The CTFS Network of Large Forest Plats: Applications # for Diversity Inventory I Thanks THE Eartrale Popied Forest Forum I do bis acience have -scale intensive inventories, key sites, regreated Hodgess bey questions: how many grecie, abundance, extinction charge, climate Maps to remind of the abundance Demography, models of community, extraction, coz, II CIFS / STR( Standardized at of large plots overhood zain just finished before war Royal ne of collaborators 皿 Count on participation of local scientists
3 Zairiam à Comerconian Extend plots as resemb centers Selfish on my part, since atrians can get finds Diversity in 4 globs, how it helps in ragnid assessment

Diversity of 870,000 ind of 1530 app is

First even report on Zaute

1. Problem with Spp-asea.

2. Spp-individ eliminates, for similar processes

3. Theory is product 3. Theory & presist 4. Small samples underspinate distribut theory provides way
to extrapolate; lack of asymptotic

4. Recommendations (small samples underspinate, but theory 5. Taire provides way to extrapolate; lack of asymptote monodominance Early results of curve defies theory Relates to dominance (map of m ban) condusion, mban restrict div, favors ambaka conclusion - African forest diverse, underestinated in sudiplets

I Conclusions

Mixed forests can be accurately extrapolated with

an easy intex provided by theory

(but further fest needed to estimate your Difference

tinter to range theory needed careful

How theoretical ecology of each with New theory needed for understanding, contigating effect of monodominance Sampling at extensive sites, theory for intering species range of extrapolating & change in communities Gerend - how theoretical ecology, coupled with thorough empirical work, does aldress bey issues in conservation

						*				
imas	Number of species and stems for different quadrat sizes in Zaire							2 Jan 97		
ionar 20	Dim1	Dim2	N	Dbh	Species Mean	Stems Mean	BI	speci +	25	-mbaw stems
	20 20 20	20 20 20	250 250 250	10 100 300	44.47 7.33 1.99	284.00 13.73 3.61	51			
	40 40 40	40 40 40	60 60 60	10 100 300	89.62 19.02 4.55	1130.25 54.10 14.37				
	100 100 100	100 100 100	10 10 10	10 100 300	187.50 62.00 14.60	7099.90 343.30 90.20	173			
	200 200 200	200 200 200	2 2 2	10 100 300	266.50 115.00 35.50	28283.50 1340.50 361.50	- 5			
	200 200 200	500 500 500	1 1 1	10 100 300	356.00 199.00 73.00	70999.00 3433.00 902.00	270			
pecies	1/0	1	Ste	Ms					NA O	
		Spe			ox 20			AN	SM	bav.
				u m			20.			40×40
		Fusc			(16 20	Spec	183 =			
		605	M		60 6 sp	7				5
	5	545	ind	6	737 ind			4.	han	230 cm

# U.K. TROPICAL FOREST FORUM

c/o NATURAL RESOURCES INSTITUTE, CENTRAL AVENUE, CHATHAM MARITIME, KENT ME4 4TB, UK TEL: 01634 883954 FAX: 01634 880077 Chairman: Ron Kemp Coordinator: Jane Thornback

To Dr Richard Condit, Centre for Tropical Forest Science **Smithsonian Tropical Research Institute** Edificio 401, Avenido Roosevelt ANCON, Panama Republic of Panama

Fax: 00 507 232 6274

From Jane Thornback

Date 30 October 1996

Re Cameroon Conference on 17-24 January 1997

No of pages

#### Dear Dr Condit

Ms Thornback has contacted Dr Elizabeth Losos about participation in the forthcoming Conference in Limbe, Cameroon on the African Rainforests and the Conservation of Biodiversity.

Dr Losos will be unable to attend the Conference to present a paper entitled:

'The Smithsonian 50sq. ha. plot: African review'

She has, however, suggested contacting you to take her place. She also proposed that the title of the paper should be changed to:

'Forest Dynamics Plots of the Centre for Tropical Forest Science: An African Review and its relevance to forest management'

Please would you indicate whether you are willing and able to attend the Conference to present a paper.

been 5.9

Ms Thornback will be in the office tomorrow (Thursday 31 October), and will be able to supply more details about the Conference.

Yours sincerely

Jeremy Burgess pp Jane Thornback





# U.K. TROPICAL FOREST FORUM

c/o natural resources institute, central avenue, chatham maritime, kent me4 4tb, uk TEL: 01634 883954 FAX: 01634 880077 Chairman: Ron Kemp Coordinator: Jane Thornback

### THE AFRICAN RAIN FORESTS AND THE CONSERVATION OF BIODIVERSITY

#### WORKSHOP

17-24 JANUARY 1997 LIMBE BOTANIC GARDEN, SW PROVINCE, CAMEROON

Atlantic Beach A WorkShop will take place at the Limbe Botanic Garden in SW Province, Cameroon, West Africa, from 17-24 January on the topic of the African Rain Forests and the Conservation of Biodiversity. The theme of the Workshop is the linkages between the inventory, monitoring and assessment of biodiversity and the management, use and conservation of forests.

The Workshop will have four major themes around which discussion will be focused:

- The inventory, monitoring and assessment of biodiversity
- The use, management and conservation of forests, both commercially and by community
- The institutional framework for forest conservation
- The valuation of forest resources for conservation purposes

The meeting will have four working groups to match the four themes. These will discuss how the themes contribute to the conservation of biodiversity; plenary sessions will then consider the linkages between the four topics as a realistic approach to conservation.

The Workshop is sponsored by Earthwatch Europe with a grant from DGVIII of the European Union, and with support from the UK Overseas Development Association whose Mount Cameroon Project will act as the local host. The event is being coordinated by the UK Tropical Forest Forum.

Immediately following the main conference will be a one-day Workshop on the topic of the "Domestic Market Potential for Non Timber Tree Products". This is being coordinated by the UK-based Natural Resources Institute.

Limbe Botanic Gardens are a one hour drive from the international airport at Douala, SW Cameroon. A range of hotel accommodation is available. For further information contact:

Jane Thornback UK Tropical Forest Forum Natural Resources Institute Central Avenue Chatham Maritime Kent ME4 4TB United Kingdom

Tel: 01634 883954. Fax: 01634 880077 e-mail: jane.thornback@nri.org





Workshop Agenda - Draft - September 1996

## AFRICAN RAINFORESTS AND THE CONSERVATION OF BIODIVERSITY

## LIMBE BOTANIC GARDEN, SW CAMEROON

17 - 23 January 1997

## Programme of events

#### Day of Arrival Thursday 16 January

Arrival and registration

Afternoon: Tours of Limbe Botanic Garden

Evening: Informal reception and buffet supper

#### Day 1 Friday 17 January

10am: Official opening ceremony (Limbe Town Hall/LBG Jungle Village)

- Opening remarks
- Intro to Mt Cameroon Project
- Intro to EU funding for conservation
   Intro to Earthwatch Europe
- Intro to UK Tropical Forest Forum
- Speeches of welcome by Ministers
- Intro to Workshop: aims and objectives
- Opening speech

Conservation of African rainforests: who is it for and how to achieve it?

Lunch: Sonara Beach Club

Tours of Limbe Botanic Garden / Mount Cameroon project lectures

#### Day 2 Saturday 18 January

Key note addresses on the Workshop Themes from the Working Group Chairpersons.

- 8.30 Biological Inventory and Monitoring
- 10.30 Use, Management and Conservation of Forests: commercially and by community
- 12.00 Lunch
- 1.30 Institutional framework for forest conservation
- 3.30 Valuing the forest resource for conservation purposes
- 5.00 Setting up of Working Groups
- 7.30 Buffet in the Limbe Gardens

### Day 3 Sunday 19 January

Workshop tours to mangroves and mountain

#### Day 4 Monday 20 January

Working Groups on two of the four themes meet in session led by Theme Co-Chairs. Presentations of 20 minutes each followed by discussion of 15 minutes.

#### Day 5 Tuesday 21 January

Working Groups on the remaining two themes meet in session

Chairs plus rapporteurs to draw up comprehensive recommendations for presentation at plenary session

#### Day 6 Wednesday 22 January

Plenary Session with reports back from Working groups plus discussions of recommendations.

Evening: Workshop Dinner

Day 7 Thursday 23 January (end midday)

Final session. Conference recommendations. Closing ceremony

#### Friday 24 January

One Day Workshop on "Domestic Market Potential for Non Timber Tree Products organised by the UK Natural Resources Institute

#### Field Trips

- 1. Limbe Botanic Garden. (2-3 hours) At a variety of times throughout the meeting
- 2. Mount Cameroon Project. (Half to one day). Visit to various project areas.
- Korup, Kilum and Kupe Forest Conservation Projects. (3-4 days) All three areas are a one -day drive from Limbe. Arrangements can be made for Small groups of up up to ten people to visit these sites
- 4. Savannah Parks of North Cameroon. Tour operators can arrange tourist visits if sufficient interest.

# Monday, 20th January 1997

Working Group 1: Biological inventory and monitoring

Co-Chairs	Dr Ian GAULD (Natural History Museum, UK) Dr Leon BENNUN (National Museums of Kenya)
8.15	Welcoming Remarks
8.30	Dr Leon BENNUN & John FANSHAWE: (National Museums of Kenya; BirdLife International UK) Using forest birds to evaluate forest management: an East African perspective.
9.00	Dr Martin CHEEK (Royal Botanic Gardens, Kew, UK)  Title tbc: Botanical inventory in South West Cameroon: linking inventory to conservation.
9.30	Dr Richard BAGINE (National Museums of Kenya) Biodiversity databases as management tools: an example from Kakamega Forest, Kenya
10.00	Coffee
10.30	Joseph MUTANGAH (National Museums of Kenya) Forest quality indicators and Kakamega Forest, Kenya
11.00	Mr Abu Juam MUSAH (Forestry Department, Ghana)  Title tbc: The role of databases and forest inventories in Ghana
11.30	Prof. Emmanuel OBOT (Cross River National Park, Nigeria) Biodiversity surveys in Cross River National Park, Nigeria
12.00	Dr Richard CONDIT (Center for Tropical Forest Science, Panama)  Large Plots of the Center for tropical Forest Scince: Relevance to Biodiversity and Management
12.30	Lunch
14.00	Mr Clement TOH & Mr John de MARCO (BirdLife International, Cameroon & Royal Society for the Protection of Birds, UK) Biodiversity monitoring on Mount Oku, Cameroon
14.30	Mr Alphonse MACKANGA (ECOFAC, Gabon & Universite de Montpelier, France)  Utilisation des inventaires biologiques dans l'amenagement de la mosaique foret-savane.
15.00	Dr Valerie KAPOS & Mr Martin JENKINS (World Conservation Monitoring Centre, UK)  Title tbc: Indicators of forest condition and vulnerability