The Next Step

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Think about the value of your IR..

Can you demonstrate?
Slide 1

Knowledge Management and IR – Librarians role
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)
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/opendoar/

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)

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
“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?
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

<table>
<thead>
<tr>
<th>Repository</th>
<th>Number of articles selected</th>
<th>Number of articles accessible via google</th>
<th>Number of articles accessible via G. scholar</th>
<th>Pdf found?</th>
<th>Number of Articles cited at least ones in G. scholar</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of cape town Repository</td>
<td>20</td>
<td>20</td>
<td>18</td>
<td>15</td>
<td>4</td>
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<tr>
<td>university of the witwatersrand</td>
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<td>20</td>
<td>16</td>
<td>17</td>
<td>3</td>
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<tr>
<td>University of Nairobi</td>
<td>20</td>
<td>20</td>
<td>14</td>
<td>18</td>
<td>2</td>
</tr>
<tr>
<td>Kenyatta University</td>
<td>20</td>
<td>20</td>
<td>10</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>80</strong></td>
<td><strong>80</strong></td>
<td><strong>58</strong></td>
<td><strong>61</strong></td>
<td><strong>11</strong></td>
</tr>
</tbody>
</table>
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?**
<table>
<thead>
<tr>
<th>Title</th>
<th>Institution</th>
<th>Availability / citation in google scholar</th>
</tr>
</thead>
<tbody>
<tr>
<td>The cancer burden in Africa</td>
<td>University of Cape town, SA</td>
<td>South Africa medical journal samj.org.za</td>
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<tr>
<td></td>
<td></td>
<td>UCT repository open.uct.ac.za</td>
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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