# Availability, Accessibility, and Applicability of Research Results of the CGIAR Centers

Edith Hesse, Peter Ballantyne, Mariano Mejía

XV Inter-American Meeting of Librarians and Specialists in Agricultural Information (RIBDA)

Lima, Peru, October 27-29, 2009

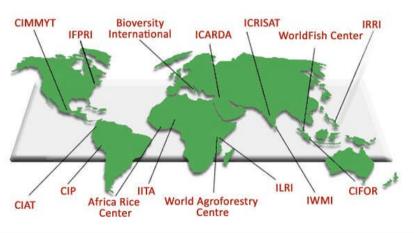








## Who are we? Consultative Group on International Agricultural Research — CGIAR



- 15 international centers
  - \*8,500 researchers and technicians
  - •185 regional offices in >100 countries
  - •75,000 researchers from developing countries trained
- 64 members
  - •25 developed countries
  - •22 developing countries
  - •12 international and regional organizations
  - •5 foundations

## Who are we? International Center for Tropical Agriculture (CIAT)

Headquarters: Cali, Colombia



Regional offices in Kampala, Uganda, and in Vientiane, Laos
Offices in 10 other countries



Human capital:

700 researchers/technicians 120 international staff 11,000 researchers trained since 1967 (90% from Latin America)



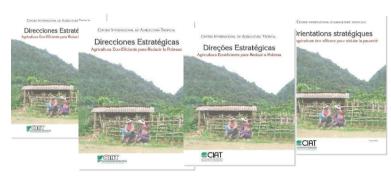
#### **CGIAR Change Process**



More information about the CGIAR change process in:

www.cgiar.org/changemanagement/index.html

#### **New Strategic Directions for CIAT**



Repositioning CIAT in Latin America and the Caribbean

 $www.ciat.cgiar.org/strategic\_planning\_ciat/pdf/ciat\_strategic\_directions\_feb09.pdf$ 



#### Foragro applauds new role of CIAT in Latin America

Mario Allegri, president of the Forum for the Americas on Agricultural Research and Technology Development (Foragro), described the repositioning of CIAT in Latin America and the Caribbean as an excellent opportunity to complement the region's potentialities of agricultural research. "The renewed role of CIAT was analyzed by a panel in 2008, at the Montevideo meeting, with highly positive results," said Allegri, who was at CIAT headquarters from 19 to 20 October to participate in the Regional Consultation on Agricultural Research for Development for LACan event that gathered more than 70 experts from all over the continent.

The celebration of this historical meeting at CIAT was part of the Center's strategy to reposition itself in the region and served to strengthen ties with representatives of institutions and organizations that see the Center as a valuable partner.

"The region harbors specialized human capital, good infrastructure in many countries, solid institutions, and experienced subregional mechanisms; however, consensus must be urgently sought regarding common agendas with a shared vision", said Allegri. "And it is here where we see the aperture of CIAT as an excellent opportunity to complement its capacities with those available in the region."



## **Regional Consultation in** Latin America and the Caribbean CIAT, 19-20 October

Historical meeting — Repositioning CIAT in the region

www.ciat.cgiar.org/foragro 09/index.htm



















WEDNESDAY, MAY 20, 2009

Science for Impact - Extending the Accessibility of CIAT Research



Ruben Echeverria shares some perspectives on an agenda for CIAT ...

On the first day of this KSW, some 50 staff members joined a session organized with

the support of the ICT-KM program to discuss the availability and accessibility of CIAT's research outputs [see presentations].

At the end of the session, I asked the session organizers to come up with some concrete actions that CIAT could consider implementing. I'm pleased to share some of the promising ideas that emerged:

In the very short term, I would like to see us consolidate available knowledge information and data in CIAT, investing in these, and perhaps other, actions to maximize the accessibility of our work.

What might this include?

#### ECS-EFFICIENT AGRICULTURE FOR THE POOR

Welcome to the CIAT blog! Here we bring you the latest news and discussions on CIATs pioneering work to end hunger in the tropics.

CLAT IN PICTURES



RECENT CIAT POSTS

The age of cassava?
CoCoon meeting concludes

Clinton glimpses bean varieties Vice Minister supports CoCoon

initiative at CIAT

End of the road for Engla

http://ciatlibrary.blogspot.com/2009/05/science-for-impact-extending

#### **Science for Impact**

"Extending the accessibility of CIAT research"

Dr. Ruben Echeverría, Director General of CIAT

- Collaboration with ICT-KM Program and CIARD
- The "Triple A" concept
  - Availability
  - Accessibility
  - Applicability
- Background
  - •1970s
  - •1980s
  - •1990s
- Articles in peer-reviewed journals
- Quality vs. accessibility

## **Study Methodology Determine:** Availability (citation/presence)

- Accessibility (full text online)
- Initial compilation with five CGIAR centers
- Bioversity International
  - •CIAT
  - •CIP
  - World Agroforestry Centre
  - •WorldFish
  - •Publications reported to the CGIAR Science Council
  - in 2006 Searches in libraries and in publication catalogs, Centers'

Compile the Center's research outputs Research outputs: peer-reviewed from its 2006 Performance Report to the articles, other journal articles, **CGIAR Science Council** book chapters, own reports Determine the availability of the citations Center's publications catalog or website, at the Center internal repositories, Google Determine the accessibility of full text in AGORA, AGRIS, CAB Abstracts, external services Google Scholar, Center's website **Document new initiatives of** the Center Feedback from Communications Unit/Library Analysis websites, Google, CGVlibrary, Agris, Agora, and others Where the Center is in terms of Present findings to availability and accessibility and ways Center to improve both aspects

## **Preliminary results of five Centers**

#### **Articles in peer-reviewed journals**

### Centers' own books/publications

<b>Availability</b> (% citation/pres	ence)	Availability (% citation/presence)	
Library catalogs	76	Library catalogs	92
Centers' websites	75	Centers' websites	99
Google	78	CGVlibrary	94
		Centers' publications catalog	65
		Centers' archives	31
Accessibility (% full text onlin	e)	Accessibility (% full text online)	
Centers' archives	59	Centers' archives	21
Centers' websites	28	Centers' websites	72
Unrestricted web	35	Unrestricted web	77
Agora	59	Google Scholar	40
Agora	39	Agris	32
		Google Books	11

## **Preliminary results of CIAT**

#### **Articles in peer-reviewed journals**

#### CIAT's own books/publications

e)	Availability (% citation/presence)		
100	Library catalog	88	
88	CIAT website	98	
32	Google		
	Accessibility (% full text online)		
49	CIAT library repository	51	
50	CIAT website	56	
	Unrestricted web	51	
31			
55			
	88 32 49 50 31	Library catalog  REAL CHAIN RESIDENT CATALOG  CIAT Website  Google  Accessibility (% full text online)  CIAT library repository  CIAT website  Unrestricted web	

#### **Some Conclusions**

#### Articles in peer-reviewed journals

#### Availability, high in:

Library catalogs

Centers' archives

Centers' websites

#### Accessibility, high in:

Web general

Google Scholar

#### Accessibility, low in:

Centers' websites

Centers' publications catalogs

Web general

#### Center's own books/publications

#### Availability, high in:

Library catalogs/CGVLibrary

Centers' websites

Centers' publications catalogs

#### Accessibility, high in:

Web general

Google general search

Centers' websites

#### Accessibility, low in:

Google Scholar

Agris

Google Books

### Some strategies

#### **Articles in peer-reviewed journals**

- Open access journals
- Self-archiving permissions (posting post-print on websites)
- Open access fee option ("Open Choice")
- Negotiation of better copyright transfer agreements with publishers (at three levels: CGIAR, Center, and/or researcher)

#### Center's own books/publications

- Clear rules regarding co-publications
- Arrangements to use "Creative Commons"

## **Open access journals**

Directory of Open Access Journals
DOAJ
www.doaj.org/







Find Journals	Welcome to the Directory of Open Access Journals. This service covers free, full text, quality controlled scientific and scholarly journals. We aim to cover all
New titles	subjects and languages. There are now 4366 journals in the directory. Currently
Find articles	1666 journals are searchable at article level. As of today 316102 articles are included in the DOAJ service.
Suggest a journal	medded in the BOAD Service.
About	Support the development and operation of DOAJ. Sign up for membership - go to the membership page. We are very thankful for the support from those of you who have already decided to become DOAJ members. See the list of members
FAQ	
News	Find journals
Links	Browse by title
Sponsors	A B C D E E G H I J K L M N Q P Q R S I U V W X Y Z
Long term archiving	Browse by subject
Membership	Expand Subject Tree
Feedback	Expand Subject free
For journal owners	Agriculture and Food Sciences     Languages and Literatures
For authors	Arts and Architecture     Biology and Life Sciences     Business and Statistics     Publication of Science

## Open access journals

Over 500 open access journals on CIAT's website (T=listed in ISI/Thomson)

www.ciat.cgiar.org/biblioteca/electronic\_journals.htm

#### Ciencia y Tecnología

Titulo	Acceso en CIAT	Acceso Gratuito	Revistas Impresas
BMC Informatics			
Bioscience			
Bragantia			
Brazilian Journal of Chemical Engineering			
Brazilian Journal of Medical and Biological Research			
Brazilian Journal of Physics			
Ciência e Agrotecnología		т	
Current Science		т	
E-Jist: E-Journal on Instructional Science and Technology			
Energia y Computación			
First Monday			
Geo Tropico			
Geo World			
Hydrobiologia			
I4D			
Journal of Artificial Societies and Social Simulation			
Journal of Productivity Analysis			
Memorias do Instituto Oswaldo Cruz			
Nature			
Quimica Nova			
Rev. Brasileira de Geofísica			
Rev. da Soc. Brasileira de Medicina Tropical			
Rev. do Instituto de Medicina Tropical de Sao Paulo			
Science			
Scientific American			
World Rev. of Sci., Tech. and Sustainable Develop. (WRSTSD)			



### Open access through self-archiving

Over 50% of publishers allow self-archiving of galley proofs on authors' and/or institution websites.

#### The following conditions usually apply:

- The article has already been published in its final version.
- The copyright of the journal is acknowledged by providing a link to the final published version in the journal.
- Self-archiving is permitted on non-commercial servers only.

#### Self-archiving permission status for articles published by CIAT researchers 1Jan-30Sep09

Publishers Self-archiving permissions		# Journals	Conditions
Elsevier	yes	5	
Springer	yes	8	
Taylor&Francis	yes	1	12 months embargo for STM journals; 18 months for SCH journals
Cambridge University Press	yes	2	6-12 months embargo may apply
Blackwell Publishing	yes	2	
BioMed Central	yes	1	
National Academy of Sciences	yes	1	
5 American Societies	no	5	
2 Publishers - unclear	n.d	2	

For further information see www.sherpa.ac.uk/romeo/.

#### Institutional policy for depositing CIAT's scientific and technical publications

Researchers must be re-educated to deposit not only the final article but also send their galley proofs to the library.

In 2009, as part of their performance evaluation, CIAT researchers will submit a form (see the next two slides) with all publications produced during the calendar year, indicating their depository status in CIAT's library repository (including galley proofs), as well as payments for "Open Choice".

Publications to be deposited in CIAT's Library Repository			
Articles in refereed and non-refereed journals	Papers presented at conferences (posters and PowerPoint presentations)		
Articles in technical bulletins	Annual program reports		
Book chapters	Final project reports		
Books published by CIAT programs	Theses supervised or written by CIAT staff		
Working documents published by CIAT programs	Tools, methods, or procedures on CDs or DVDs		
Papers published in conference proceedings			

#### CIAT Performance Appraisal 2009 - Publications Record and Deposit Status

To ensure that CIAT research results become as accessible as possible to peers, partners, collaborators, and stakeholders, particularly in developing countries, all CIAT publications <u>must be sent in full text to the Head of CCC and/or the Library.</u>

- Journal Articles, Books, and Book Chapters: please provide full citations for all submitted, accepted, or published items during the calendar year 2009.
  - In case the item has been <u>accepted</u>, please indicate whether you have sent in the author's <u>manuscript</u> or galley proofs or post-print (PDF the first author receives after peer-review) and the copyright agreement.
  - In case the item has been <u>published</u>, please indicate whether you have sent in all of the following: the <u>manuscript</u>, the <u>print and/or electronic</u> copy, and the copyright agreement.
  - If your article has been published in an <u>open access journal</u>, or your book is openly accessible, please provide the link to the item together with the complete citation, as well as the copyright agreement and an indication whether an open access fee has been paid.

Journal Article, Book, Book Chapter	Status	If Accepted (A)			If Published	(P)	Open access fee paid <sup>1</sup>
Provide <u>complete citation</u> (author, year, title, journal name, volume, issue, page numbers; in case of books add publisher name and place)	S= Submitted A= Accepted P= Published	Manu- script <sup>2</sup> (galley proof) sent	Copyright agreement sent	Manu- Script <sup>1</sup> (galley proof) sent	Print and/or electronic copy <sup>1</sup> sent	Copyright agreement sent	Yes/No If yes, please indicate the amount in US\$
		Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	

#### CIAT Performance Appraisal 2009 - Publications Record and Deposit Status

Other publications: please list all types of papers you have published, such as manuals, guides, brochures, papers in conference proceedings,
working documents, etc. during the calendar year 2009. Power point presentations, theses of students you have supervised, as well as any CD or
DVD that <u>contain</u> methods, procedures, and/or databases should also be included.

Please provide all required bibliographic details and indicate whether a print and/or electronic copy has been submitted to the Head of CCC and/or the Library.

Other Publications	Print and/or electronic copy sent		
Provide complete citation	Yes/No		
( <u>depending</u> on the type of publications, please provide author name, year, title, name of			
event, place and date of event, etc.)			

### Other strategies

## Using different channels to disseminate research

- CIAT E-Newsletter Challenges and Innovations
- Social media (blogs, Slideshare, Flickr, Twitter, etc.)
- CIAT books now in Google Books
- CIAT's Library Repository soon to be harvested by external services
- Video clips and participatory videos
- Newspapers and television
- Translations (all CIAT corporate media products are produced in both English and Spanish, usually in slightly different versions to fit the different needs of English- and Spanish-speaking audiences). Some publications are produced in other languages, for example French, Portuguese, and Thai.

#### **Dissemination of research**

#### E-newsletter

Short articles that include links to <u>published articles</u> (if open access) or to <u>final manuscripts</u> (if not open access; always providing links to the final published version in the respective journal).

Library staff needs to be informed whether an Open Choice fee has been paid.



Eco-Efficient Agriculture for the Poor

## Challenges

<u>Innovations</u>

CIAT Home > Newsroom > All Issues > E-Newsletter No. 5

ISSN 2027-1238 E-Newsletter No. 5 October 2009

#### Scientists uncover "missing link" to sustainable agriculture



Scientists have solved a 30-year mystery that could radically reduce the amount of nitrogen fertilizer required by agriculture, helping to boost food production and reduce greenhouse gas emissions. The findings have been reported in the latest edition of the journal Proceedings of the National Academy of Sciences (PNAS).

The breakthrough centers on the discovery of brachialactone, a hitherto unknown chemical compound released from the roots of the tropical pasture grass *Brachiaria*. The compound has been shown to reduce

#### Download this issue

#### B 95 95 9

In this issue

Scientists uncover "missing link" to sustainable agriculture

CIAT's new structure will maximize impact

End of the road for "Enola" bean

Global Soil Map could transform agriculture





#### THURSDAY, AUGUST 10, 2008

Global Soil Map could transform agriculture An ambitious new project to digitally map soils all over the world could transform agriculture. An article in the journal Science, describes how the GlobalSoilMup.per (GSM) initiative could help tackle pressing problems such as food insecurity, climate change

The initiative follows the bunch of African Soil Information: Service (ARIX) earlier this year, which will use the latest satellite technology to produce high quality maps of Africa's soils in order to fine-tune farming practices. GIIM will use the Affilli methodology to produce similar maps for the whole world.



information to be made available free, coline.

and environmental degradation worldwide;

According to GSM, the project should produce "line-resolution, three-dimensional grid of the functional properties of soils." It aims to provide highly accurate soil information in real-time, as well as state-of-the-art analysis of soil properties. This can include factors such as soil water storage and carbon density, which can be crucial for farmers, scientists and policy-makers taking decisions about land-use. The project also calls for the

"Improved soil management for better crop productivity is crucial for providing food security - an intensifying challenge in the context of population growth, increasing numbers of hungry people, and the impacts of climate change on agriculture," said Pedro Sanchez, director of ASSIS and the Tropical Agriculture and Rural Development Program of The Earth Institute at Columbia

#### ROOTEFFICIENT ASSECUTATION FOR THE POOR

Welcome to the CLAT blog: Here we bring you the latest news and discussions on CIAT's picnocrins.



#### RECENT CLAY PORTS

Fair Trade coffee study causes a Unanimity to expoort COAFF Janus and Colombia share a four tiew Video - Cassaya, fuel of the The age of cassaval

RECENT COMMERCE

Combnae >= Cary Fowler wrote-Continue icim wrote

#### Dissemination of research

## **CIAT blogs**

(English & Spanish)

#### Examples:

- The Global Soil Map AfSIS (link to the article published in *Science*)
- Monthly Library exhibition of publications relating to relevant themes (including books, theses, reports, and others) Latest theme: Agriculture and Climate Change



#### WEDNESDAY, SEPTEMBER 9, 2009 Agriculture and Chmate Change

As of September, CIAT's Library is exhibiting books, thesis, reports and other documents on Storicolture and Climate Change? The ashibition includes climatic variations in agriculture. greenhouse effect, global environmental change, effect of climate change in cropproduction, carbon

sequestration, predictions of climate change, among others. Some of the publications are listed

- . The value of high quality geographic information on available genetic resources for adapting agriculture to elimate change, Jamin, Andrews Raminer, Julian Zanata. Emmanuel, poor.
- . The potential impacts of climate change on marre production in Africa and Latin America in cogg. Jones, Pater G.: Thornton, P.K. poon, https://pcep.val-peteork.org Mains production in Africald.A.ndf
- · Almacenamiento de carbono en ecosistemas terrrestres para mitigar el cambio climático global : Red de investigación para evaluar la capacidad de captura de carbono de sistemas de pasturas, agronastoriles y agrosilvopastoriles en sub-ecosistemas del bosque tropical de América ... Amérouita, Maria Gristina: Murgueitio R... Enrique: Cuartas, José Augusto: Gómer, Maria Elena, 2004.
- · Global environmental change and land use. Dolman, A.J.; Verharen, A.: Rovers, C.A. (eds.), 2009.
- · Climate change and agricultural vulnerability. Fischer, Otto Huar Shah, Mahandrar Van Valdhoisum, Harrii, 2000.

#### ECO-SPRICISHY AGRICULTURE FOR THE POOR

Welcome to the CIAT blog! Here we being you the latest news and discussions on CIAT's pionsering

CLAY OF PICTURES.



Jarviy quoted in The Guardian Everything is ready for regional

East Trade coffee study causes a

Unanimity to support COIAR

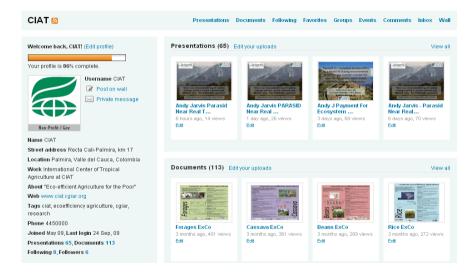
#### RECENT COMMENTS

Andy Janus wrote. Continue --

Cary Fowler wicks. arriero. Continue ==







#### **Dissemination of research**

#### **Slideshare**

PowerPoint presentations and posters

Visits from May to September 2009

Presentations 24,216Posters 36,402



Stideshow 🚍 Share This (



Foragro 2009 39 photos I Foll

> Agrosalud 18 photos | Edit

Bean Planting

28 photos I Felt





Pic by Neil Palmer (CIAT). Full captions to ① (ii) Anyone can see this photo (edit) 2 views (0 comments





Pic by Neil Palmer (CIAT). Full captions to

(1) (ii) Anyone can see this photo (edit) Unloaded on Oct 24, 2009 | Delete 3 views / 0 comments



Pic by Neil Palmer (CIAT). Full captions to

(1) (ii) Anyone can see this photo (edt)

1 view / 0 comments



(3 (3) Anyone can see this photo (edit) Uploaded on Oct 24, 2009 | Delete 1 view / 0 comments



39 photos | Edit

Bean Harvest

Doug Pachico

Poster Exhibit

15 photos I Edit

Retires

8 photos | Edit

21 photos | Edit

Agrosalud



28 photos | Edit



8 photos | Edit

**AGROEXPO** 

20 photos | Edit



pictures

Collet on

5 photos | Edit

Coffee

106 photos | Edit





Feria Agro del Pacifico 15 photos I Edit













14 photos I Fold



Flickr

Dissemination of research

**PhotoSharing** 

Visitsfrom May to October 2009

18 photos | Edit



Colombian coffee and climate... 27 photos | Edit

ExCo CIAT

10 photos I Edit

KSW09 - Day

6 photos | Edit

One

Tour





19 photos | Edit

XXXIV Fiesta

Nacional de











17 photos I Edit





Posters 6 photos I Edit

#### Dissemination of research results: Creating corporate image in Facebook and Twitter

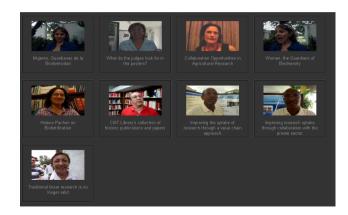






## Dissemination of research: Interviews with researchers on Blip.tv and YouTube VisitsMay-September 2009 1,256





The impact of science does not occur because of its quality and relevance alone.

Only when results can be accessed and used by those for whom they were intended, will innovation and impact occur.

Today we have the means and the will to make it happen.

#### Thanks!



Visit us and keep CIAT in mind as an ideal meeting place for your future events!