



Smithsonian Tropical Research Institute *Center for Tropical Forest Science*

Research Grants Program

The Research Grants Program of the Center for Tropical Forest Science (CTFS) of the Smithsonian Tropical Research Institute supports research associated with the CTFS network of Forest Dynamics Plots. This grants program is intended to provide opportunities for senior researchers, post-doctoral fellows, and graduate students to utilize existing Forest Dynamics Plots and to conduct research with scientists associated with these plots.

What types of projects will the CTFS Grants Program support?

Anyone working directly in a Forest Dynamics Plot, analyzing data from a plot, identifying plants or animals in a plot, or generating complementary data that strengthens Forest Dynamics Plot programs is eligible to apply. Projects can be field-oriented, herbarium- or laboratory-based, or analytical. Research projects can be either basic or applied in nature. Social scientists as well as natural scientists are encouraged to apply.

Who is eligible to apply?

The CTFS Grant Program is open to all researchers, from graduate students to senior scientists. In some cases, advanced undergraduates will also be considered. Preference will be given to scientists in the countries with CTFS sites and to all graduate students and post-doctoral researchers. Applicants are welcome from all nationalities.

How much funding can one request and for how long?

The majority of the CTFS Research Grants will be in the \$3,000-\$30,000 range. The CTFS Grants Program will make awards for projects three months to three years in length.

What expenses can be included in the grant proposal?

Funding is restricted to expenses directly related to field research, laboratory research, and data analysis. Examples of eligible expenses include travel, living expenses during fieldwork, supplies, research assistance, and resulting publications. Funds are not available for salary and/or fringe benefits of applicant, tuition, non-project personnel, or travel to meetings. In addition, the grants program will NOT support indirect costs for institutional support.

Does the CTFS Grants Program support undergraduate and graduate study costs?

No, funding cannot be applied to undergraduate and graduate expenses such as tuition, books, and fees.



What is the Center for Tropical Forest Science?

The Center for Tropical Forest Science is a program within the Smithsonian Tropical Research Institute that coordinates a pan-tropical network of large-scale Forest Dynamics Plots, each using a standardized protocol. Within each census plot, all trees greater than 1 cm at diameter breast height are measured, tagged, identified, and monitored through time. Since the first Forest Dynamics Plot was initiated on Panama's Barro Colorado Island in 1980, the network has grown to include 18 sites in 15 countries, and is currently monitoring more than 3 million trees of about 6000 species. (See map and list of CTFS Forest Dynamics Plots). For more information on the CTFS network or Forest Dynamics Plot methodology, visit the CTFS website www.ctfs.si.edu.

What should be included in the application?

Grant proposals should include the following:

- *Cover Sheet.* Include project title, name, contact information and nationality of principal investigator(s), duration of project, and status of PI(s). Please indicate study site(s) and if this proposal is a repeat submission.
- *Research Proposal* (not to exceed 1500 words). The proposal must describe the proposed research, indicate its relevance to one or more Forest Dynamics Plots, and explain the significance of the work to a broader discipline. The general format of the proposal should include: introduction, description of research project with clearly stated hypotheses, significance of research, detailed methods, anticipated outcomes, and a bibliography/references. Note: the bibliography should not be counted as part of the word limit for the proposal.
- *List of collaborators.* Provide a list of collaborators on the project. For graduate students and postdoctoral researchers, an advisor is also necessary. Host-country collaborators are strongly recommended. In addition, applicants are strongly encouraged to contact plot directors BEFORE submitting a proposal.
- *Curriculum vitae.* A CV of the applicant should include contact information, educational background, current and previous fellowships and grants, and research interests.
- *Proposed referees.* Please provide a list of three people that could review the proposed research but who are not current collaborators or advisors.
- *Detailed Budget.* A budget should include all costs related to carrying out proposed research. Please see above for expenses that can be included in the proposal. A budget justification is also suggested.

How will applications be evaluated?

Applicants are pre-evaluated by plot directors of proposed study sites and then evaluated by a panel of scientists associated with the CTFS network. Larger grant proposals will also be reviewed by outside scholars. Awards are made on the basis of the proposal's merit, the applicant's ability to carry out the proposed research, the likelihood that the research can be carried out in the proposed time frame, and the extent to which Forest Dynamics Plots contribute to the proposed research.

How should proposals be submitted?

Proposals can be sent electronically (preferred method) or by mail to the addresses listed below.

CTFS Grants Program
Center for Tropical Forest Science
Smithsonian Tropical Research Institute
P.O. Box 37012
Washington, DC 20013-7012 USA
E-mail: ctfslist@stridc.si.edu
<http://www.ctfs.si.edu>, <http://www.ctfs-aa.org>, <http://www.stri.org>

For additional information please contact:
Stuart Davies, CTFS-AA Asia Program Science Director
Email: sdavies@oeb.harvard.edu

Richard Condit, CTFS Latin America & Africa Program Science Director
Email: condit@stri.org

When are applications due?

This grants program has switched to an annual cycle. Submissions will be accepted yearly on the last Friday of July. The next deadline for applications is **JULY 29, 2005**. Decisions will be made approximately three months after the deadline.

C T F S F o r e s t D y n a m i c s P l o t s

LATIN AMERICA

- Barro Colorado Island Nature Monument, Panama
- Biological Dynamics of Forest Fragments, Manaus, Brazil
- La Planada Nature Reserve, Colombia
- Luquillo Experimental Forest, Puerto Rico
- Yasuní National Park, Ecuador

AFRICA

- Ituri Forest, Democratic Republic of Congo
- Korup National Park, Cameroon

ASIA

- Bukit Timah Nature Reserve, Singapore
- Doi Inthanon National Park, Thailand
- Fushan Nature Reserve, Taiwan
- Huai Kha Khaeng Wildlife Sanctuary, Thailand
- Khao Chong Wildlife Refuge, Thailand
- Lambir Hills National Park, Sarawak, Malaysia
- Mudumalai Wildlife Sanctuary, India
- Nanjenshan Nature Reserve, Taiwan
- Palanan Wilderness Area, Philippines
- Pasoh Forest Reserve, Peninsular Malaysia
- Sinharaja World Heritage Site, Sri Lanka

	Principal Investigator(s)	Nationality	Proposal Title	Study Site
August 2004 Grant Recipients	Chave, Jérôme	France	Contribution of tropical forest trees to the carbon cycle: Refining biomass estimates	Yasuni, Ecuador; La Planada, Colombia; Korup, Cameroon; Sinharaja, Sri Lanka
	Chuyong, George; Kenfack, David; Thomas, Duncan	Cameroon	Habitat specificity and diversity in the Korup Forest Dynamics Plot, Cameroon	Korup, Cameroon
	Hooper, Elaine R.	Canada	Effect of forest fragmentation on seed dispersal and forest regeneration at the Biological Dynamics of Forest Fragments Project site in the Central Amazon	BDFFP, Manaus-Brazil
	Ichie, Tomoaki	Japan	Soil-related physiological and morphological adaptation in Dipterocarp rain forest species in Borneo	Lambir, Sarawak-Malaysia
	King, David Alan	USA	Wood density and adult tree height in Malaysian forests	Pasoh, Malaysia; Lambir, Sarawak-Malaysia
	Linder, Joshua M.	USA	Differential vulnerability of primates to hunting in Korup National Park, Cameroon: Implications for primate conservation	Korup, Cameroon
	Lyon, Mandela	USA	Dicot leaf morphology in tropical forests: Determining the significance of climate, ecology, and evolutionary history in shaping leaves	BCI, Panama; Korup, Cameroon; Lambir, Sarawak-Malaysia; Pasoh, Malaysia
	Mullins, Chris	UK	Development of a protocol to characterize soil drought stress for use in within- and among-site comparisons of the CTFs Forest Dynamics Plots	BCI, Panama
	Nkongolo, Nsalambi	Dem. Rep. of Congo	Spatial distribution of soil properties in Ituri Forest, Democratic Republic of Congo	Ituri, Dem. Rep. of Congo
	F. Athanasius, Nkwatoh	Cameroon	Assessment of Non-Timber Forest Products economic potentials in the Korup Forest Dynamics Plot, Mundemba Cameroon	Korup, Cameroon
	Pakkad, Greuk; Kanzaki, Mamoru; Sringeriyuang, Kraingsak	Thailand	Genetic variation and gene flow of <i>Castanopsis acuminatissima</i> (Bl.) A. DC. in Doi Inthanon National Park Forest Dynamic Plot, Thailand	Doi Inthanon, Thailand
	Robinson, W. Douglas	USA	Linking bird and tree communities in Central and South American forests	BCI, Panama; Yasuni, Ecuador
	Shamsuddin, Siti Aisah; Maryanna, L.; Saiful Iskandar, K	Malaysia	Characterization of plant community in relation to fine-scale variation in topography and water availability in Pasoh 50-ha demography plot	Pasoh, Malaysia
	Villa Munoz, Gorky	Ecuador	<i>Brownea grandiceps</i> used to study evolutionary processes of diversification in rain forest trees	Yasuni, Ecuador and Venezuela
	Weber, Jean	France	Structure of ectomycorrhizal communities in a Dipterocarp forest and its relationship to Dipterocarp distribution	Pasoh, Malaysia
	Yaacob, Adzmi; Rahman Kassim, Abd.; Supardi Noor, Md. Nur	Malaysia	Spatial pattern of soil nutrient distribution in the 50-ha plot of Pasoh forest reserve	Pasoh, Malaysia