

TONLE SAP SPATIAL ANALYSIS INTERN

We are seeking a promising and self-motivated Tonle Sap Spatial Analysis Intern to support the long-term growth and success of Conservation International's work in the Greater Mekong region for a period of 3-6 months. The intern will have the opportunity to work with Conservation International's team in Cambodia to support spatial analysis for vegetation types and fire regimes, as well as define the presence and distribution of emergent trees on the Tonle Sap in Cambodia.

The Conservation International University Internship Program is open to diploma or undergraduate students in local polytechnics or universities reading Geography, Biology, Environmental Management, Spatial Sciences, 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 CI, 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 (remote-working)

Must have stable and secure internet access for work.

About the Project

The Tonle Sap is Southeast Asia's largest freshwater lake and the heart of one of the world's largest and most important fisheries. The Tonle Sap supports the livelihoods of 1 million people who rely upon its natural resources for their daily survival. Conservation International has been working on the Tonle Sap since 2006 to improve livelihoods of fishing communities and conserve the lake's unique biodiversity. Dry season forest fire is a serious problem on the floodplain, and we are supporting communities to implement Community Based Fire Management. Understanding the structure and distribution of the lake's various vegetation associations and the lake's fire regime remain critical knowledge gaps.

For more information on the program: <https://www.conservation.org/places/greater-mekong>

About the Role

Working with the Freshwater Manager and the Conservation International team in Cambodia, the intern will provide support in the following areas:

1. Use spatial datasets available in Google Earth Engine to undertake image classification analysis in the form of:
 - Defining and mapping the vegetation types, and
 - Defining the fire regime at targeted sites and the impact of CI's fire management interventions.
2. Outline the presence and distribution of emergent trees which can be described using fragmentation statistics.

Qualifications

- Current enrolment in a Singapore polytechnic or university (or gap year), reading a diploma or undergraduate degree in Geography, Biology, Environmental Management, Spatial Sciences, or related fields.
- Proficiency in spatial analysis, mapping, and the use of remote sensing and associated software (e.g. ArcGIS, QGIS, Google Earth Engine).
- Experience and interest in biodiversity conservation and spatial analysis.

Desirable Qualities

- Spatial analysis skills including ability to program in Google Earth Engine.
- Skills in analyzing spatial data using techniques such as fragmentation statistics.
- Independent thinker and worker.

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: Tonle Sap Spatial Analysis 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.

Shortlisted candidates will be invited for an interview.