facilitates the experiences exchange between WCF components/projects in Guinea and internationally;
- Participate in team work and discussions on the spatialization of data, the development of models that will facilitate the efficient and rapid analysis of field data.

### 3. Requirements and skills

- PhD/Master's degree in geography or a related field will also be considered, or a minimum 3 years of experience in analysis of remote sensing data on large landscapes;
- Experience in landscape monitoring methods;
- Experience in remote sensing and photogrammetry;
- Experience in data management;
- Ability to fly drones;
- Speak and write in French and English;
- Self-confidence and ability to advise, teach and inspire;
- Ability to manage stress and work under pressure;
- Ability to be proactive and show initiative and creativity;
- Willingness to take on a range of unforeseen tasks and work a flexible schedule, including some weekends;
- Willingness for field missions;
- Familiarity with the SMART Platform;
- Software skills: QGIS, Google Earth Engine, Python (GeoPandas, rasterio), Word, Excel, experience with SQL languages is a plus;

### 4. Duration

- Start date: earliest 3 February 2025
- Duration: 12 months, with the possibility of renewing. Compensation: according to WCF salary scale and experience.

To apply, please send your CV and cover letter with 2 references by email to

Lukas Bösch: [lukas.boesch@wildchimps.org](mailto:lukas.boesch@wildchimps.org)

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With " GIS expert / Cartographer/data analyst" in the subject line.

**Applications close: 28 January 2025**

**Only successful candidates will be contacted for interviews.**