CONSERVATION INTERNATIONAL
Singapore

GEOSPATIAL ANALYSIS AND REDD+ INTERN

We are seeking a promising and self-motivated Geospatial Analysis and REDD+ (Reducing Emissions from Deforestation and Degradation) Intern to support the long-term growth and success of Conservation International's work in the Asia-Pacific Field Division for a period of 3-6 months. The intern will have the opportunity to work alongside Conservation International's team in Cambodia and the Philippines to support landcover classification map development and build a radar-based forest disturbance alert system within the project sites.

The Conservation International Internship Program is open to undergraduate or Master's level students in local universities reading Geography, Earth Systems Science, Spatial Analysis, or related fields.

About Conservation International
Conservation International works to spotlight and secure the critical benefits that nature provides to humanity. Since our inception in 1987, we've helped to protect more than 6 million square kilometers of land and sea across more than 70 countries. Currently with offices in 29 countries and 2,000 partners worldwide, our reach is truly global. Building upon a strong foundation of science, partnership, and field demonstration, Conservation International empowers societies to responsibly and sustainably care for nature, our global biodiversity, for the well-being of humanity.

In Singapore, Conservation International envisions a vibrant, resilient and sustainable city for generations to come and aims to empower the community to protect nature through individual and collective action. Conservation International Singapore's country program is focused on community engagement and education, capacity building through student internships, and exploring and supporting innovative solutions for conservation science and research.

Conservation International Values
We expect that all employees will embrace the values of our organization:
- Passion: Inspired by people and by nature, we are urgently compelled to drive change for a sustainable future.
- Integrity: We are honest, transparent and accountable for our actions.
- Teamwork: We work together as one Conservation International, recognizing that inclusion, collaboration and cooperation are fundamental to achieving a healthy and prosperous world for all.
- Respect: We respect each other and work to earn trust, valuing our diversity of cultures, talents, and experiences.
- Courage: We pursue our vision, taking bold action, persevering and overcoming challenges.
- Optimism: We are optimistic about the capacity of people to be caring, generous and brilliant, and believe that with partners, we can inspire humanity to create a better future.

Location
Singapore (hybrid-working)
Must have stable and secure internet access for work.

About the Project
REDD+ is a framework created by the UNFCCC Conference of the Parties (COP) that guides activities in the forest sector to reduce emissions from deforestation and forest degradation, as well as the role of conservation, sustainable management of forests, and enhancement of forest carbon stocks in developing countries. Conservation International is piloting a REDD+ project that aims to generate carbon credits for offsetting greenhouse gas emissions and for sustainable financing to support the conservation of wildlife sanctuaries.

Like many forests in the region, such as Cambodia and the Philippines, where Conservation International is developing REDD+ projects, they are threatened by illegal logging, wildlife poaching, mangrove loss, agro-industrial development, and unsustainable mining. Using science-based policies designing conservation programs, and monitoring the landscape, Conservation International and the management board of the protected area aim to achieve zero net loss of forest and ecosystem services in the targeted sites.

Geographic Information System (GIS) and remote sensing are key components for the operations of these carbon projects which rely on spatial analyses to support protected area management and the quantification of carbon emissions. This internship will provide the opportunity to engage and support the development of these tools and data products.

About the Role
Working with the Senior Director of Carbon Development based in Singapore and colleagues in the Asia-Pacific Field Division, the intern will provide support in the following areas:

- Support the development of landcover classification maps and provide support on map interpretation and assessment of the accuracy of these maps within project sites throughout priority sites in Cambodia and the Philippines, in partnership with scientists from SERVIR-Mekong, a geospatial data-for-development program that responds to the needs of Lower Mekong countries.
- Support the development of radar-based forest disturbance alert systems in Cambodia and the Philippines' REDD+ projects.
- Validate forest loss and forest area in Cambodia and the Philippines using satellite imageries on Collect Earth Online.
- Perform geospatial analyses and compare digitized deforested areas collected from groundwork with Global Land Analysis & Discovery's loss estimates.
- Work with various project managers and peers on implementing workflows in data acquisition and processing.

Qualifications
- Current enrolment in a Singapore university (or gap year), reading an undergraduate or Master's degree with a focus on Geography, Environmental Studies, Earth Systems Science, Spatial Analysis, or related fields.
- Proficiency in spatial analysis, mapping, and the use of remote sensing and associated software (e.g. ArcGIS, QGIS, Google Earth Engine).

Desirable Qualities
- Independent thinker and worker.
- Advanced analytical skills.
- Experience with statistical modeling.
- Interest in forest management and mapping.

Benefits
The intern will be provided with a monthly stipend of SGD 1,000 for a 5-day work week.

Application
To be considered for this internship, please apply to singapore@conservation.org with the subject "**Application: Geospatial Analysis and REDD+ Intern – [full name]**" and the following attachments:
1. Curriculum vitae.
2. Cover letter, which should include the applicant's interest in working with Conservation International's field programs in the Asia-Pacific and any relevant experience working in an NGO or environmental conservation setting.
3. Period of availability (indicate availability in your cover letter).
4. Sample maps/projects to show experience and skills working with GIS software.

Shortlisted candidates will be invited for an interview.