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# Improving Data Sharing and Re-use in and for Africa

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## Introduction

- Data Sharing

- Nairobi Workshop - 2014

- Data Ubuntu in Africa

## Kenya Open Data Initiative (KODI)

- Categories

- Views

## Notes

- Popularity

- Recommendation

- Summary



### Grand Challenges

Climate change, Food security, Health provision and many others - improving data sharing and re-use - Democratic innovators

### Nairobi Sharing Data Principles

Guidelines of Implementation of Data Sharing Principles for Sciences and Sustainability in Developing Countries.

Among the **TEN** Principles adapted, the first **THREE** are:

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- ▶ Data should be free to the user
- ▶ Data should be **informative and quality** controlled.
- ▶ ...



## Ubuntu Philosophy

"... the belief in a universal bond of sharing that connects all humanity..." (source: Wikipedia)

- ▶ To paraphrase a popular saying “African solutions to African problems” can we have “African Solutions to African Data Sharing Challenges”.



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- ▶ Global world is and should be part of the conversation and participation.
- ▶ Africans value the contributions from the Non-Africans to avoid reinvention of the wheel as well.





“Data openness fits into a pattern of both broad cultural interest in the Internet and societal support for transparency” The site link:

<https://opendata.go.ke/>

- ▶ Some site links:

Table: Sample Links

1	Home	...
2	Data Catalogue	...
3	Country Data	...
4	Open Budget	...
5	Suggest Data	...
6	Open Data Blog	...
7	How to Guide	...
8	More ...	...



## Categories

Some available data categories:

Table: Available Data Categories

Categories	Number of Datasets
Agriculture	3
Development Plans	No Categories
Economy and Finance	6
Education	4
Energy	3



## Views

Some available data Views:

Table: Available Views

1	Calendars
2	Charts
3	Data Lens Pages
4	Datasets
5	External Datasets
6	Files and Documents
7	Filtered Views
8	Forms
9	Maps



Table: Top Views

<b>Category</b>	<b>Date Posted</b>	<b>Views</b>	<b>Type</b>
Population	June 01, 2015	58, 445	Chart
	June 10, 2015	56, 228	Chart
Government Accounts	August 11, 2015	52, 045	Chart
	June 10, 2015	51, 315	Chart



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Research community vs any user

- ▶ Important Metadata details provided by UCI as compared to KODI which reveals little about the source
- ▶ Different formats in KODI.
- ▶ Visualize tools in the Kenya Open Data Portal - suitable for people with no technical skills



### Short View

African research institutions - develop standards for data sharing

- ▶ Details about the source of the datasets
- ▶ Awareness about the existence of the datasets
- ▶ How about extending its use - other groups, as the infrastructure exist
- ▶ Popularity count, since the aim is to have more consumers of the datasets.
- ▶ Data curation aspects -> the future of the datasets





## Africa Case of Data Sharing

- ▶ Open government environment that is enriched by open data — can create democratic innovators
- ▶ All actors should be encouraged/incentives for sharing data
- ▶ Government is sharing: the research community could do more - papers published using the datasets - cited



“... Data is a precious thing and will last longer than the systems themselves ...” – Tim Berners-Lee