

Make your data count with institutional repository

Olatunbosun (Bosun) Obileye

Institutional Data Manager

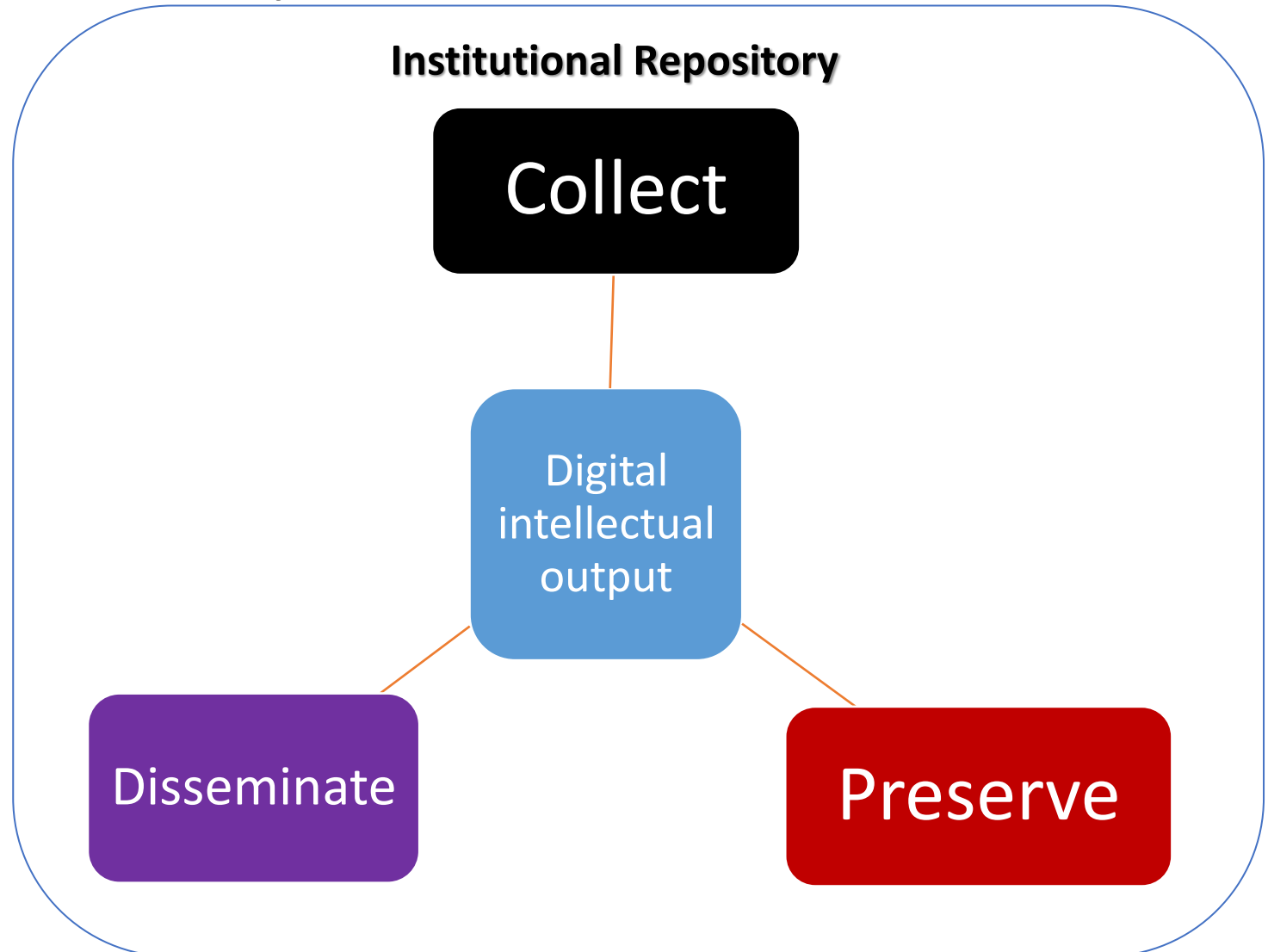
International Institute of Tropical Agriculture, IITA

Institutional Repository (IR)

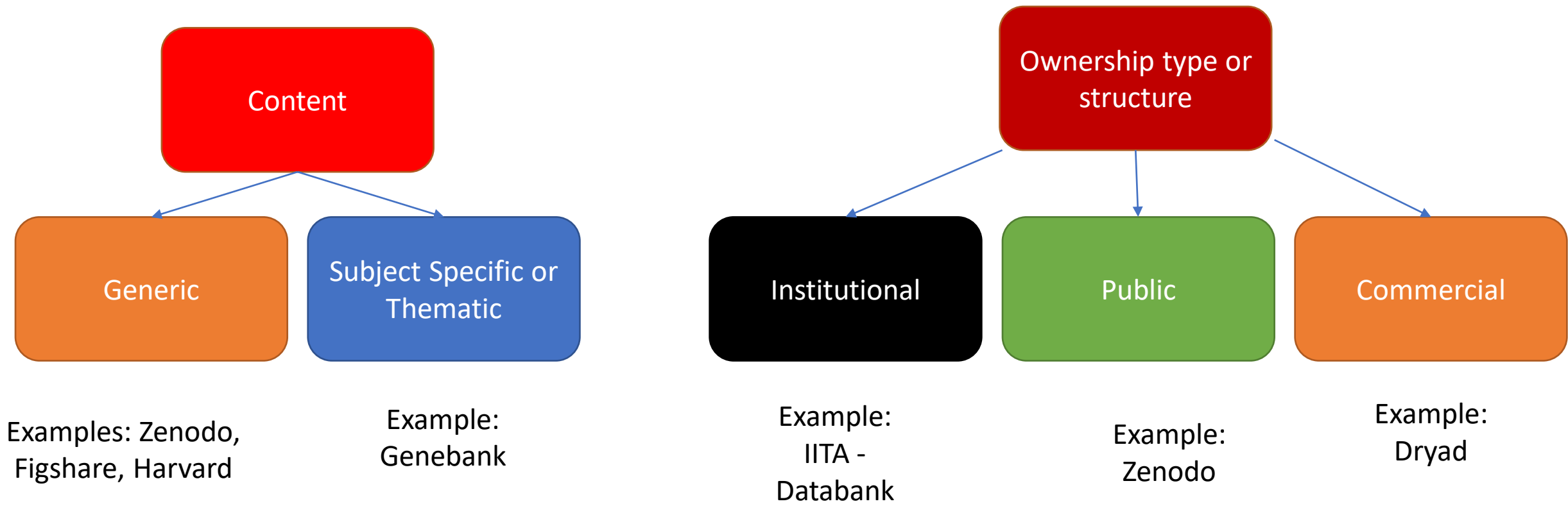
A digital platform for **collecting**, **preserving** and **disseminating digital copies of the intellectual output** of an institution along with the **associated metadata** and **persistent identifier**.

It is another name for Open Access or Open Data Repository

Data in Open Access Repository should be FAIR compliant

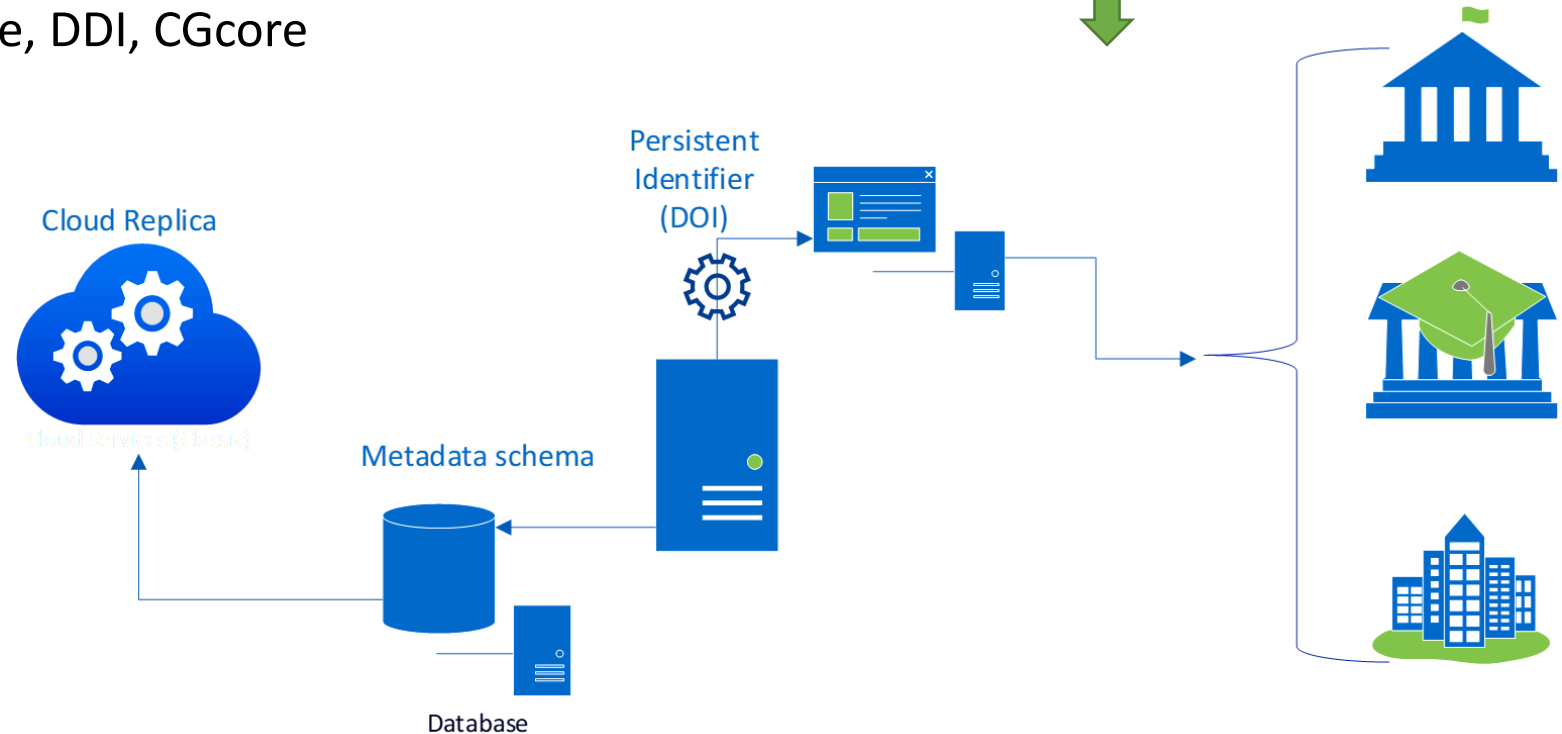


Types of research repositories



Components of a Repository

- Servers (Cloud, on premise or hybrid)
- Database – PostgreSQL, MySQL
- Software – CKAN, Dataverse, Resourceverse
- Persistent Identifier - <https://doi.org/10.25502/j046-5k77/d>
- Metadata standard – Dublin core, DDI, CGcore
- Internet connectivity



Agricultural data in the past

Several research data conducted in past decades cannot be found due to lack of data preservation

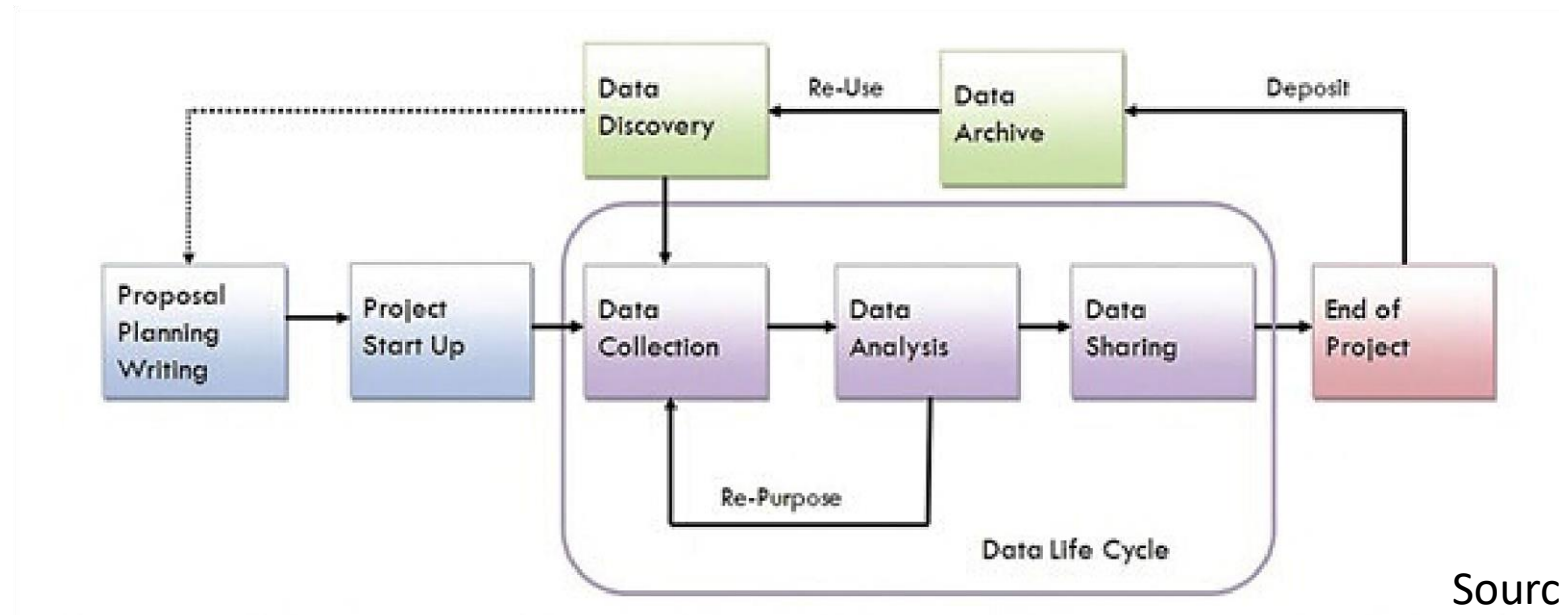
Scholars and researchers keep repeating the same trials

Scaling up is hindered due to lack of data

African researchers' visibility is low due to lack of evidential data on papers written

Research data management best practices is not popular

Where does your data end up after use?



Source UVa CC BY 4.0

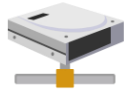
Where does your data end up after use?



Computer



Flash drive



Shared hard disk or drive

OR

Trusted Repository



Dataset Groups Activity Stream

Monitoring of Market Prices, Characterization of Value Chains, Cost and Benefit Analysis, and Adoption Evaluation

This research aims (1) monitor the market prices on quarterly basis in Bougouni and Koudoua, (2) make a comparative analysis of on-farm trials conducted in intervention zones of the project, (3) value chain analysis of main crops, and (4) make an adoption evaluation of technologies promoted by the project in Bougouni and Koudoua districts. About the project Project title: Research Program on Soil & Water Management Project abstract: As part of the Feed the Future Initiative, the United States Agency for International Development (USAID) is supporting an innovative multi-stakeholder agricultural research program, the Africa Research on Sustainable Intensification for the Next Generation (Africa RISING). The program's main objective is to identify and validate scalable options for the sustainable intensification of key African cereal-based farming systems to increase food production and improve the livelihoods of smallholder farmers and at the same time conserve or improve the natural resource base. Project website: <http://africa-rising.net> Project start date: 2015-01-01 Project end date: 2016-12-31

Citation: APA

World Vegetable Center (VRI/CI) (2017). Identification of Rainfed and Irrigated Vegetable Production Systems [Data set]. Harvard Dataverse. <https://doi.org/10.7910/DVN/MLJLQ3>

Data and Resources

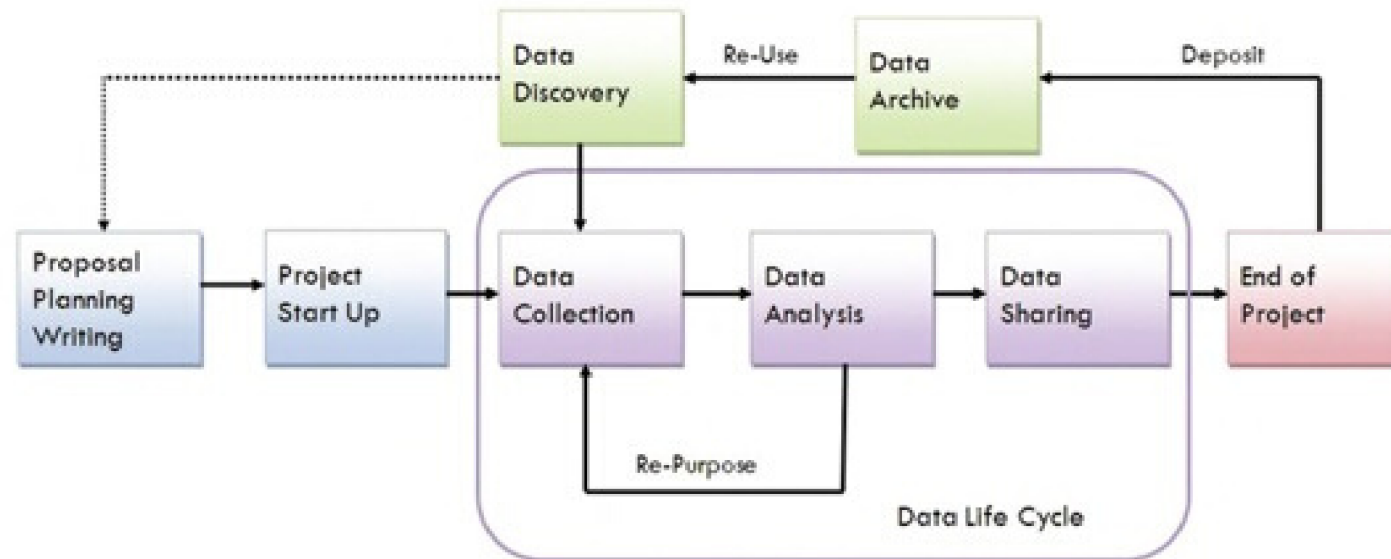
001_marketPricesData_10a1
This file contains market price data collected monthly from 2015-2016. [Explore](#)

002_adoptionData_10a1
This file contains adoption evaluation data from 2016. [Explore](#)

AFRICA AFRICA SOUTH OF SAHARA AGRICULTURAL SCIENCES AFRICA RISING BAMBARRA NUTS COMPEA EVALUATION GROUNDNUTS MAIZE MILK MARKET PRICES OKRA PEARL MILLETS PIGEON PEAS RED PEPPERS RICE ROSELLE SOCIAL SCIENCES SORGHUM SOYBEANS VALUE CHAIN WEST AFRICA

Additional Info

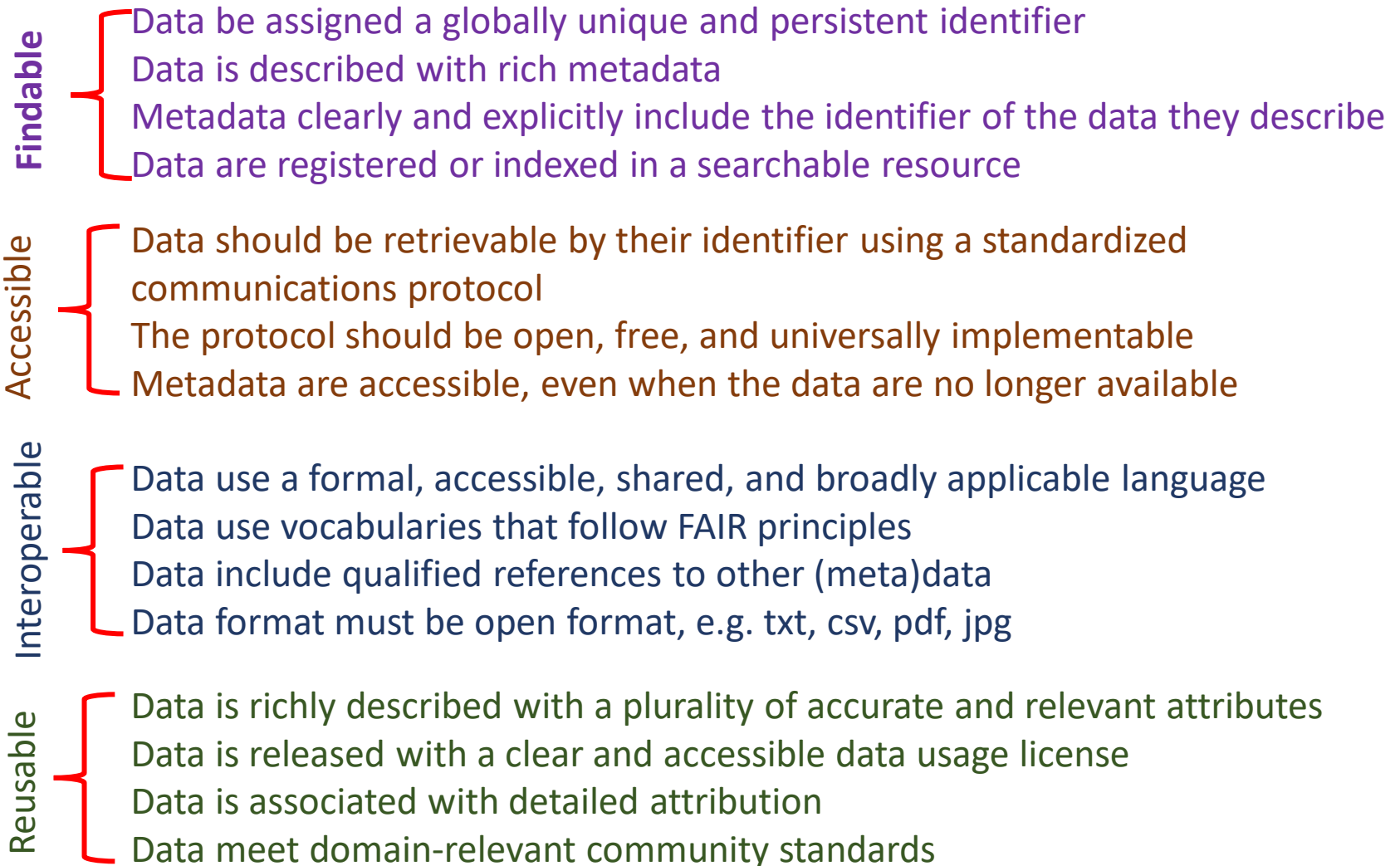
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Creator Affiliation	Not Applicable
Creator ID Type	Not Applicable
Creator ID	Not Applicable
Subject Vocab (AGROVOC/GAC/ICAR)	MAIZE RICE SORGHUM PEARL MILLETS GROUNDNUTS COMPEA SOYBEANS PIGEON PEAS BAMBARRA NUTS ROSELLE OKRA RED PEPPERS MARKET PRICES VALUE CHAIN EVALUATION MALI WEST AFRICA AFRICA SOUTH OF SAHARA AFRICA
Subjects	AFRICA RISING AGRICULTURAL SCIENCES SOCIAL SCIENCES
Publisher	Harvard Dataverse
Contributor Person	Bado, Felix (International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)/Kou, Bessie Hounde (International Institute of Tropical Agriculture (IITA)/Sango, Ousmane Zaman, Bessie Hounde (International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)/United States Agency for International Development (USAID)



Data that will count must be FAIR

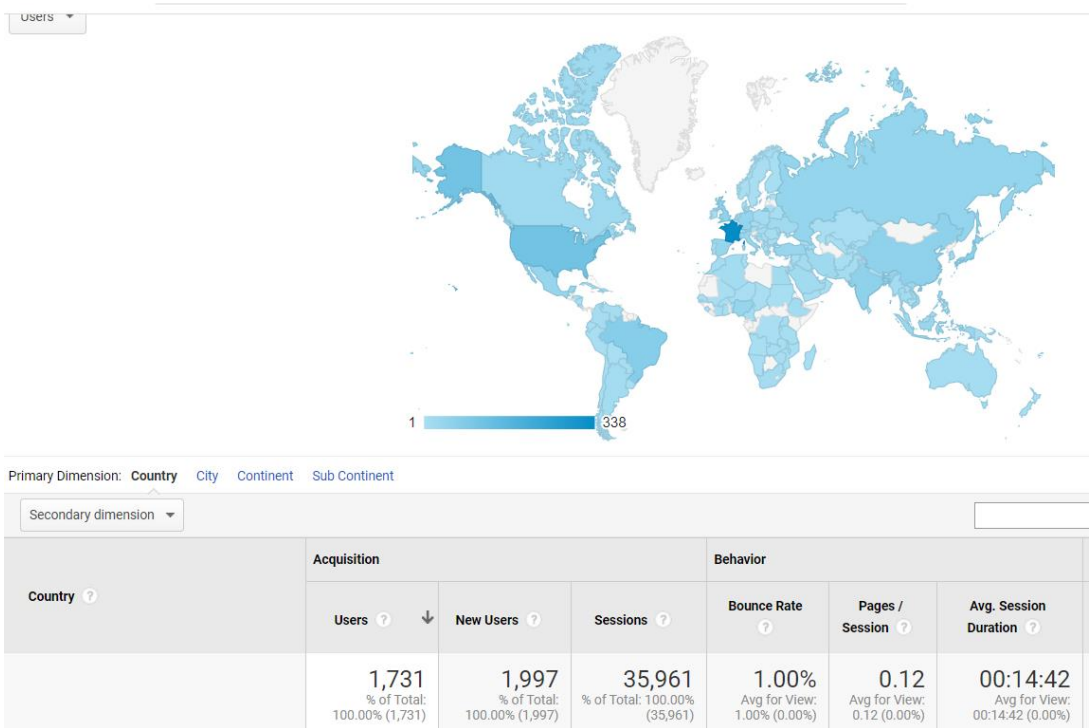
- FAIR is an acronym for

- Findable
- Accessible
- Interoperable
- Reusable



What will IR do for you?

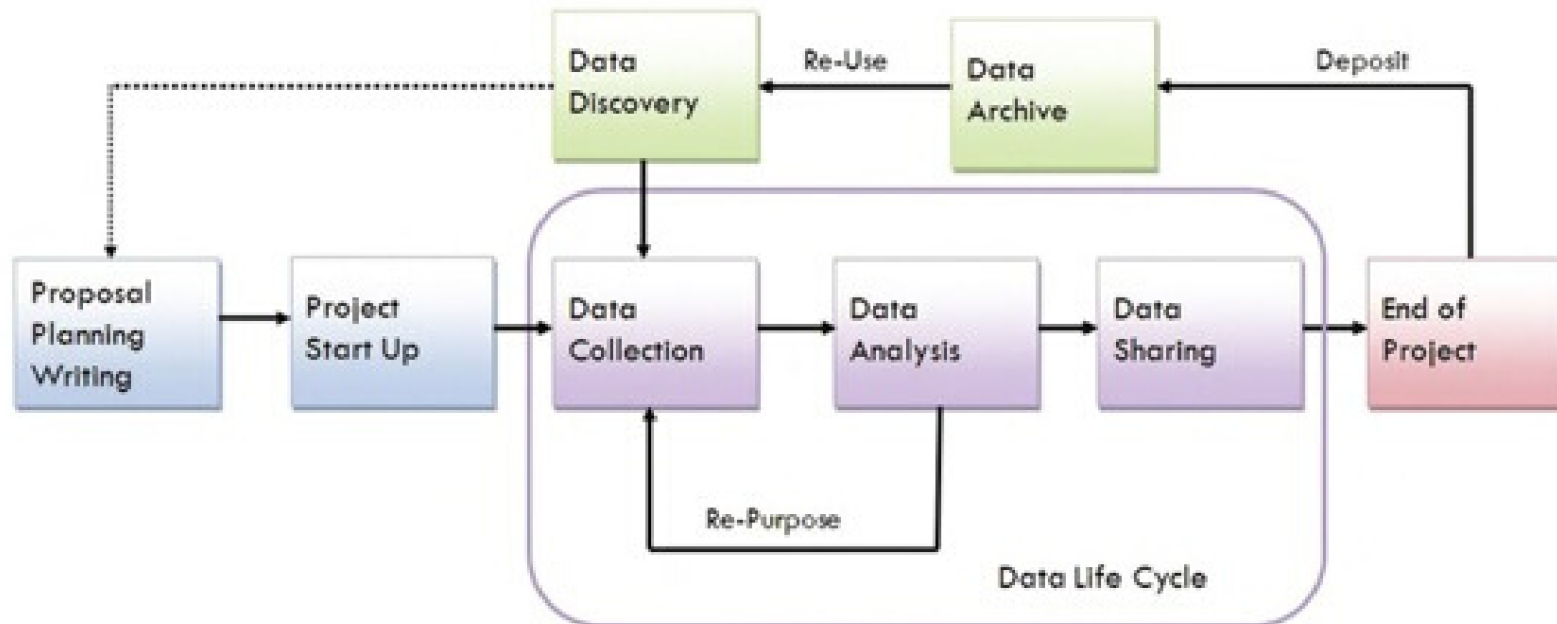
- Build trust for researcher, institution and government
- Trust attracts more fund from donor.
- Increase visibility of researchers and the institution
- Promote community engagement with data interoperability & reuse
- Enhances innovation and scaling
- Mitigate fraud among scavenger’s researchers
- Lead to disruptive innovative start-ups
- Increase efficiency, especially with DMP (Data Management Plan)
- Reduce cost

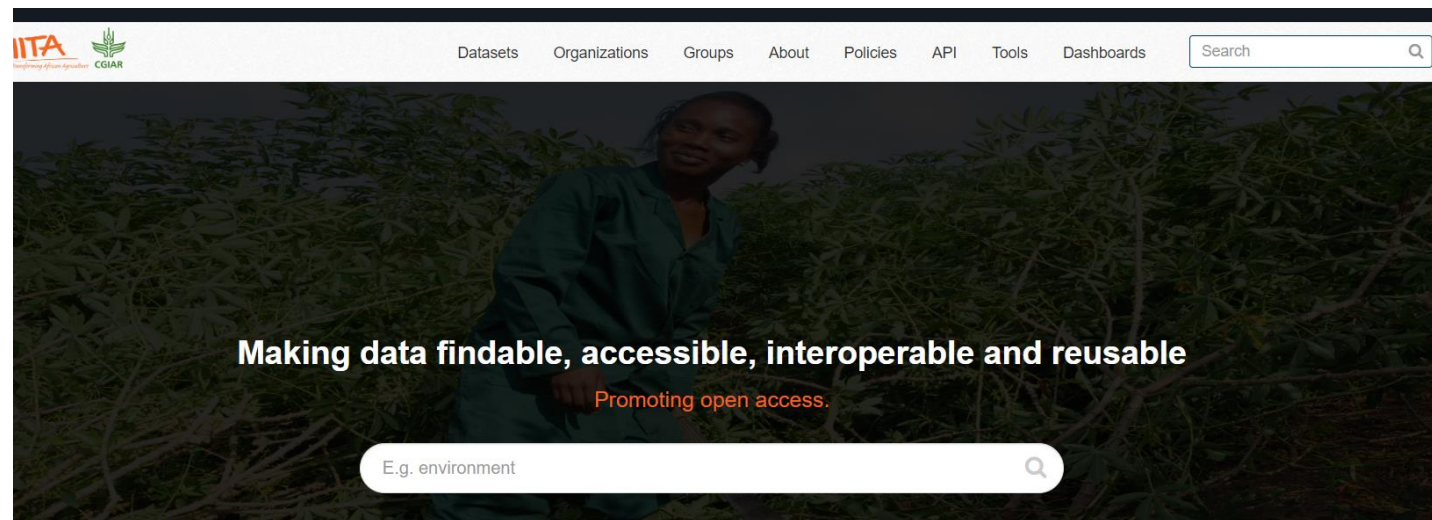


Country ?	Acquisition			Behavior		
	Users ? ↓	New Users ?	Sessions ?	Bounce Rate ?	Pages / Session ?	Avg. Session Duration ?
	1,731 % of Total: 100.00% (1,731)	1,997 % of Total: 100.00% (1,997)	35,961 % of Total: 100.00% (35,961)	1.00% Avg for View: 1.00% (0.00%)	0.12 Avg for View: 0.12 (0.00%)	00:14:42 Avg for View: 00:14:42 (0.00%)
1. France	338 (19.30%)	345 (17.28%)	360 (1.00%)	62.78%	1.38	00:00:42
2. United States	114 (6.51%)	134 (6.71%)	163 (0.45%)	12.27%	1.88	00:00:50
3. Brazil	72 (4.11%)	82 (4.11%)	98 (0.27%)	20.41%	1.81	00:00:42
4. Japan	58 (3.31%)	69 (3.46%)	87 (0.24%)	0.00%	2.00	00:00:52
5. China	54 (3.08%)	57 (2.85%)	73 (0.20%)	0.00%	2.00	00:00:47
6. India	54 (3.08%)	64 (3.20%)	72 (0.20%)	1.39%	1.99	00:00:56
7. United Kingdom	49 (2.80%)	55 (2.75%)	75 (0.21%)	41.33%	1.63	00:00:51
8. Russia	44 (2.51%)	50 (2.50%)	65 (0.18%)	12.31%	1.88	00:01:31
9. Bangladesh	41 (2.34%)	49 (2.45%)	61 (0.17%)	0.00%	2.00	00:00:44
10. Germany	41 (2.34%)	45 (2.25%)	58 (0.16%)	1.72%	2.03	00:01:37

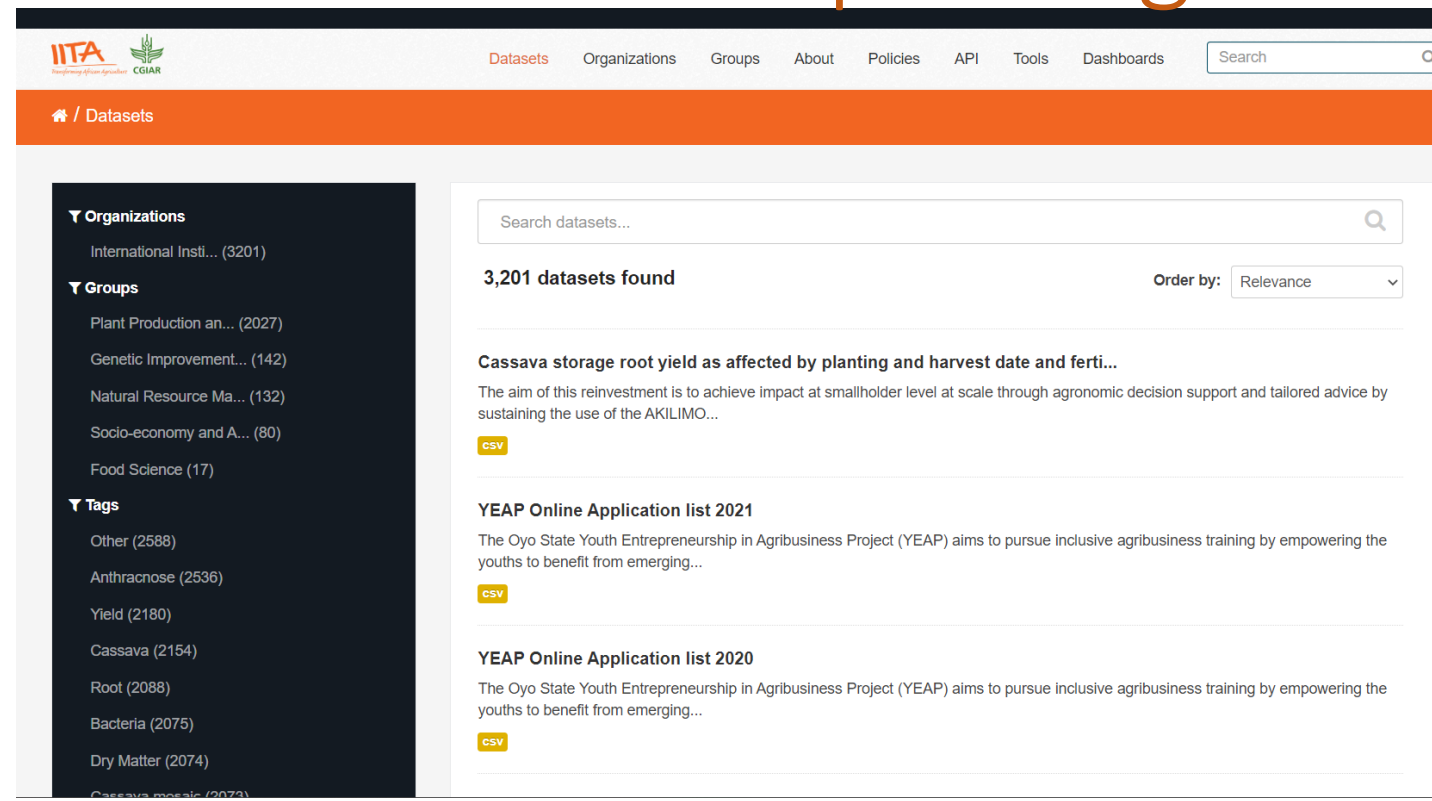
What must you do?

- Institutions should have data management plan or strategy
- Understand basics of Research Data Management
- Develop Data Management Plan for your project
- Adopt FAIR principle for your data collection
- Privacy, legal, and ethical concerns must be respected
- Use an open access repository for your data
- Ensure you have DOI (persistent identifier) for your data
- Do you have your ORCID?





International Institute of Tropical Agriculture's story



Thank you

