Identifying resources for ASKIA and modalities for Member countries contributing virtual resources to be included in ASKIA portal as a part of the African Virtual Library and knowledge hub

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OUTLINE

- Concepts & Definitions
- Identifying resources for ASKIA
- Modalities for member countries contributing virtual resources
Concepts & Definitions

ASKIA?: we must agree on what we are talking about

- **Information**: from data which are raw content; data have no meaning or value themselves. When data are grouped together (comparisons can be made), they become information.

- **Knowledge**: is information that is in context and therefore useful for action. Both Data & Information are parts of Knowledge.

- **Scientific Information**: journal articles, conference papers and datasets of various kinds

- **Traditional Knowledge**: is it excluded?
  - verbal expressions (stories, epics, legends, folk tales, poetry, riddles, etc.),
  - musical expressions (folk songs and instrumental music),
  - expressions by action (dances, plays, ceremonies, rituals and other performances) and
  - tangible expressions that must be fixed on a permanent material (drawings, designs, paintings (including body-paintings), carvings, sculptures, pottery, mosaics, jewelry, basket work, textiles, carpets, costumes, musical instruments, etc.)
Type of resources

- Prints: books, serials
- Multimedia: optical materials
- Audiovisual documents: Magnetic records (VHS, Audio tapes,…)
- Manuscripts
- Research Data
- Artefacts: museum objects
Producers

• Universities

• Research centres and Institutes

• Government, Public Administration & Entreprises

• Regional and Sub-regional Organizations

• Private Companies & Industries

• …
Identifying Resources for ASKIA: Universities & Research Institutes

This kind of Scientific Knowledge and Information (SKI) should be the core of ASKIA Portal and be available via:

- their own catalogues, Institutionnal Repositories, Digital Libraries and Archives (online & offline)

- aggregative catalogs and Digital Libraries and Archives at a national level: Library consortia, national documentation centres, National Libraries

- aggregative catalogs and Digital Libraries at international level: sub-regional projects, regional projects,
Identifying Resources for ASKIA: Universities & Research Institutes (Academic World)

To identify academic resources that will sustain the portal, we have two potential starting points.
Identifying Resources for ASKIA: Universities & Research Institutes

Africa in OpenDOAR

- 128 repositories for
- 22 countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Algeria</td>
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<td>Botswana</td>
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<td>Senegal</td>
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<tr>
<td>Uganda</td>
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</tr>
</tbody>
</table>

Rank 5
Identifying Resources for ASKIA: Universities & Research Institutes

Africa in *OpenROAR* and *Celestial*

- 101 repositories

**Repository type chart**

**Countries**
- South Africa 36.63%
- Other 3.96%
- Ghana 3.96%
- Sudan 3.96%
- Morocco 2.97%
- Lesotho 1.98%
- Mozambique 1.98%
- Ethiopia 1.98%
- Uganda 0.99%
- Tanzania 4.95%
- Egypt 5.94%
- Algeria 5.94%
- Zimbabwe 6.93%
- Nigeria 7.92%
- Kenya 8.91%

**Software**
- DSpace 75.27%
- EPrints 11.83%
- ETD-db 2.15%
- CDS Invenio 1.08%
- Bepress 1.08%
- Other softwares (various) 7.53%

**Repository types**
- Research Institutional or Departmental
- e-Theses
- Research Cross-Institutional
- Research Multi-Institution Repository
- Research Data
- Learning and Teaching Objects
- Other
Identifying Resources for ASKIA: Government & Public administration

- Legal information: legislation from parliament, international & foreign agreements
- Data & statistics: Open data (national portals)
- Administrative documentation: official reports, Development Plans & Visions
Identifying Resources for ASKIA: Companies

- Patents related to industrial property: African Intellectual Property Organization (OAPI), African Regional Intellectual Property Organization (ARIPO)
- Annual reports
- Statistical Data
Some Initiatives that can (must) be taken in consideration

- Système d’information scientifique et technique (SIST) and its national bodies (12): e.g., Senegal [http://www.sist.sn](http://www.sist.sn)

- African Digital library support Network (ADLSN) [http://adlsn.org](http://adlsn.org)

- Virtual Library of the West African Economic and Monetary Union: 8 French speaking countries (ongoing process)


- ALORA project (CERDOTOLA, Cameroon): [https://alora.cerdotola.com/](https://alora.cerdotola.com/)

- Network of National Libraries, Archives and Museums of Central Africa (Launch workshop planned for 15-17 September 2015 in Douala Cameroon)

- National & Academic Digital libraries…

- …The IDEA: mapping of all these programs and projects
Modalities for Member countries

can be considered as ASKIA guidelines for contributors

**Scope**
- The Portal aggregates records for published African scientific knowledge & information in all formats. Documents must be in the public domain or offered under terms of use intended to promote research and scholarship. The participation to ASKIA should be endorsed by a national authority of the country (e.g., Ministry of Higher Education & Scientific Research) based on a MOU proposed by ASKIA. The national authority should act as a focal point for ASKIA and coordinate locally the contribution to ASKIA in concordance with local mandates & policies related to Open access to the national scientific resources.

**Structure**
- Contributed records must be in a compliant metadata format such as: MARC, MARCXML, MODS, or Dublin Core format. They must be elaborated with functionalities that can help a future mapping with other repositories within the portal. This will be helpful for a future integration of ASKIA within the Open Linked Data map and Semantic Web.

**Linked texts**
- Records should include, as well as possible one or more fully-formed hyperlinks to a high-quality, fully digitized content freely available (e.g. not password-protected or IP-dependent), and downloadable through the contributor’s website. Ideally, a full-text search should be possible.

**Methods of delivery**
- Acceptable means of transmitting contributions include, but are not limited to, e-mail attachment, File Transfer Protocol (FTP), Open Archives Initiative (OAI) harvest using PMH Protocol.
Modalities for Member countries

An inspiring Model?

6 countries in Africa - 18 mandates & policies

The Registry of Open Access Repository Mandates and Policies (ROARMAP) is a searchable international registry charting the growth of open access mandates and policies adopted by universities, research institutions and research funders that require or request their researchers to provide open access to their peer-reviewed research article output by depositing it in an open access repository.

Ideally, countries should already have their own mandates & policies related to Open Access to information and knowledge.
Some elements of Agreement for Metadata Contributed to the AVLIN/ASKIA Portal

1- contributions

- agrees to supply data in the format indicated in the Guidelines for Contributions
- warrants that its contributions are within the current content scope of the Portal, warrants that the texts are in the public domain or are made available under terms of use

- agrees to incorporate appropriate contributed data into the merged format of the Portal, and to cite the Contributing Institution as the source for the metadata contributed and to acknowledge all Contributing Institutions on the Portal website.

- agrees that its contributed data will become a permanent part of the Portal and grants a perpetual, royalty-free license to use the data for the purposes stated herein.
- acknowledges and agrees that Portal metadata is offered to users under the Creative Commons License Universal Public Domain Dedication. [http://creativecommons.org/publicdomain/zero/1.0/](http://creativecommons.org/publicdomain/zero/1.0/)
Some elements of Agreement for Metadata Contributed to the AVLIN/ASKIA Portal
1- contributions (cont’d)

AVLIN/ASKIA

- maintains the right to final editorial control over the Portal and can refuse data contributions that do not match with the Guidelines for Contributions, or are outside the scope, or are inappropriate contributions to the Portal.

Contributing institution

- warrants that the contributed data doesn’t infringe any proprietary rights or any copyright, and that contributed material is not offensive, defamatory or morally inappropriate.
Some elements of Agreement for Metadata Contributed to the AVLIN/ASKIA Portal

2- content

**AVLIN/ASKIA**

- agrees to make available the metadata repository free-of-charge on the website of the AVLIN/ASKIA and other locations as appropriate. Linking to it from external websites is strongly encouraged as the use of a powerful search engine for both metadata and fulltext retrieval
- agrees to set up a registry of member countries (with different national institutions) that contribute in the ASKIA Portal
- may make back-up copies of the Portal and undertake other actions to ensure preservation and sustainability of the Portal.
- is under no obligation to maintain the Portal and has the right to cease operation at any time. Should the Receiving Institution cease to operate the Portal, it will attempt to provide the Contributing Institutions with advance notice and make a good faith effort to transfer it to another institution.

**Contributing institution & AVLIN/ASKIA**

- acknowledge that the terms of use for the digitized contents are determined by the Contributing Institution and/or their service provider.
“Getting information into the world is easier and cheaper than ever. African libraries need to take up the responsibility of being partners in information creation”.

(Lara Skelly, Librarian: Research Support at Cape Peninsula University of Technology)
http://cfl.eifl.net/

http://opendataforafrica.org/

http://roar.eprints.org/

https://theconversation.com/african-libraries-that-adapt-can-take-the-continents-knowledge-to-the-world-46044

http://www.getty.edu/research/tools/portal/terms.html

http://www.opendoar.org/about.html
Thank you!
Merci!

Antonin Benoît DIOUF