

The Next Step

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**Think about the value
of your IR..**

Can you demonstrate?



KIDNEY STRUCTURE URINE
CONCENTRATING ABILITY UREA AND
ELECTROLYTE METABOLISM IN
EAST AFRICAN HIGHER VERTEBRATES

Slide 1

BY
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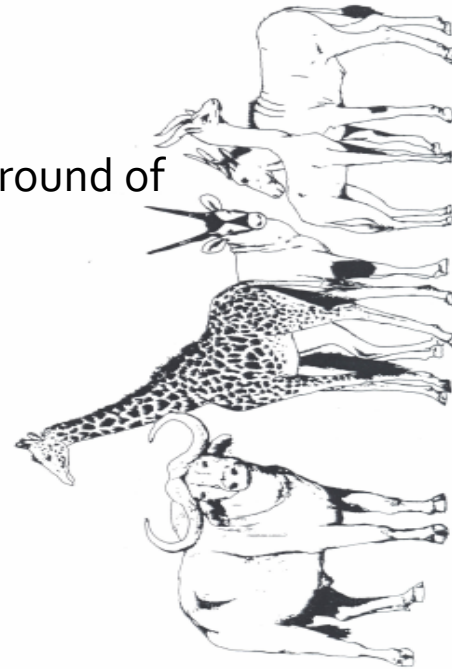


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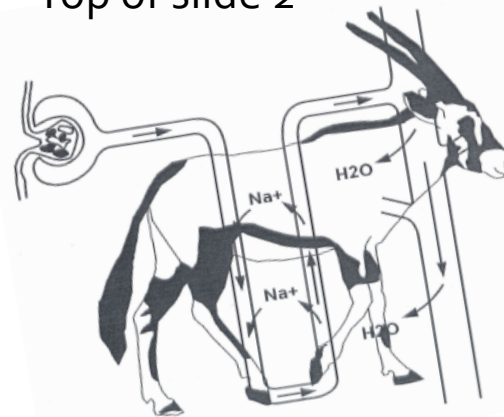
Lord Kelvin Principle
----- when you can measure what
you speaking about, and express
it in numbers, you know something
about it; ----- when you cannot
express it in numbers, your knowledge
is of a meagre and unsatisfactory
kind -----."

Lord Kelvin
1889.

Background of
slide 1



Top of slide 2



My experience with IRs in Kenya

- From 2012 - Establishment of UoN IR
- System developers Training in Addis-ababa - Atmire
- Establishment of IRs in 20 selected institutions – EIFL
- Several training and sensitizations – EIFL, KLISC, INASP, ADLSN, AAU (Participant/Facilitator)
- CERN-UNESCO School on Digital Libraries

The Important IR steps

■ Pre-Implementation

- Content guidelines (what, how, why)
- metadata guidelines

■ Implementation

- Decide platform to use (Dspace, Eprints?)
- Build IT infrastructure
- Repository establishment (Install)
- Launch and Registration

■ Post-Implementation (Hardest & longest)

- Continuous system improvement and maintenance (upgrades, marketing, enhancements, handle, ORCID, OAI-PMH)



Policies, create buy-in

Celebrating Quantities

- According to openDOAR, 29 Kenyan repositories registered, Highest in Eastern Africa second highest in Africa after South Africa

<http://v2.sherpa.ac.uk/opensoar/>



What is the Value?

Global Comparison

- Only 20(out of 50) countries in sub-Saharan Africa produced at least one data record in the Data Citation Index, with South Africa leading the pack with 539 (61.39 %) records followed by Kenya, Cameroon and Ghana. SSA contributes a mere 0.03 % of the world's research data (Onyancha, 2016)

Global comparison

- South Africa leads with 63.7% while Kenya comes a distant second with 14.3%, Cameroon accounts for 11.1% and Ghana 2.7%. The countries with the least contribution include Tanzania and Burundi with 0.1% and Zambia and Sudan with 0.2% (Onyancha, 2016).

QUALITY

BUSINESS

QUANTITY

SUCCESS PATH



Dr Vannevar Bush

Director U.S. Office of Scientific Research and Development

“A record if it is to be useful to Science, it must be extended, it must be stored and above all it must be consulted.”

'Bush V. As we may think. *Atlantic Monthly* July 1945

The Value of a record

1. Is it accessible ?
2. Has it been stored/is it visible ?
3. Has it been cited ?

Of what value are our
Records?

Benefits – Individual/institution

- Can Librarians demonstrate the value of a record in the IR?

❖ **Visibility**

❖ **Impact factor**

❖ **Citation**



• **Google Scholar**

Google scholar and IR test

- Four top ten Universities in Africa/Kenya webometrics ranking selected (2 from SA and 2 from Kenya)
- Articles selected randomly from their repositories and subjected to test.
 - Accessible: Via google and G.scholar ?
 - Stored: PDF available?
 - Consulted: Citations in google scholar

Availability Vs Accessibility

Repository	Number of articles selected	Number of articles accessible via google	Number of articles accessible via G. scholar	Pdf found?	Number of Articles cited at least ones in G. scholar
University of cape town Repository	20	20	18	15	4
university of the witwatersrand	20	20	16	17	3
University of Nairobi	20	20	14	18	2
Kenyatta University	20	20	10	11	2
Total	80	80	58	61	11

Report Card

1. Is it accessible ? Google - 100% | G.scholar- 72%
2. Google - Has it been stored ? – 76%
3. Google scholar - Has it been consulted (Citation) ? 11%

Usage high citations low?

Why?

Title	Institution	Availability /citation in google scholar	
The cancer burden in Africa	University of Cape town, SA		
		South Africa medical journal samj.org.za	26
		UCT repository open.uct.ac.za	0

Best practices

- Re-look in to:
 - Sitemaps
 - Google analytics – Google scholar metadata mappings
 - G. Scholar inclusion criteria
- Register ORCID
- Get the handle
- Encourage self-Archiving
- Invest – workshops, training, enhancements etc
- Involve stakeholders – in building repository and Policies

Challenges

- Handles not acquired
- ORCID
- System Upgrades
- ICT/Librarians wars
- Awareness – Policies, Repositories, benefits
- Self Archiving
- Lack of support- Management & departments

- Data collected in EIFL/spider project survey

END