

Costa Rica Study Tour
 Private Forest Conservation Incentives
 August 6-17, 2002

Special thanks to:



Private Forest Conservation

- Mechanisms:**
 - Bio-Prosppecting
 - Conservation Easements
 - Ecotourism
 - Certification (coffee and timber)
 - Carbon Credits
 - Watershed protection (contracts with dams)
 - Ecosystem Service Payments
- Institutions:**
 - Government**
FONAFIFO (& MINAE)
 - Non-profit**
FUNDECOR CACSA
CODEFORSA CCT
InBio CATIE
OTS (La Selva, Palo Verde)
Monteverde Institute
Z-13 Association
 - Universities:** UNA
 - Private:** Maderas Preciosas
Hacienda La Pacifica



Undergraduates
 Kirsten Collings
 Elizabeth Lee
 Mary Beth Plummer
 Sally Thorpe
 Amanda White
 Andrew Whittier

Graduate/PhD Students
 Nevin Dawson
 Duncan Quinn
 Brian Rosenfeld
 Jaime Schuler
 Anthony Snider
 William Shroyer

Faculty/Support
 Erin Sills
 Subhrendu Pattanayak
 Jacek Siry
 Fred and Rita Cabbage
 Mariana Ramirez



INBioparque

Blue jean Dart Frog

Bio-prospecting at INBio



Lonchocarpus felipei

Director of Centro Internacional de Política Económica, UNA

"Competitiveness, Systems of Innovation and Learning Economy: Forest Sector in Costa Rica"



Professor Olman Seguro-Bonilla

FONAFIFO



Edgar Ortiz

CATIE: Organic coffee farm



Guillermo Obando shows our group around at his family's farm.

CATIE: REFORCAT



- "Reforest CATIE"
- Six native tree species
- Eucalyptus seed orchard

OET/OTS La Selva



Aug 9

FUNDECOR



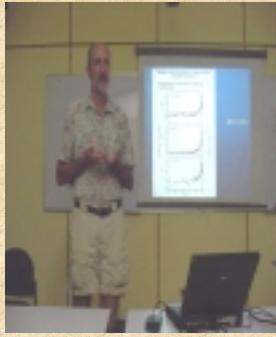
- Juan Carlos from FUNDECOR showing us one of their detailed management plans.

CACSA

- Victor Arayla points out some different seedlings in the germination room.



Carbon Sinks



- Dr. David Clark, a prominent researcher based at La Selva, talks to our group about carbon sequestration, land use change, and global climate.

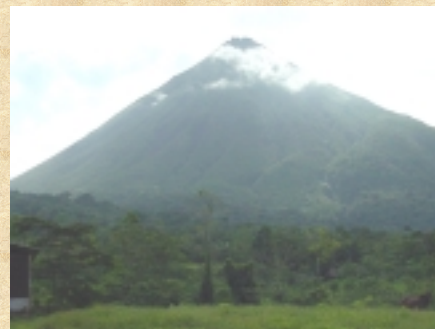
Bird Watching



Aug 10



Volcán Arenal



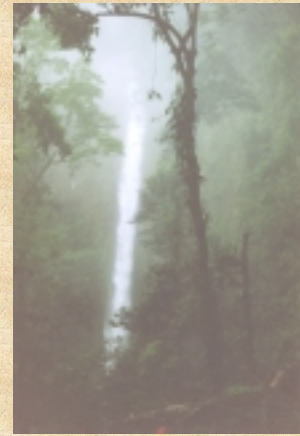
View from La Catarata Lodge

Aug 11

Arenal-La Fortuna:

- Z-13: La Catarata Ecotourism Lodge and Community Association (ASPROADES)
 - Est. 1991 to help local farmers transition to organic production of medicinal herbs
 - Decrease in membership since inception due to differing opinions
 - Competition and lack of funds for advertising are challenges for the lodge
 - Ecotourism has been good for the local economy, but negative impacts to environment observed

Early Morning Water Fall



Aug 12

CODEFORSA



Harness private funding to complement government programs.

81% of properties receiving environmental service payments through CODEFORSA have <30 ha.



Palo Verde: Tropical Dry Forest



Eugenio Gonzalez,
Director of OTS Station at Palo Verde

Cleared for ranching, the deciduous forests of Central America are now endangered.

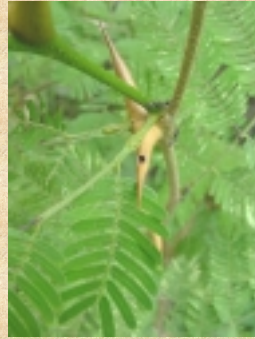
Aug 13

Rio Tempisque



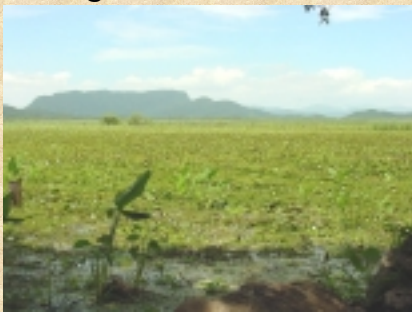
Tidal and brackish the Tempisque river winds through Palo Verde National Park

Acacia Plant



Ants live in the hollow thorns of the Acacia. Dual glands at the leaf stem provide sugar.

Laguna Palo Verde



Cattails threaten habitat for migrating birds. Wetland restoration projects are underway with the cooperation of local ranchers

Maderas Preciosas (Precious Wood) Plantation Tour

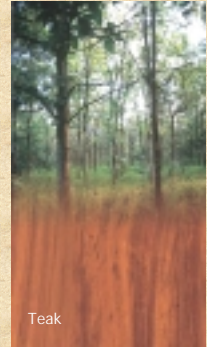


Aug 14

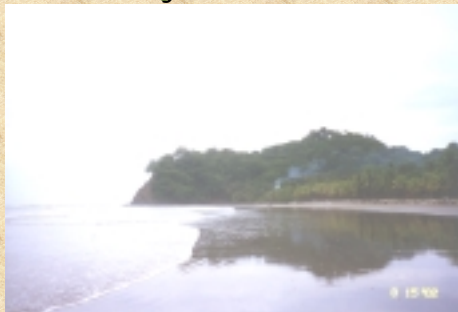
Bombacopsis quinatum
Pochote, Spiny Cedar



Teak Plantation



Playa Samara



The view at the beach

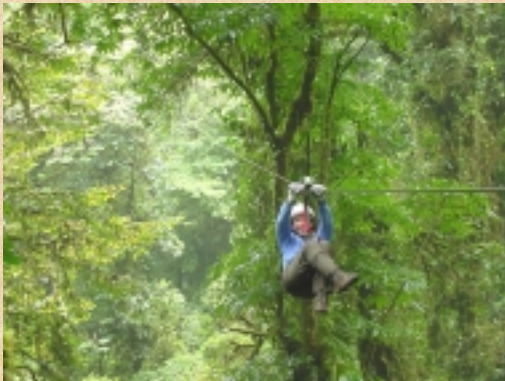
Aug 15

Eco-Tourism in Monteverde



Anxiously Awaiting Skytrek

Aug 16



Nela on the zipline

Monteverde Institute



Nat Scrimshaw, Director of Monteverde Institute



Aug 17

Program of Payments for Environmental Services From Forest Ecosystems in Costa Rica.

Environmental Service	Biodiversity Protection Scenic Beauty Mitigation of GHG Water quality and flow regularity
Who pays?	Costa Ricans through a tax to fossil fuels. Voluntary Agreements with GEF- Hydroelectric Projects-Water and beer bottler.
Who is receiving the payments?	Private Land Owners
Land Uses	Forest Protection (including natural regeneration) Reforestation Natural Forest Management
Type	Land Owners-Government Contracts. Private and Public Funds



TOTAL AREA AND NUMBER OF CONTRACTS BY MODALITY AND YEAR

Year	Forest Conservation Easements	Sustainable Forest Management	Reforestation	Total	Number of contracts
1997	88,829.8	9,324.5	4,629.4	102,783.7	1,531
1998	47,803.8	7,620.4	4,172.5	59,915.7	1,021
1999	55,776.0	5,124.8	3,156.0	64,782.0	925
2000	26,583.2	0	2,456.8	29,040.0	501
2001	20,629.0	3,997.0	3,281.0	27,997.0	483
Total	239,621.8	26,066.7	17,695.7	283,384.2	4,461
%	84.6%	9.2%	6.2%		

Total forest area 2 million Ha

FINANCING FROM NATIONAL BUDGET (in Millions of colones)

Year	Assigned Budget		TOTAL
	CAF	PESP	
1997	€ 1,789.0	0.0	€ 1,789.0
1998	€ 2,381.0	€ 1,269.0	€ 3,650.0
1999	€ 1,590.0	€ 2,406.0	€ 3,996.0
2000	€ 1,373.3	€ 2,098.3	€ 3,471.6
2001	€ 1,251.0	€ 2,345.2	€ 3,596.2
2002	€ 1,243.0	€ 3,066.9	€ 4,309.9
TOTAL	€ 9,627.3	€ 11,185.4	€ 20,812.7

\$1 US = 360 colones

SOURCES OF FUNDING VOLUNTARY AGREEMENTS

Firm	Watershed	Watershed Area	Contract Area	Amount (US\$)
Energía Global	Río Volcán Río San Fernando	5,870	4,311	53,340
Hidroeléctrica Platanar*	Río Platanar	3,129	-	-
Compañía Nacional de Fuerza y Luz	Río Aranjuez Río Balsa Lago Cote	9,515 18,926 1,259	5,000 6,000 900	5,188,400
Florida Ice & Farm	Río Segundo	3,870	1,000	272,727
TOTAL		42,569	18,611	5,514,467
GEF	MBC	-----	-----	5,000,000 3,000,000
KFW*	ZONA HUETAR NORTE	-----	-----	10,000,000