Andrew Joseph

DOIs and metadata standardisation in academic publishing overview and role. Lessons learned, benefits and drawbacks. What publishers do with DOIs.

Big challenges

- Power

- National and commercial advantage

- The postcolonial tango – Direction of research to researchers

- Equitable relationships

- Interoperability and internationalism

- Coordinated action

- Ownership, control and attribution

Observations

- Standards change – process not goal

- The problem of identifiers won't go away – it will intensify (attribution, connection to employment, cultural capital).

- Not all publishers use DOIs (esp in South Africa). Why not?

WITS UNIVERSITY PRESS

African Content, Global Impact

Why DOIs are interesting to a publisher

- ISBN, ISSN, ORCiD, ISNI
- ROR-IDs
- IUPAC International Chemical Identifier (InChI)

- Interoperability (Library, Google, formal citation, altmetrics)
- Cross-subject/discipline
- Cross-format (book, article, proceeding, dataset, preprints, audio, video, image)

WITS UNIVERSITY PRESS

African Content, Global Impact

Why use a DOI?

Advantages
- Establish authenticity of a resource
- Access to a resource even if its location changes
- Interoperability between collections and systems
- Reporting – citation and usage
- Format agnostic
- Update to metadata at later stage

Disadvantages
- Costs to establishing or using a resolver service
- Dependence on ongoing maintenance and enhancement
- Appropriate research and publication management systems to track

WITS UNIVERSITY PRESS

DOIs and discoverability

- Citation
- Usage
- Referencing
- Zotero, EndNote
- Journal articles, book chapters, datasets, archival material

WITS UNIVERSITY PRESS

What publishers do with DOIs

- Sales and distribution partners
- Marketing and promotion:
  website, catalogue and promotional material
- Aggregators – EBSCO, Project MUSE, JSTOR etc
- Open Access
- Citations and altmetrics : Dimensions, Web of Science,
- Author attribution: ORCiD, ISNI
- Institution attribution: ROR–IDs

WITS UNIVERSITY PRESS

African Content, Global Impact

What small publishers don't do with DOIs

- Lack of CMS or Platform:
    Enhancement without CMS
    ORCiD deposit
    Consistent and coordinated reporting

- Institutional infrastructure – Universities and DHET

- Chapter level DOI

WITS UNIVERSITY PRESS

What Wits Univ Press has done
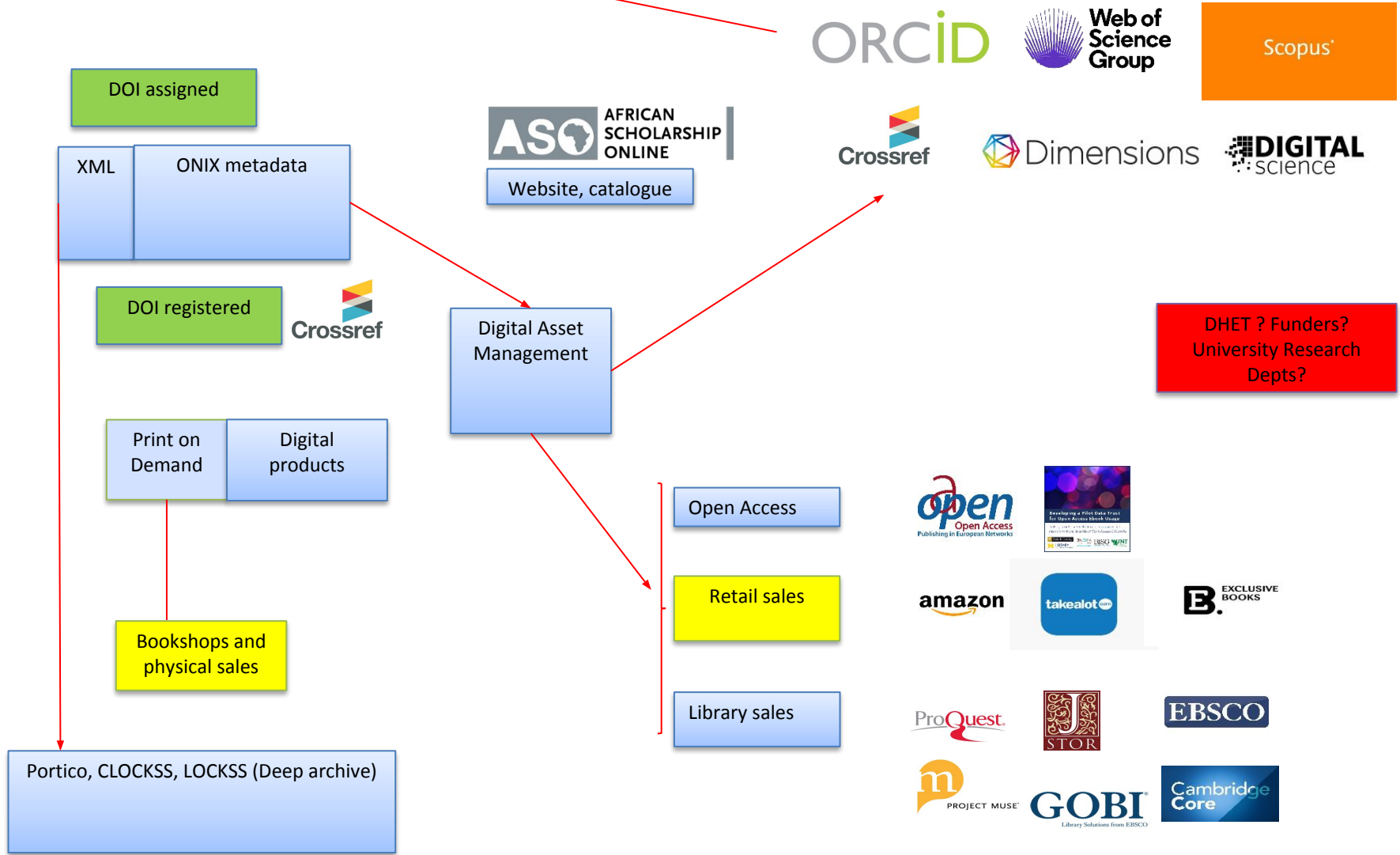
Previously

- Traditional print model to meet local demand
- International sales through large distributors and licensing content
- Processes driven by international distributors only

In the past 6 years

- XML driven workflow
- ORCiD integration limited but embedded
- Direct relationship with major aggregators
- Open Access
- ONIX generation
- Print-on-demand

WITS UNIVERSITY PRESS

WITS UNIVERSITY PRESS

ORCID
Web of Science Group
Scopus

ASO AFRICAN SCHOLARSHIP ONLINE
Crossref
Dimensions
DIGITAL science

DOI assigned

XML | ONIX metadata

Website, catalogue

DOI registered
Crossref

Digital Asset Management

DHET ? Funders? University Research Depts?

Print on Demand | Digital products

Open Access
Open Access Publishing in European Networks
Developing a Pilot Data Trust for Open Access ebook Usage

Retail sales
amazon
takealot.com
EXCLUSIVE BOOKS

Bookshops and physical sales

Library sales
ProQuest
JSTOR
EBSCO
PROJECT MUSE
GOBI Library Solutions from EBSCO
Cambridge Core

Portico, CLOCKSS, LOCKSS (Deep archive)

African Content, Global Impact

Wits University Press projects using DOIs

AFRICAN SCHOLARSHIP ONLINE

WiSER — WITS INSTITUTE FOR SOCIAL AND ECONOMIC RESEARCH — UNIVERSITY OF THE WITWATERSRAND

Developing a Pilot Data Trust for Open Access Ebook Usage

Building an international data trust to improve the measurement and analysis of Open Acesss (OA) books

Curtin University
M | LIBRARY UNIVERSITY OF MICHIGAN
EDUCOPIA INSTITUTE Community Cultivators
BISG BOOK INDUSTRY STUDY GROUP
UNT UNIVERSITY OF NORTH TEXAS

WITS UNIVERSITY PRESS

What's the problem?

- Cost
- Continued update on repositories?
- Subject specificity
- Is this a Northern project? Can we be involved? Should we?
- Bureaucracy, administrative obstacles – what is to be done?

Andrew.Joseph@wits.ac.za

WITS UNIVERSITY PRESS