

Remote Sensing internship
6 months, from January 2024 (or earlier)

I Company description

hummingbirds is an independent Nature-based Solutions (NbS) project developer founded in 2022. We aim at filling a gap in the booming ecosystem of the voluntary carbon market to build bridges between large corporate finance resources and experienced field project developers through capacity building and carbon finance mainly on greenfield projects.

To tackle the climate and biodiversity loss crisis, conservation of last chance ecosystem is key and fosters a lot of our attention. We also look closely at forestry restoration projects, sustainable forestry and agriculture, blue carbon, wetlands/peatlands and improved cooking solutions to reduce the pressure on forests.

Our main activities are:

- Sourcing, developing and financing new NbS projects
- Capacity building and assistance to local project developers

hummingbirds has ambitious goals for 2024 and is looking for a dynamic and autonomous profile, passionate about nature with strong ethics to deliver climate positive projects in developing countries with high co-benefits for local communities and biodiversity.

Our team of 16 enthusiastic and dedicated collaborators is located half in Paris and half abroad (Abidjan, Nairobi, Mexico, São Paulo, Singapore, Madrid).

II Internship Description

The position is based in Paris where you will join our team as a Remote Sensing Intern.

Your main contribution will be to support hummingbirds' Nature based Solutions portfolio development, with a strong focus on remote sensing. You will work closely with the Carbon Officer, as well as the eight Project Managers aboard in charge of business development. You will also work cross-functionally with the senior management team comprised of the Project Directors, the Impact Officer, the Investment Manager and the CEO.

You will report to the Carbon Officer who will rely on your support for screening of projects, carbon modelling and project development.

As Remote Sensing Intern, you will have the opportunity to contribute to:

- ▶ Support the team with the development and continuous improvement of methodologies for mapping and analyzing the potential of different types of NbS projects, with a strong focus on REDD+ and ARR.

- ▶ Support the development of a MRV protocol based on remote sensing to monitor the projects already implemented in the field.
- ▶ Support the mapping and identification of the most relevant areas in terms of potential for conservation, considering different methodologies of the Voluntary Carbon Market, such as REDD+ and IFM (Improved Forest Management).
- ▶ Put in place a surveillance tool to monitor forest fires in areas where hummingbirds' projects are currently taking place.
- ▶ Contribute to the non-permanence risk assessment of hummingbirds' portfolio, based on remote sensing and well-established methodologies.
- ▶ Prepare communication materials on the Voluntary Carbon Market to be shared with other stakeholders.
- ▶ Support hummingbirds with maps for presentations and reports.
- ▶ Support team on other relevant tasks (e.g. preparing presentations, consolidating data, summarizing information, etc.).

III Requirements

The ideal candidate is currently enrolled in the **last semester** of a Master's degree in Remote Sensing, Earth Observation, Geomatics, Data Science, Statistics, Forestry, Agriculture, Ecology, Environmental Engineering, Sustainable Development, Computer Vision, or related fields with a strong passion for environmental issues.

They will have previous experience with Remote Sensing, Geospatial Analysis and/or Earth Observation. A first idea about the Voluntary Carbon Market will be a plus.

They will demonstrate the following skills:

- ▶ Strong data-analytics capacities, with previous experience on programming languages and remote sensing software, such as R, C++, Python, QGIS, Google Earth Engine, etc. Knowledge of machine learning and AI will be a plus.
- ▶ Attracted by young companies with a "start-up" spirit in strong growth
- ▶ Autonomy, pro-activity and eagerness to learn, with a strong commitment to making our world a better place
- ▶ Thirst for adventure and enthusiasm
- ▶ Time management, organizational skills and great reliability
- ▶ Team player, able to easily integrate into projects with counterparts from different backgrounds
- ▶ Excellent communication skills, with the ability to present complex matters in a clear and concise way
- ▶ Fluency in English spoken and written is an absolute need. French, Spanish and/or Portuguese is a nice to have.



8 rue de la michodière, 75002 Paris
www.hummingbirds.eu

hummingbirds encourages the development of a Master thesis in combination with the internship. This possibility could be further discussed with the Intern.

Interested candidates should send their application (CV + cover letter) **by October 13, 2023** to jobs@hummingbirds.eu with the subject being **“Remote Sensing Intern – January 2024”**.

Important Note:

hummingbirds strongly supports diversity as a core value of our company. We believe that diversity helps to develop and nurture different points of view and to build a strong company culture that will ultimately enable us to meet the challenges of a changing world. We therefore encourage candidates issued from minority groups, diverse religion backgrounds, LGBTQ+, developing countries and women to join our team of engaged professionals.