Open Access Essentials: How You Can Go Open Access with CIAT?

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Context

Simone Staiger-Rivas

Definition

Open Access means the immediate, irrevocable, unrestricted and free online access by any user worldwide to information products, and unrestricted re-use of content, subject to proper attribution.

Information products: Peer-reviewed journal articles; reports and other papers; books and book chapters; data and databases; data collection and analysis tools (e.g. models and survey tools); video, audio and images; computer software; web services (e.g. data portals, modeling on-line platforms); and metadata associated with the information products above.

Open Access Policy

CIAT will adopt the CGIAR OA policy (all 15 centers approved it)

- Information on OA for each information product

Encourage access, use and re-use through:

- Respect of legal rights of partners
- Availability on suitable repositories
- Interoperability
- Data storage and preservation
- Open licenses
- Incentives
- Translation
- Internet connectivity
- Data management Plans

5 Years to implement

Open Access Impacts Everyone

CIAT *Since 1967 / Science to cultivate change*
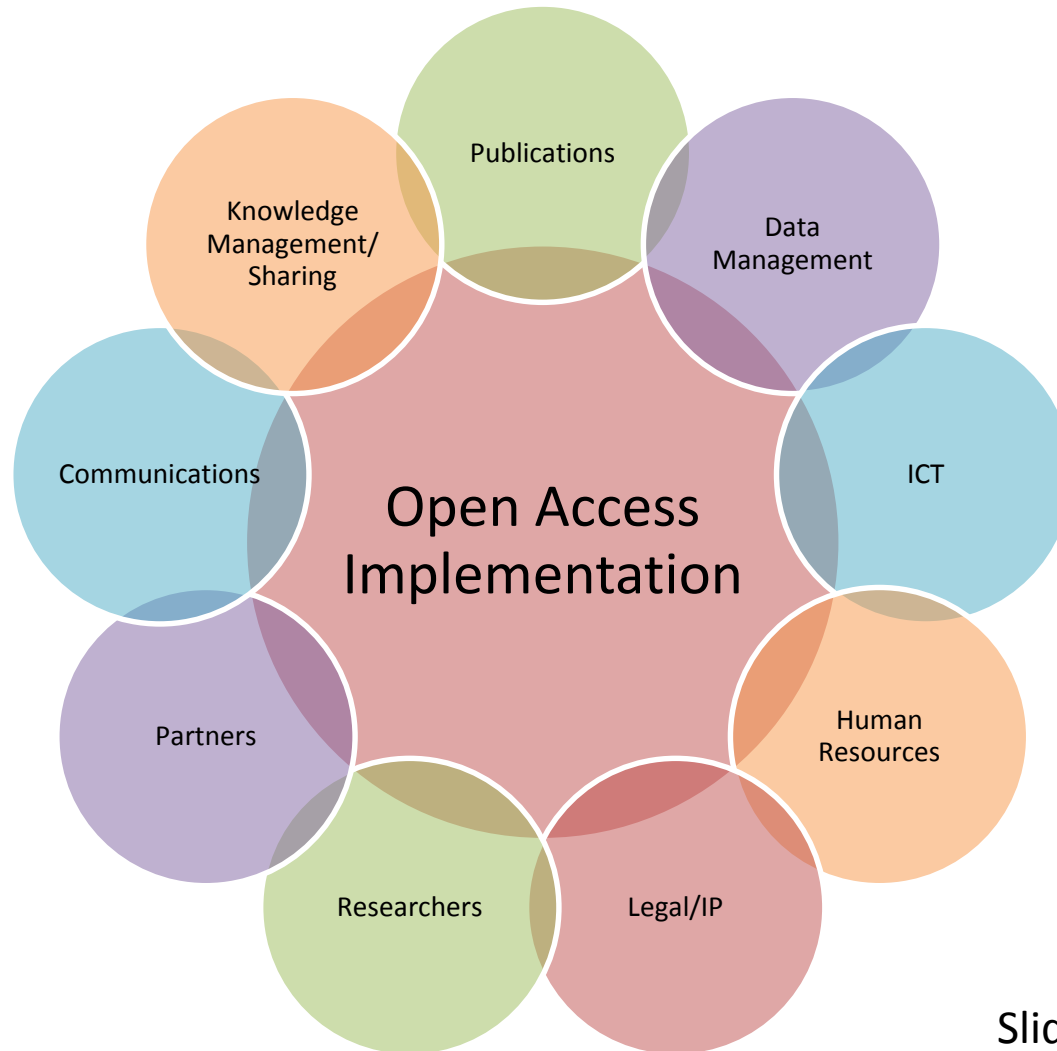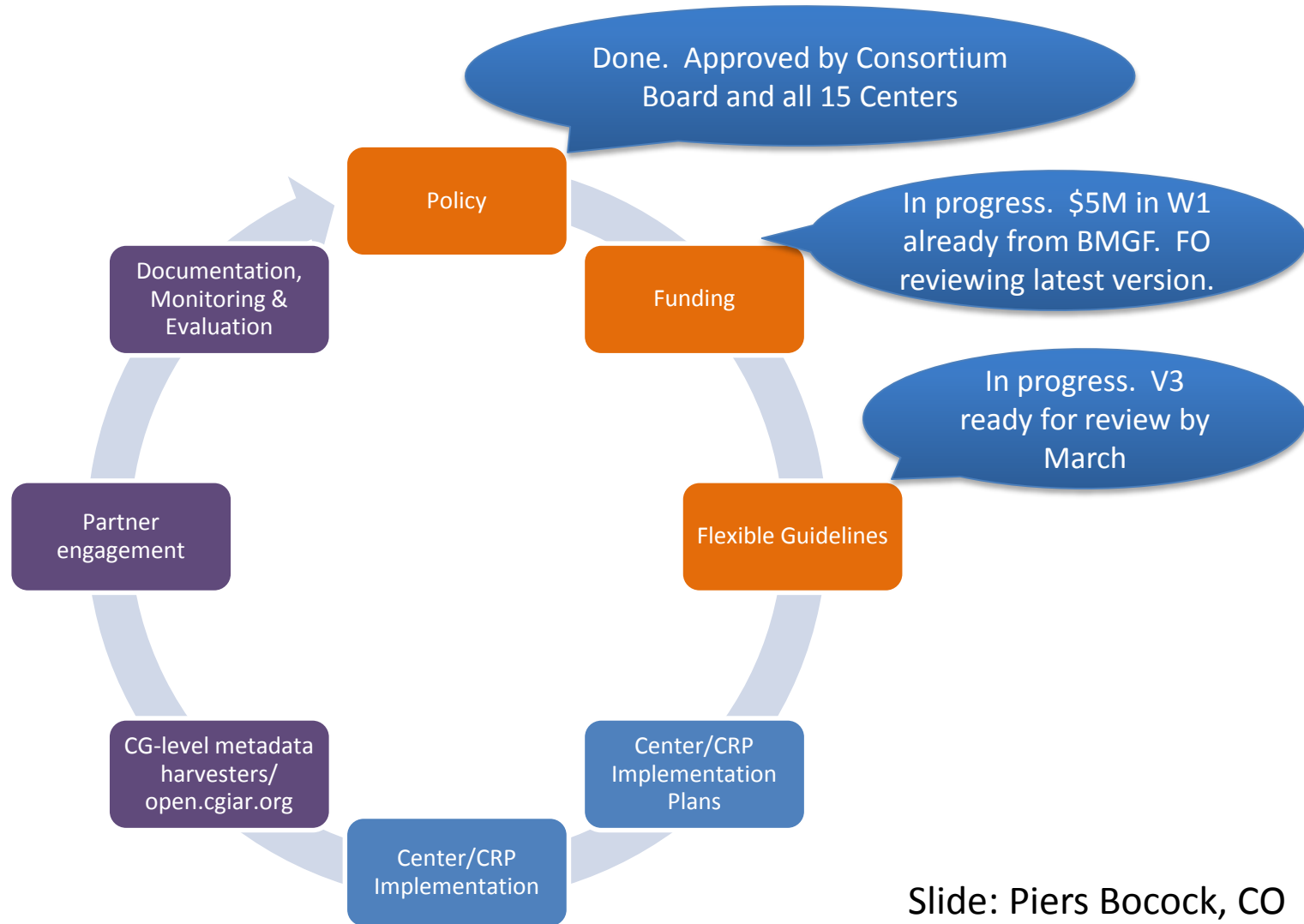
CIAT Information & Data Management

- Refocus of the Library

- Hire of an information & data manager

- Contributing and following CGIAR guidelines

- Decision making through committee (biophysical, bioinformatics, socio-economics, climatic data managers, IT, legal advisor, librarians)

- Data and information management strategy and plan

Key Components for OA Success

Done. Approved by Consortium Board and all 15 Centers

In progress. $5M in W1 already from BMGF. FO reviewing latest version.

In progress. V3 ready for review by March

Policy

Funding

Flexible Guidelines

Center/CRP Implementation Plans

Center/CRP Implementation

CG-level metadata harvesters/ open.cgiar.org

Partner engagement

Documentation, Monitoring & Evaluation

Slide: Piers Bocock, CO

Legal Perspective

Maria Virginia Jaramillo

Effective date: October 2, 2013

CGIAR IA PRINCIPLES

OPEN ACCESS

- Ownership = CIAT
- Authorship = Researcher

While information may be technically open, it also must be *legally* accessible.

- The policy applies to all information products produced by the CGIAR Consortium, its members and their partners within the scope of the Strategy and Results Framework ("SRF") and the CGIAR Research Programs ("CRPs").

- Requirement comes from Donors
  - International movement
  - Avoid duplications
  - Visible and accessible outputs

Practitioners Perspective

Liliana Gil

"The problem of data management is not that we don't know how to manage it, but the availability of the data" – A. Jarvis

"Only 20 % approx. of the centers data is available" – Joe Tohme

Institutional Repository for Data Publication
Socio-economic - Climate Data

Soils Diagnostic Trials Data

Crop's Evaluation Trial data

Platforms for data publication & Open Access implementation

Soils Profile Data LAC

GIS Data

Breeding/Phenotypic Data

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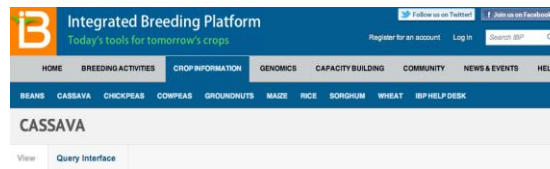
To Make Open Access Happen

One of the Challenges   ➡️   Well organized data

METADATA

⬇️

Standardize to enable Interoperability

EXCEL SHEETS

⬇️

Excel sheets that can be easily converted into a proper relational database

METADATA

CG Core metadata schema based on
Dublin Core

a widely-used metadata standard,
CGIAR´s will have a limited number of additional
elements specific to the CGIAR environment.

Data Management & Open Access Task Forces

METADATA

DATAVERSE	DUBLIN CORE
Title	Title
Authors	Creator/Author
Producer	Publisher
Center/Institution	Subject
Distributer	Contributor
Contact	Date
Description	Type of data
Time period cover	Format
Date of collection	Identifier
Type of data	Source
Geographic coverage	Coverage

What could be the minimum information about my datasets, to make it re-usable by others?

METADATA

* N2Africa Project. Data collection template Agronomy data

	A	B	C	D	E	F	G
1	**Part B: Information on the trial site**						
2							
3			**Specify if other**				
4	**Ownership of trial plot**	Family land					
5	**Who manages the plot?**	Both					
6	**Who decides on the use of the harvest?**	Both					
7							
8	**Perception of fertility of soil by farmer**	Moderate					
9	**The soil fertility in the N2Africa plot relative to own fields**	the same					
10							
11	**History of trial site**						
12		**Last season**	**Season before last season**				
13	**Main crop(s) grown at trial site**	Maize	Maize				
14	**Type of mineral fertilizers used**						
15	**Type of organic fertilizers used**						
16	**Type of inoculant used**						
17							
18	**Location of plot on the landscape**	Slope					
19							
20	**Soil drainage**	Moderate					
21	**Signs of soil erosion?**	Y					
22	**Presence of soil conservation structures?**	Y	**Specify other:**				
23	**If yes, which ones**	Bench terrace					
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							

A_General | B_Info_site | C_Use_of_package | D_Cropping_calender | E_Harvest | F_Farmer assessment

EXCEL Sheets

An Excel sheet <u>IS NOT</u> a database *per se*

SQL programing Language

Socio-economic example

Lessons Learnt

1. Organize your data from start

2. Data management of a project should be handled at a project level.

3. All the actors -PI, PhD, Msc students- on a research project are responsible for ensuring that research data is described by the appropriate metadata.

Lessons Learnt

4. IM curation is about making sense of data and information for a specific audience

Data **+** Story ➡ **CONTEXT**

⬇

Reusable data/information

What´s the Story?
How do we make sense?

Strategic tip: Plan ahead, agreed with the team for a logical archiving system and *STICK TO IT!!!*

Story – Context:

Data Metadata

Project Metadata
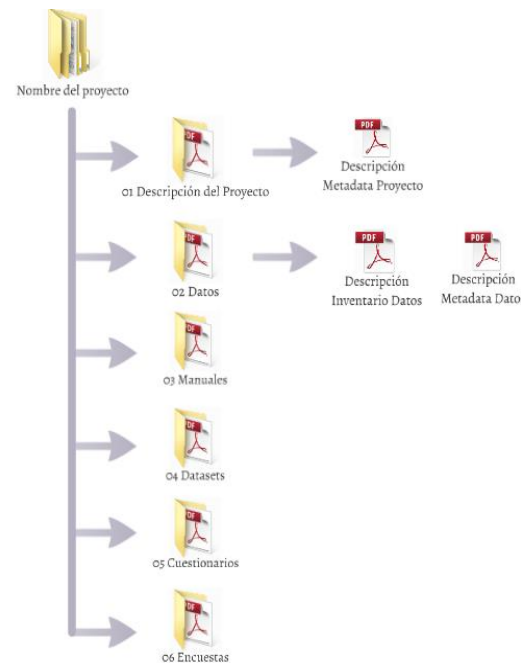
Lessons Learnt

5. CIAT's projects outcomes will be open access and part of CIAT's "institutional memory"

6. Data and information should be archived and organized by projects

https://soilssite.ciat.cgiar.org/default.aspx

DATAVERSE has an storage and archiving potential beyong data publication = facilitates Project METADATA for OA and IM *Note: this is the practitioner's personal impression*

http://thedata.harvard.edu/dvn/dv/CIAT

Information Management Perspective

Carlos Saa, Megan Zandstra

CIAT Library
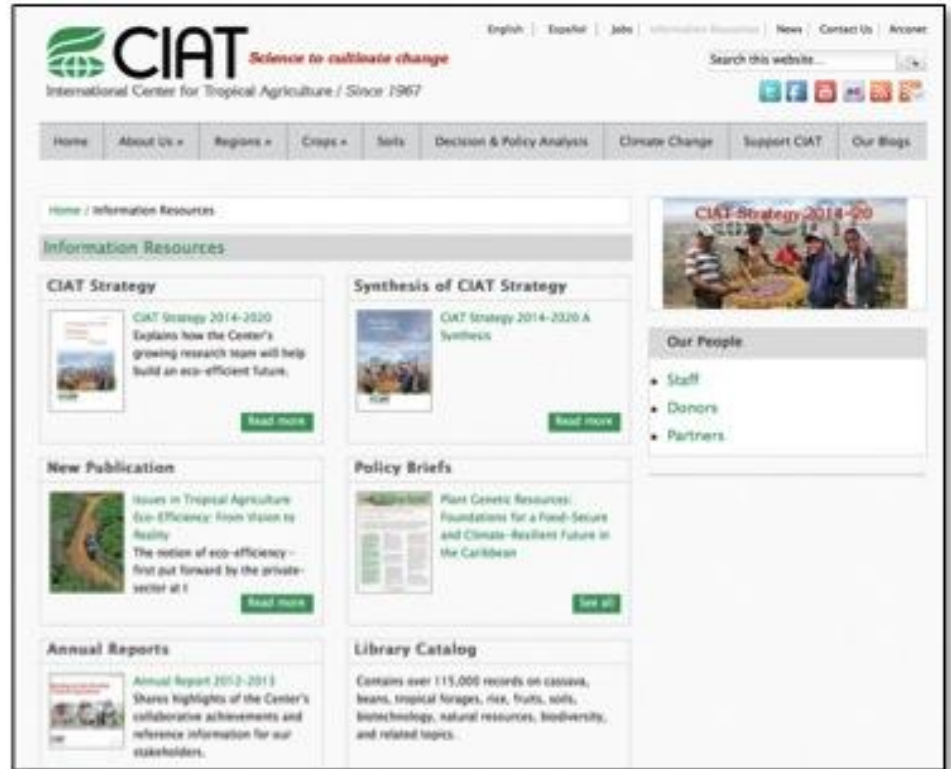
Digitization!

CIAT's Document Repository

CIAT
Science to cultivate the change
International Center for Tropical Agriculture / *Since 1967*

CIAT Library Repository

Search DSpace
[   ] Go
Advanced Search
⇨ Home

Browse
→ Communities & Collections
⇨ Issue Date
⇨ Author
⇨ Title
⇨ Subject

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DSpace at CIAT >

Communities and Collections

Shown below is a list of communities and the collections and sub-communities within them.

- **CIAT Publications** [6620]
  - Abstracts in Proceedings [127]
  - Annual Reports [37]
  - Articles in non Refereed Journal [170]
  - Articles in Proceedings [245]
  - Articles in Refereed Journals [1328]
  - Book Chapters [815]
  - Books [759]
  - Conference/Workshop Proceedings [146]
  - Others [2391]
  - Posters [489]
  - Theses Supervised [113]

A Repository Record

Open Access Policies of Publishers

http://www.sherpa.ac.uk/romeo/

CGSpace

Your Job

Continue to submit your work to the Library.

We can take Data for Dataverse too.

ciat-library@cgiar.org

and be ready for further Repository developments…