



RESEARCH CALL 2019 ON TROPICAL FOREST CANOPY RESEARCH

STICHTING HET KRONENDAK



The Canopy Foundation (Stichting Het Kronendak) stimulates research, conservation and management of the canopy of tropical rainforests, and the dissemination of the results to the general public.

The Canopy Foundation supports student research projects (BS, MSc, and PhD) for their fieldwork. However, in this research call 2019, we invite established researchers connected to Dutch universities or research institutes, to submit a proposal in of the following three categories:

1. Structure, function, and architecture. Tropical forest canopies form the interface between the vegetation and the atmosphere, and are responsible for a large part of the carbon, water, nutrient, and energy fluxes. They have a complex three-dimensional structure, created by plant growth forms with different architecture related to plant functioning, growth, survival, and reproduction (a famous example are the architectural tree growth models of Hallé, Oldeman and Tomlinson). We are looking forward to new insights on the structure and architecture of tropical rainforest canopies and their implications for plant- or ecosystem functioning.

2. Tropical rainforest canopies; the last frontier unravelled using novel tools. Because of their sheer height and inaccessibility, tropical rainforest canopies are the last frontier to be discovered. New tools become available to map and monitor forest canopies (e.g., LiDAR, drones), track and identify canopy animals (e.g., camera and sound traps, GPS collars), and infer ecological processes (DNA, isotopes). What exciting insights can be gained about canopy ecology, using these novel techniques?

3. Tropical rainforest canopies; your favourite topic. Tropical rainforest canopies account for most of the primary production, harbour most of the insect and bird diversity, and many different life forms (trees, lianas, epiphytes). They are crucial habitat for many animal species, and for many plant-animal interactions (pollination, dispersal), and used by people for (non)timber forest products. Connect your favourite study topic to forest canopies in a creative way.

Who can apply? Researchers (Dutch and foreign) who work at a Dutch university or research institute, and possess a PhD degree (postdocs and staff).

What is covered? We finance a **grant of € 12,500,-**. The grant can cover travel costs, field work, consumables, equipment, and local field assistance, but not the salary of the researcher.

What are the selection criteria? Scientific quality of the proposal, novelty, and impact

What is the procedure? A digital proposal should be submitted, using the attached template. The procedure is light (the proposal is max. 2000 words) and fast (the decision will be communicated by October 1, 2019). The board of the canopy foundation will select one proposal for funding if the quality is sufficiently high.

When is the application deadline? September 15, 2019, 24:00 h.

Where to submit? Submit digital proposals to: info@kronendak.nl

More information? Please send your request to: info@kronendak.nl

Presentation. The grant laureate is expected to give a presentation about the proposal at the Canopy Foundation symposium, the afternoon of October 31 at Hogeschool Larenstein in Velp. At this symposium, also the Thurkow award will be awarded to a laureate for an outstanding contribution to research, conservation, or management of tropical rainforest canopies.

Output. Relevant research output (i.e., a scientific publication) is expected within 3 years from the decision (October 2022).

