



INAFORESTA

Eduardo
Somarriba



Solutions for environment and development
Soluciones para el ambiente y desarrollo

Mesoamerican
Agroenvironmental
Program



AGRICULTURAL RESEARCH
FOR DEVELOPMENT



agroforestry systems
with perennial crops



INAFORESTA

INAFORESTA

A scientific, international, open, voluntary group devoted to the analysis and improvement of the relationships between people, cocoa, trees, forests and the environment

INAFORESTA aims to

- Analyse, synthesize, disseminate and advance science and technology on (relationships cocoa, trees, forests and the environment)
- Advise industry, governments, donors and policy makers on cocoa agroforestry issues
- Promote collaboration among cocoa agroforesters (individuals and institutions) and to facilitate the development of joint R&D Projects and other ventures

History

- The original ideas, 2005
 - CATIE (Eduardo Somarriba), Mars Inc. (Howard Shapiro), IITA (Stephan Weise), ICRAF (Tony Simons), COPAL (Sona Ebai) and WCF (Bill Guyton)
- 1st meeting, 2006
 - 15th International Cocoa Research Conference (COPAL), Costa Rica
 - CIRAD joined INAFORESTA
- 2nd meeting, 2007
 - IUFRO 2nd multistrata agroforestry symposium, CATIE, Costa Rica
- 3rd meeting
 - 16th COPAL international cocoa research conference Bali, Indonesia, 2009
- 4th meeting
 - 17th COPAL International Cocoa Research Conference, Yaoundé, Cameroon, 2012

INAFORESTA products

- Web page (English and Spanish)
- Bibliographic database
- ShadeMotion software
- Scientific meetings to share knowledge, ideas, new projects



INAFORESTA



Espanol

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Releases

The INAFORESTA meeting will take place on October 21 and 22, 2012 immediately after the 17th International Cocoa Research Conference (ICRC), at the Hilton Hotel, Yaoundé, Cameroon.

Researchers in cocoa-based agroforestry will meet in a two-days symposium dedicated to review the state of the art and prospectus on: 1) climate change;



Virtual Bookstore

INAFORESTA Symposium

Written by Eyleen Angulo

Tuesday, 05 June 2012

In the scope of the 17th International Cocoa Research Conference

INAFORESTA, an international scientific group dedicated to the analysis and improvement of the relationships between cocoa cultivation, trees, people, forests and the environment, announces its forthcoming meeting "Cacao Agroforestry: Sustainability and Environment". The INAFORESTA meeting will take place on October 21st and 22nd of 2012, immediately after the 17th International Cocoa Research Conference (ICRC), organized by COPAL (www.copal.org), at the Hilton Hotel, Yaoundé, Cameroon. The INFORESTA symposium is supported by CATIE, CIRAD, Mars Inc., the COPAL, the WCF and the Cameroon and Central American PCP partnership platforms.

INAFORESTA scientists will meet in a two-day symposium dedicated to share the latest investigations focused on cacao-based Agroforestry related to (1) climate change, (2) sustainable cocoa supply, (3) the inputs of cocoa Agroforestry in marginal areas and (4) the ecological services provided by cocoa-based Agroforestry systems.

Please submit your abstract at www.catie.ac.cr/pcc_inaforesta (Deadline 31st of July 2012).

A selection of the best presentations will be published as a special issue of a peer review scientific journal.

More information at: www.catie.ac.cr/pcc_inaforesta

Polls

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- Excellent
 Very Good
 Good
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Magazine Agroforestry



INAFORESTA bibliographic database

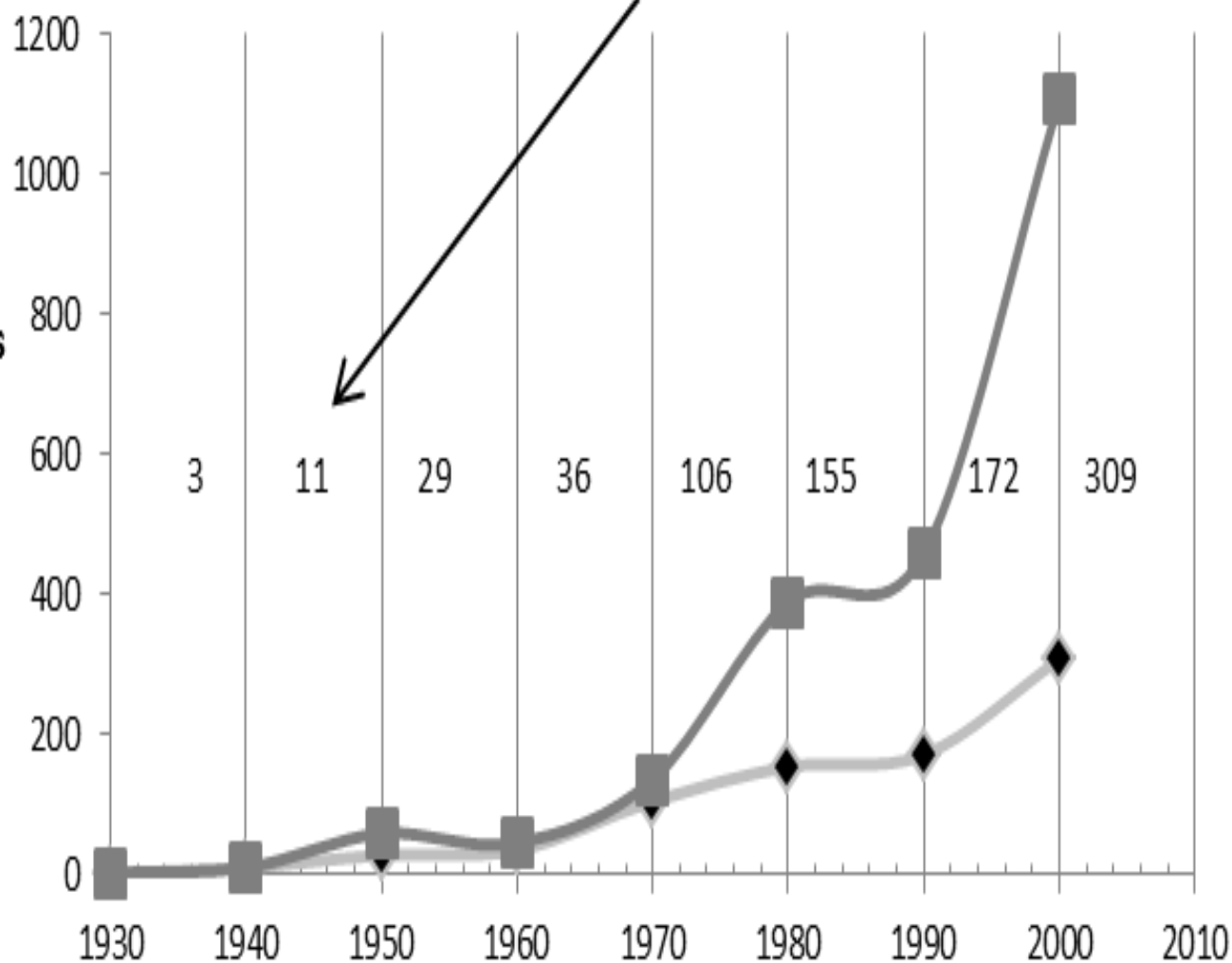
To compile existing literature on the relationships between cocoa, trees, forests and the environment, into one internet-accessible database from which users can search and download articles and other printed material



- 1000+ publications now included in database
- Specialized thesaurus developed to efficiently search and retrieve information from the database

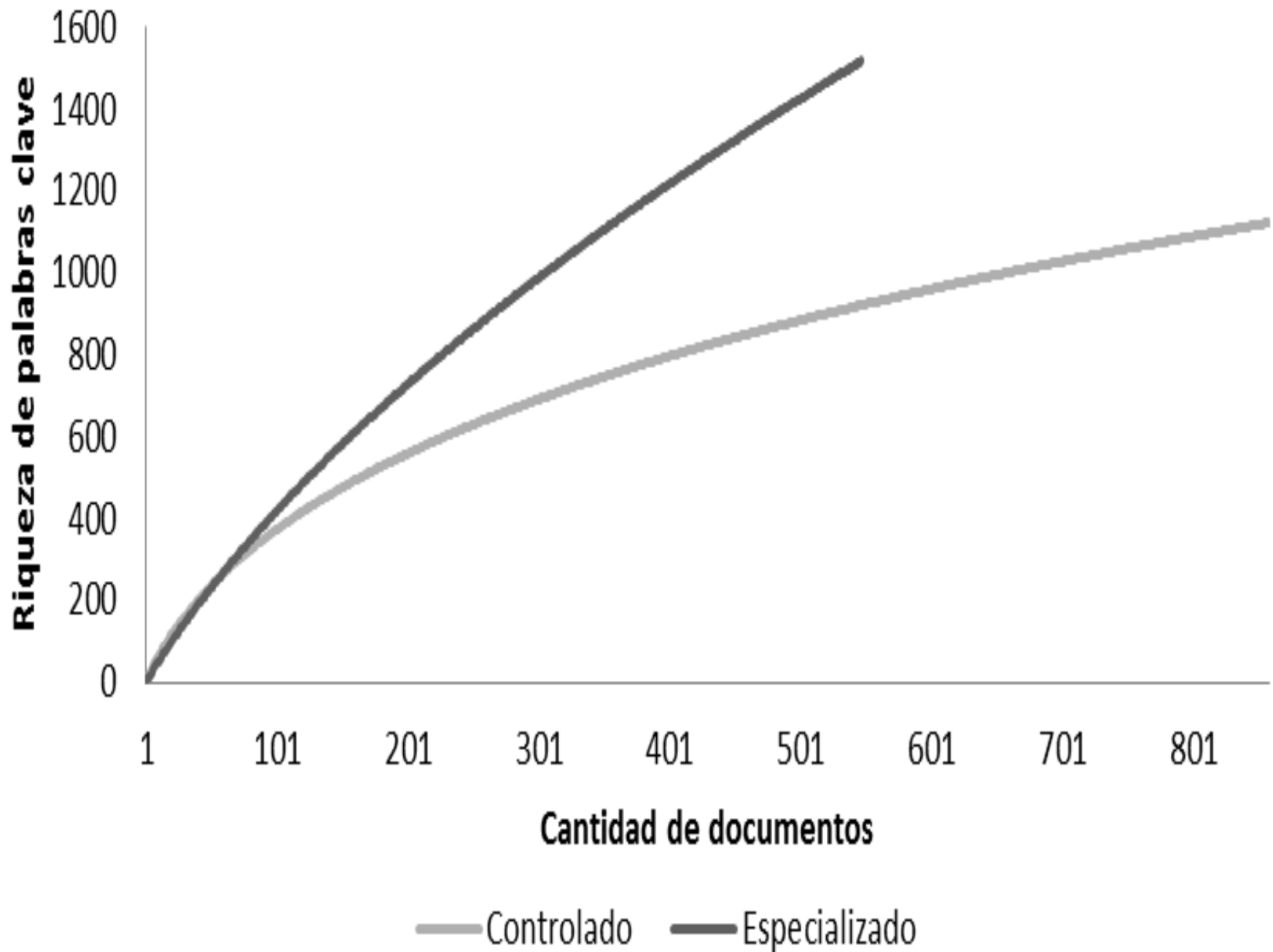
Cantidad de documentos / década

Cantidad palabras clave especializadas



◆ Q documentos

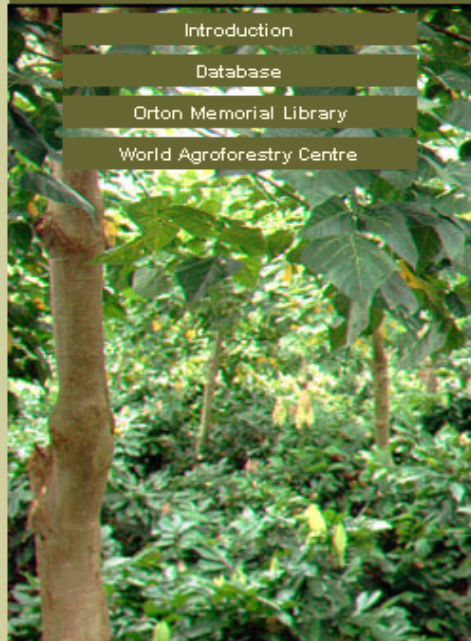
■ Q palabras



INAFORESTA - Latin America -

Bibliographical Information Center about Cocoa, Trees, Forests and Environment

Español



Database

The Latin America chapter of the bibliographical database INAFORESTA, has (September 2006) 283 references about the use of timber trees, fruit trees, bananas, plantain trees and other plants in the cocoa plantations, the effects of the shadows and other elements of the microclimate on the productivity, pests and diseases of the cocoa, the plants of cocoa, microclimate, environmental impact and other subjects. The bibliography is handled with WebAgris, a platform developed by the FAO and used around the world. In the following template, the INAFORESTA users can locate documents according to author, title, date and keywords, in simple form or with more elaborated patterns, using logic operators (and, or, not). All records can be seen clicking in "View all".

Search:	<input type="text"/>	Search	New
Format:	Without Summary ▾	View all	
Quantity:	50 ▾	Ascendent order:	<input type="checkbox"/>
		Full Text:	<input type="checkbox"/>

Keywords:

[¿How to make a search?](#)





Autor : Ramírez, O.A.; Somarriba, E.; Ludewigs, T.; Ferreira, P.
Título : Financial returns, stability and risk of cacao-plantain-timber agroforestry systems in Costa Rica.
Serie : **Agroforestry Systems (Países Bajos)**. 2001. v. 51(2) p. 141-154.
Idioma : En.
Notas : 5 ilus. 5 tab. 19 ref..
Descriptorios_Es: THEOBROMA CACAO; CORDIA ALLIODORA; MUSA (PLATANOS); AGROFORESTERIA; MONOCULTIVO; RIESGO; ANALISIS ECONOMICO; PRECIOS; MODELOS DE SIMULACION; AMERICA CENTRAL
Descriptorios_In: THEOBROMA CACAO; CORDIA ALLIODORA; MUSA (PLANTAINS); AGROFORESTRY; MONOCULTURE; RISK; ECONOMIC ANALYSIS; PRICES; SIMULATION MODELS; CENTRAL AMERICA
Descriptorios_Fr: THEOBROMA CACAO; CORDIA ALLIODORA; MUSA (PLANTAINS); AGROFORESTERIE; MONOCULTURE; RISQUE; ANALYSE ECONOMIQUE; PRIX; MODELE DE SIMULATION; AMERIQUE CENTRALE

Autor : Muñoz, F.; Beer, J.
Título : Fine root dynamics of shaded cacao plantations in Costa Rica.
Serie : **Agroforestry Systems (Países Bajos)**. 2001. v. 51(2) p. 119-130.
Idioma : En.
Notas : 6 ilus. 3 tab. 27 ref..
Descriptorios_Es: PLANTAS DE SOMBRA; CORDIA ALLIODORA; ERYTHRINA POEPPIGIANA; THEOBROMA CACAO; RAICES; NUTRIENTES; CICLO BIOGEOQUIMICO; MATERIAL ORGANICO DE COBERTURA; SOMBRA; PLANTAS DE SOMBRA; BIOMASA; PRODUCTIVIDAD; AGROFORESTERIA; COSTA RICA
Descriptorios_In: SHADE PLANTS; CORDIA ALLIODORA; ERYTHRINA POEPPIGIANA; THEOBROMA CACAO; ROOTS; NUTRIENTS; CYCLING; MULCHES; SHADE; SHADE PLANTS; BIOMASS; PRODUCTIVITY; AGROFORESTRY; COSTA RICA
Descriptorios_Fr: PLANTE D'OMBRAGE; CORDIA ALLIODORA; ERYTHRINA POEPPIGIANA; THEOBROMA CACAO; RACINE; SUBSTANCE NUTRITIVE; CYCLE BIOGEOCHIMIQUE; MULCH; OMBRE; PLANTE D'OMBRAGE; BIOMASSE; PRODUCTIVITE; AGROFORESTERIE; COSTA RICA

You can download full text articles...the ones we have copyright of...



EL PROYECTO CONSERVACIÓN DE BIODIVERSIDAD Y PRODUCCIÓN SOSTENIBLE EN PEQUEÑAS FINCAS INDÍGENAS DE CACAO ORGÁNICO EN EL CORREDOR BIOLÓGICO TALAMANCA-CARIBE, COSTA RICA

Eduardo Somarriba, Marilyn Villalobos, Jorge González, Celia Harvey

1. Introducción

Diversos grupos indígenas viven en las zonas remotas de Centroamérica, muchas de las cuales sirven de amortiguamiento a áreas protegidas de interés nacional e internacional. El cacao, un cultivo tradicional y de valor económico y cultural para los indígenas, es una de las pocas alternativas viables para obtener dinero en efectivo en zonas remotas. El cacao se cultiva mayormente bajo un dosel de sombra, que de diseñarse y manejarse adecuadamente, permite mejorar la producción sostenible del cacaotal y favorece la conservación de la biodiversidad (alimento, hábitat y corredores para fauna y flora útil o de valor ecológico).

2. Principales actividades del Proyecto

- Elaborar planes de manejo agroforestal y ecológico para 300 fincas cacaoteras
- Rehabilitación agroforestal y ecológica de 300 fincas cacaoteras
- Viveros comunales y familiares para propagar clones mejorados de cacao, maderables, frutales y especies nativas de uso múltiple
- Monitoreo participativo de la biodiversidad (mamíferos, aves, escarabajos, roedores y murciélagos) en 60 fincas y varios hábitats (bosque, dos tipos de cacaotales con sombra, bananales con sombra y platanales sin sombra)
- Mejoramiento de la estrategia de mercadeo del cacao

Current and Future Directions

- Increase number of publications
 - Please send us references and documents you want to include in this database
- Locate, obtain and include valuable “grey literature” such as technical reports and articles in regional and national journals
- Publish paper on the construction of the specialized vocabulary and thesaurus
- Analyze the knowledge contained in the bibliographic database

🔍

👤 Público

📄 Visión general

▶ Datos demográficos

▶ Comportamiento

▶ Tecnología

▶ Móvil

▶ Personalizado

▶ Flujo de visitantes

📊 Publicidad

➔ Fuentes de tráfico

📄 Contenido

📄 Conversiones

Ayuda

Informe Información de visitantes

Comparación de métricas

Uso de la tabla interactiva

Controles de informes habituales

Localice sus informes anteriores en la nueva interfaz

Centro de asistencia

🔍 Buscar en el Centro de ayuda

Información de visitantes

01/01/2009 - 11/10/2012

Segmentos avanzados | Correo electrónico | Exportar ▶ | Añadir al panel | Acceso directo 🔗

📊 % de visitas: 100,00%

Visión general

Visitas - frente a Selecione una métrica

Cada hora | **Día** | Semana | Mes

● **Visitas**

200

100

enero 2009 enero 2010 enero 2011 enero 2012

10.900 usuarios han visitado este sitio.

- Visitas: 17.642**
- Visitantes exclusivos: 10.900**
- Páginas vistas: 37.609**
- Páginas / Visita: 2,13**
- Duración media de la visita: 00:02:16**
- Porcentaje de rebote: 69,99%**
- Porcentaje de visitas nuevas: 61,51%**

- **61,55% New Visitor**
10.855 Visitas
- **38,44% Returning Visitor**
6.782 Visitas
- **0,01% Otras**
1 Visitas

Visitas 17.642 <small>% del total: 100,00% (17.642)</small>	Páginas / Visita 2,13 <small>Promedio del sitio: 2,13 (0,00%)</small>	Duración media de la visita 00:02:16 <small>Promedio del sitio: 00:02:16 (0,00%)</small>	Porcentaje de visitas nuevas 61,51% <small>Promedio del sitio: 61,51% (0,00%)</small>	Porcentaje de rebote 69,99% <small>Promedio del sitio: 69,99% (0,00%)</small>
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Dimensión primaria: País/territorio [Ciudad](#) [Continente](#) [Regiones del continente](#)

Dimensión secundaria ▾

avanzado

Pais/territorio	Visitas	↓ Páginas / Visita	Duración media de la visita	Porcentaje de visitas nuevas	Porcentaje de rebote
1. Costa Rica	3.418	3,78	00:04:16	32,56%	51,02%
2. Colombia	2.454	1,62	00:01:32	65,85%	76,89%
3. Mexico	2.040	1,67	00:01:19	67,89%	77,06%
4. Peru	1.252	1,63	00:01:33	75,72%	75,64%
5. Ecuador	1.112	1,74	00:01:28	69,42%	72,39%
6. Venezuela	771	1,54	00:01:33	69,65%	75,62%
7. Germany	597	1,43	00:01:20	14,24%	83,75%
8. Guatemala	577	2,31	00:01:36	78,34%	64,82%
9. Bolivia	544	1,58	00:01:28	74,26%	77,39%
10. United States	521	2,12	00:09:18	76,78%	69,67%

Mostrar filas: ▾ Ir a: 1 - 10 de 120

Este informe se creó el 12/10/12 a las 07:49:24. - [Actualizar informe](#)

Centro de asistencia

Buscar en el Centro de asis

Visitas	Páginas / Visita	Duración media de la visita	Porcentaje de visitas nuevas	Porcentaje de rebote
17.642	2,13	00:02:16	61,51%	69,99%
% del total: 100,00% (17.642)	Promedio del sitio: 2,13 (0,00%)	Promedio del sitio: 00:02:16 (0,00%)	Promedio del sitio: 61,51% (0,00%)	Promedio del sitio: 69,99% (0,00%)

Dimensión primaria: País/territorio Ciudad Continente Regiones del continente

Dimensión secundaria ▾

avanzado

Continente	Visitas ↓	Páginas / Visita	Duración media de la visita	Porcentaje de visitas nuevas	Porcentaje de rebote
1. Américas	15.534	2,20	00:02:23	61,70%	68,84%
2. Europe	1.554	1,66	00:01:22	53,02%	78,25%
3. Africa	257	1,70	00:01:52	80,93%	76,26%
4. Asia	216	1,43	00:00:58	91,20%	83,33%
5. (not set)	52	1,29	00:00:40	50,00%	78,85%
6. Oceania	28	1,82	00:00:43	71,43%	75,00%

Mostrar filas: ▾ Ir a: 1 - 6 de 6

Este informe se creó el 12/10/12 a las 07:55:19. - [Actualizar informe](#)



- [¿What is ShadeMotion?](#)
- [Tutorial](#)
- [Download ShadeMotion](#)
- [ShadeMotion for ArcGis](#)
- [Contact us](#)

ShadeMotion

Shademotion

Important: The new version of ShadeMotion (ShadeMotion 3.0) is available only in Spanish at this moment. An English version will be available soon.

Version 3.0 has some interesting new features like:

- Annual tree growth can be accounted for
- It is possible to open two or more simulations (in order to make comparisons)
- It is possible to see results after imposing some conditions or filters
- More types of results available
- More crown types available
- Trees can be grouped by classes or species
- The user can choose the orientation of coordinate axis
- Among other things...

What is ShadeMotion?

ShadeMotion is a software that calculates the position and shape of shades projected onto the ground by the crowns of trees planted on flat, horizontal or tilted plots in any location on Earth and at different dates and times. Shademotion's main purpose is to answer questions such as:

How many hours of shade are accumulated at each point of a plot where trees are planted, during a certain period of time?



Free access and downloads

<http://biblioteca.catie.ac.cr/inaforesta>

www.shademotion.com



Thank you