Job offer – REGID International

Junior Forest Remote Sensing Scientist

REGID International is a Geospatial Impact Development organization that provides technical expertise to support landscape restoration and climate mitigation activities of development iNGOs, governments and private sector.

REGID International has worked in the past couple of years with the Gates Foundation Intellectual Ventures Lab of Seattle to build a digital climate technology – a CNN model for global tree cover assessment on very high-resolution imagery; we have synergized with our biomass carbon algorithm to provide one of the most competitive mix of spatial and temporal resolutions for global biomass carbon accounting in Afforestation/Reforestation (A/R) programs.

Technology Summary: We train Machine Learning image processor to recognize tree cover density, crown measurements and land cover as a proxy for biomass carbon in very high-resolution satellite imagery using training data that has been gathered in situ or via visual interpretation. We use this analysis to develop a dashboard for tracking biomass carbon projects over time.

The Technology is applicable in:

1. Demonstration of additionality for carbon forestry projects
2. Generation of very high-resolution data for decision support
3. Proposal Development support – definition of targets for restoration programs Technical advisory – design of monitoring strategic framework
4. Supporting fundraising through technical donor reporting
5. Continuous, existing and historical change monitoring of the above KPIs

At the moment we need to lock in the algorithm to programs where it will have the optimal impact in value addition for carbon tech. First, we will need to complete the tech through automation to a scalable platform and commercialize or operations. We are looking for individuals with self-drive, determination, energy and passion for nature conservation to join our team.

REGID International is looking for a forest remote sensing scientist.

Responsibilities

- Develop and apply remote sensing models
- Analyze remote sensing outputs and project documentation to draw conclusions about forest carbon projects
- Develop written reports of findings for REGID and stakeholders
- Assist with collection and processing of forest inventory datasets.

Qualifications

- A bachelor's degree in forest science or related degree
- Experience with Forest carbon projects or carbon offsets protocols
- Forest Mensuration skills. Familiarity with forest sampling techniques, allometry, baselines and calculations
- Ability and willingness to communication complex scientific topics to non-expert audiences (both in writing and in person)

- Strong Python skills. Experience with common Python geospatial libraries (e.g gdal, rasterio, panda libraries, Fiona)

Experience:
3+ years experience in forest carbon projects and development of remote sensing models.

Salary: Salary commensurate with experience. USD $55000 – $65000

Travel requirements: Low

Location: Remote for the first 3 months, Seattle after 3 months

Beginning : 27th September 2021

Closing Date of the Position: Open until filled

Type of contract: Full-time

How to apply: Send a cover letter sharing your personal interest as well as resume to: info@regid-international.org