AIMS

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Open source software for building open access repositories

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Introduction

- Description of three open source
  - softwares for building open access
  - repositories
  - Eprints Software
  - Dspace
  - Fedora Commons
- Comparative analysis
- Use
  - Use Cases
  - Agriculture & Related Sciences
  - Worldwide

Software

Eprints Software

Developer University of Southampton
Stable release 3.2.0 / March, 2010
Written in Perl
Operating system Cross-platform
Development status Active
Type Institutional repository software
License GPL
Website http://software.eprints.org

DSpace

Developer DSpace Foundation
Stable release 1.6.0 / March 2, 2010
Written in Java
Operating system Cross-platform
Development status Active
Type Institutional repository software
License BSD licence
Website http://www.dspace.org

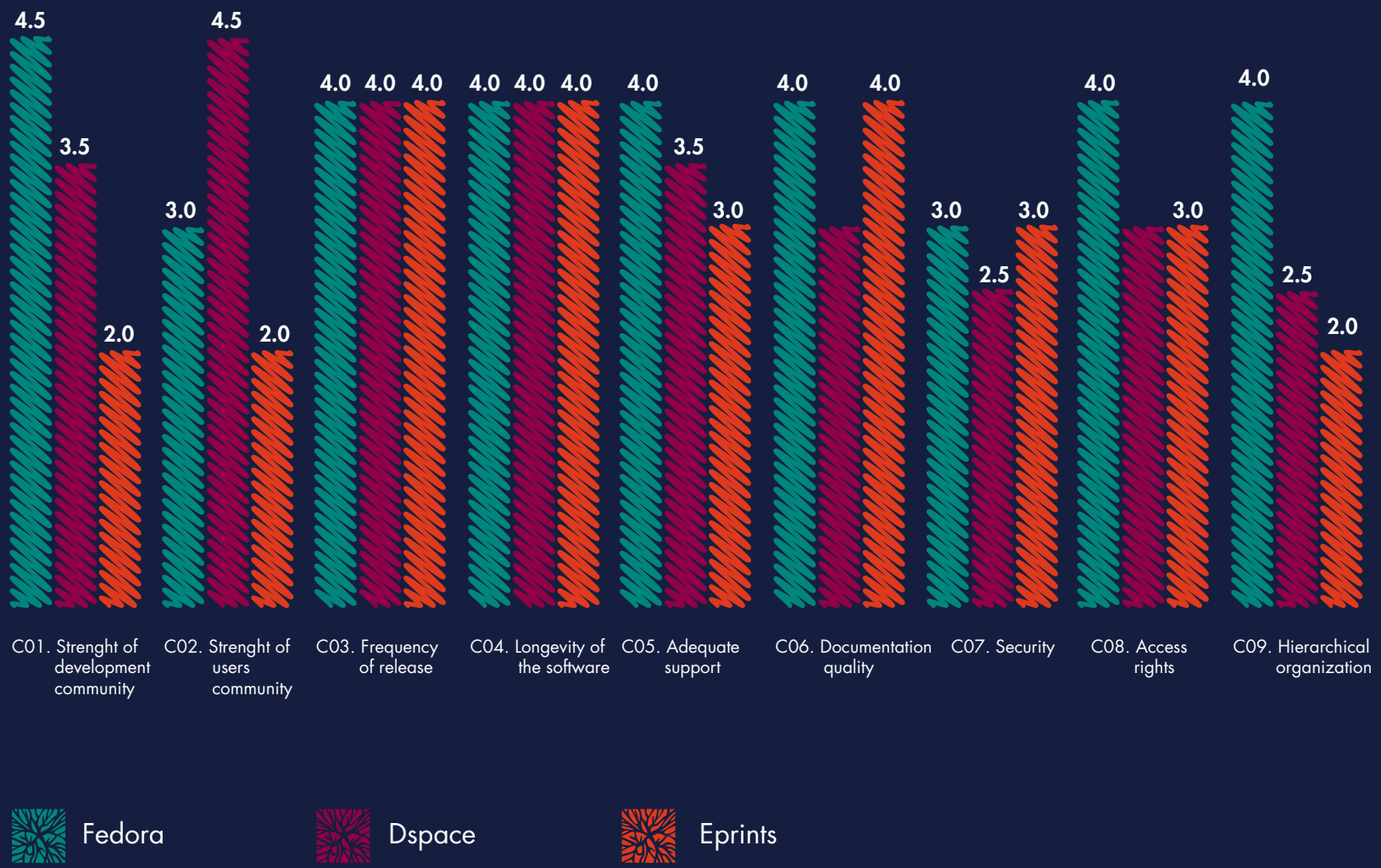
Fedora Commons

Developer Cornell University Information Science & University of Virginal Library
Stable release 3.3 / December 21, 2009
Written in Java
Operating system Cross-platform
Development status Active
Type digital repository
License ECL (Apache derived)
Website http://www.fedora-commons.org/

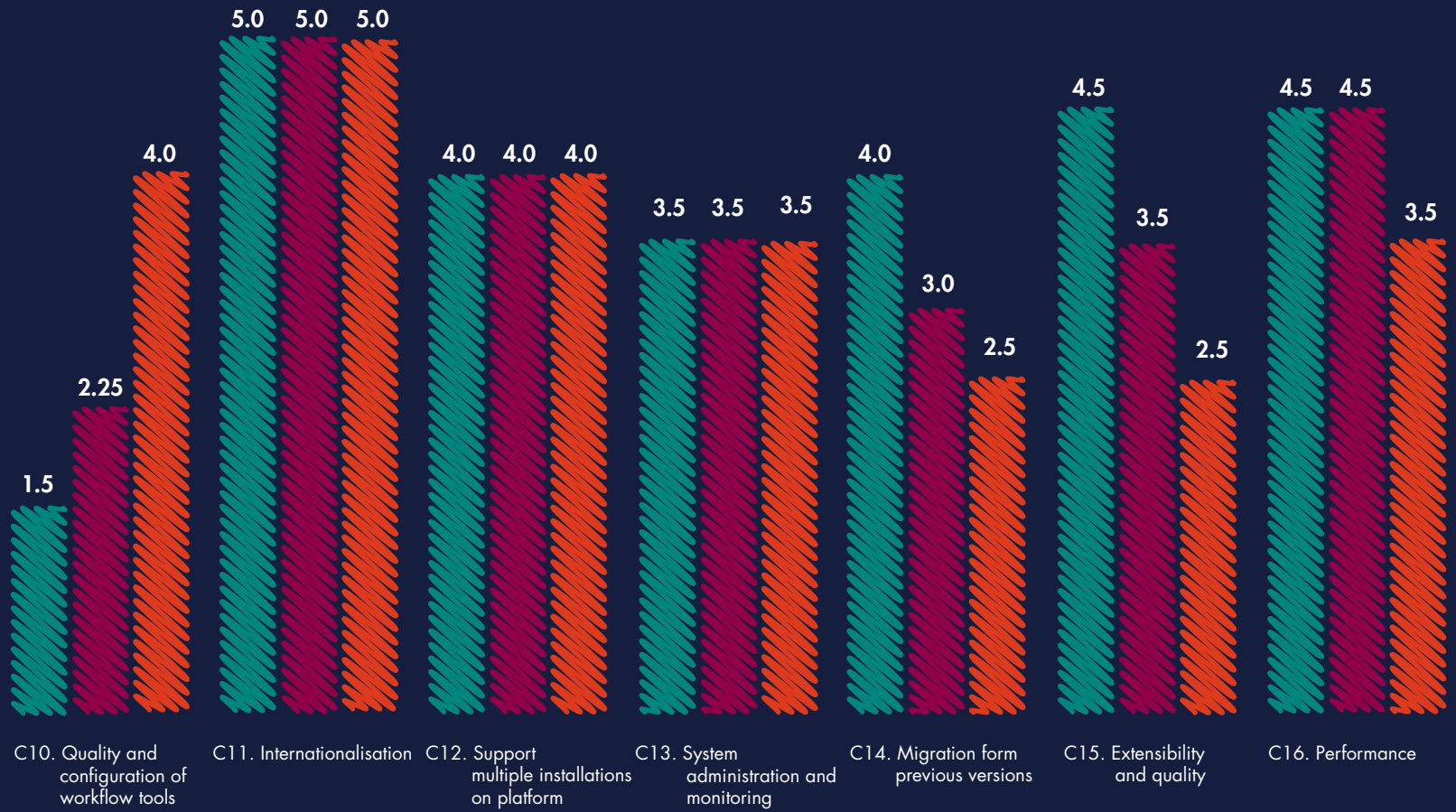
Evaluation*

*Nicolai, Claudia; Subirats, Imma; Bagdanov, Andy (2008) Evaluating Selected Open Source Repository Systems for the FAO Open Archive DSpace and Fedora Commons

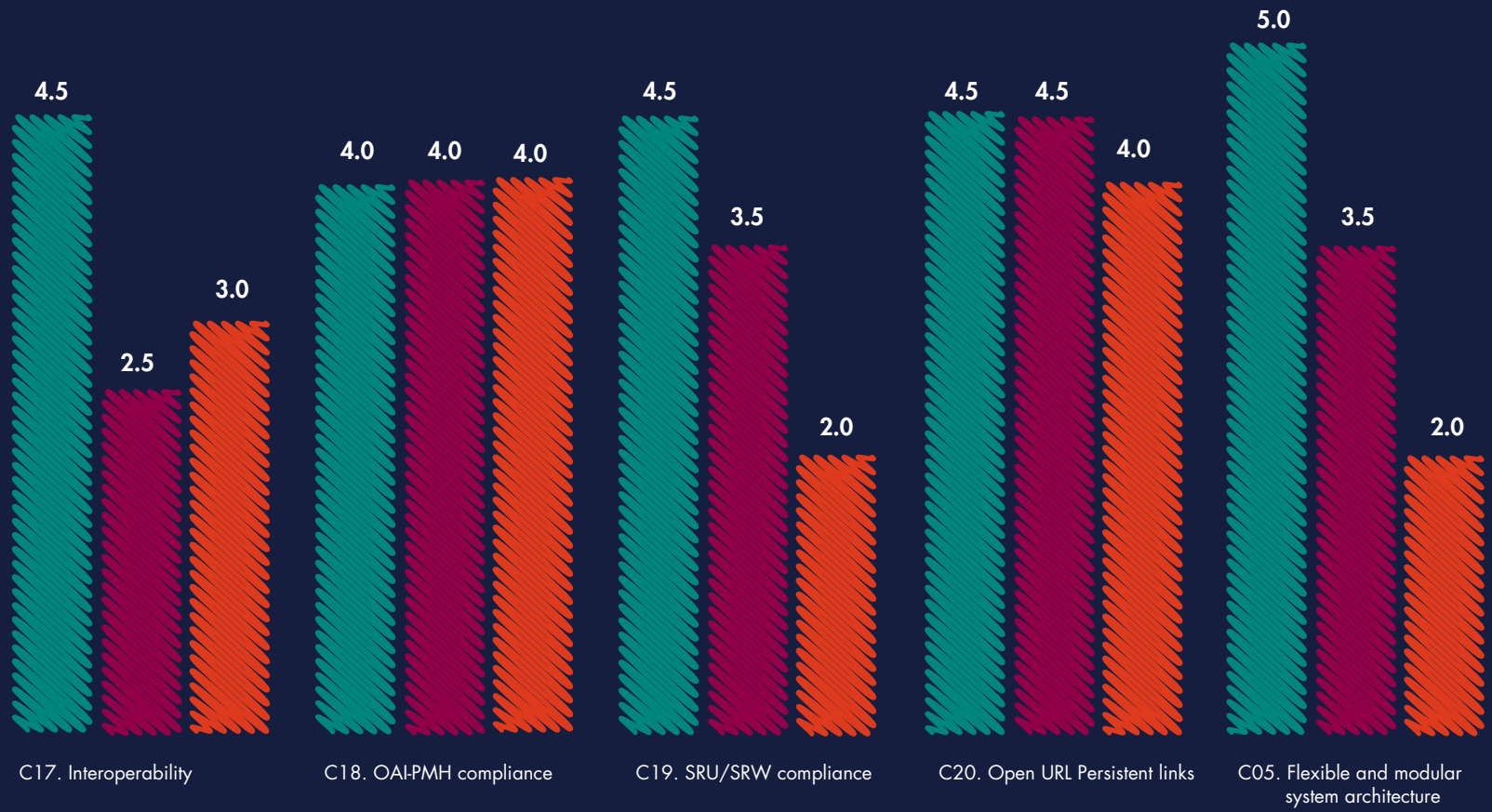
Community, Activity, Longevity, Support, Documentation & Security



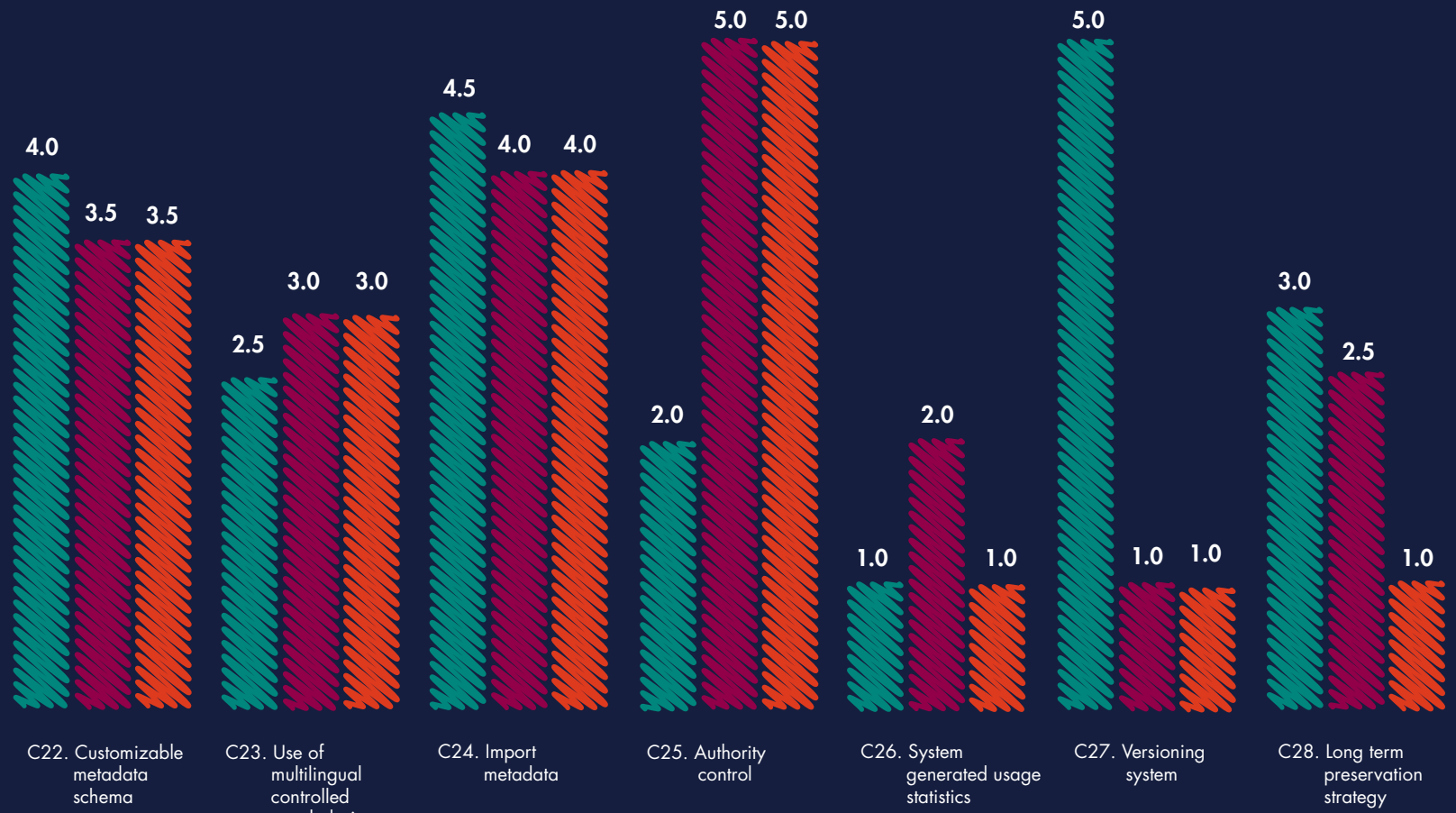
Functionality



Integration & Modularity



Metadata, Statistics & Reports, Preservation



Eprints Software

- Manages full text and metadata
- Easy full text upload
- Easy to install
- Development centralized by the University of Southampton
- Out of the box

DSpace

- Manages full text and metadata
- Easy upload of full texts
- Possibility to build collections
- Large and active user community
- Easy to install
- Strong preservation policy
- Out of the box

Fedora Commons

- Integration
- Preservation
- Modularity
- Enriched metadata management
- Security

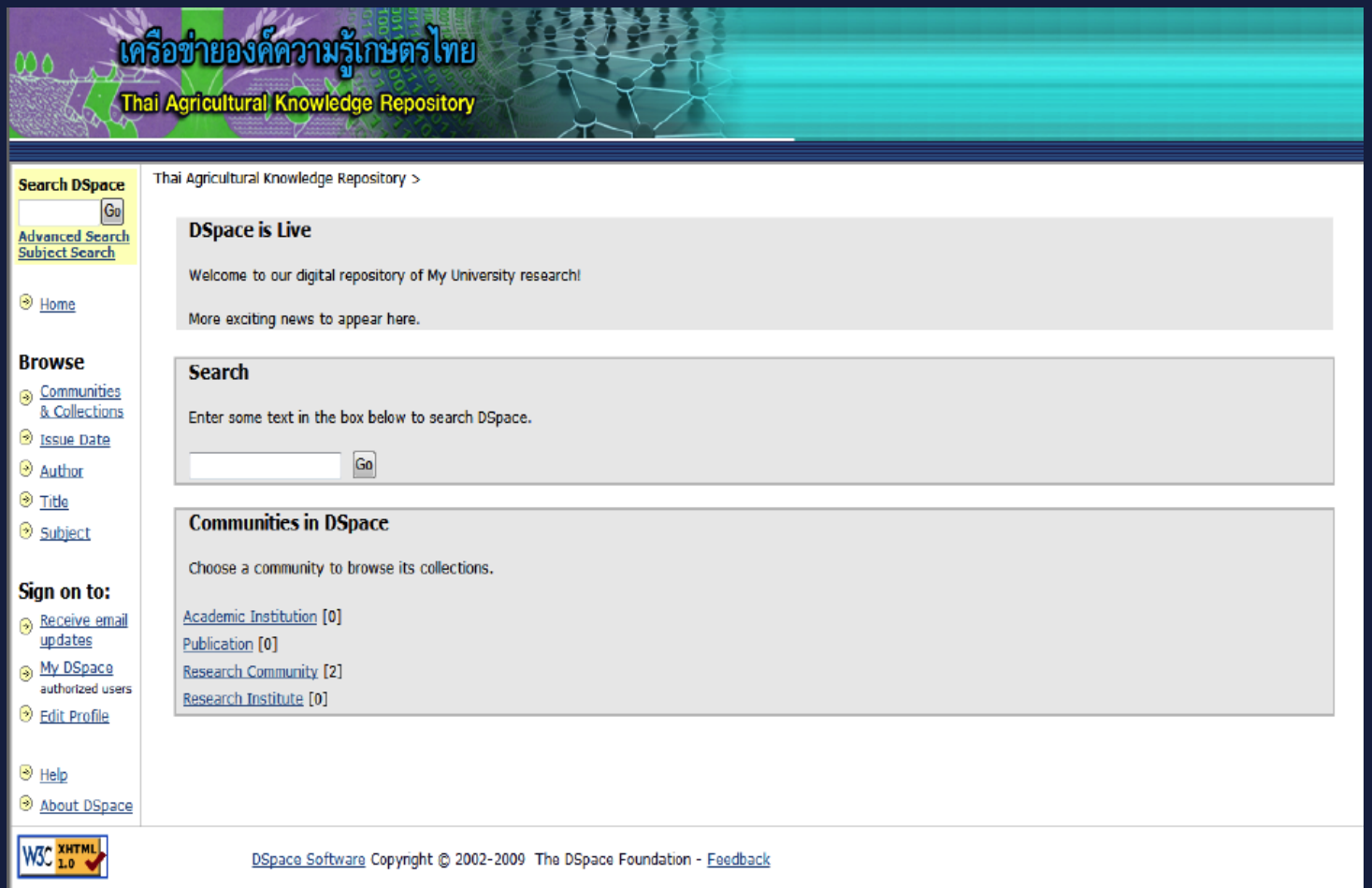
Use Cases

E-LIS, E-prints in Library and Information Science

http://eprints.rclis.org/

Thai Agricultural Knowledge Repository

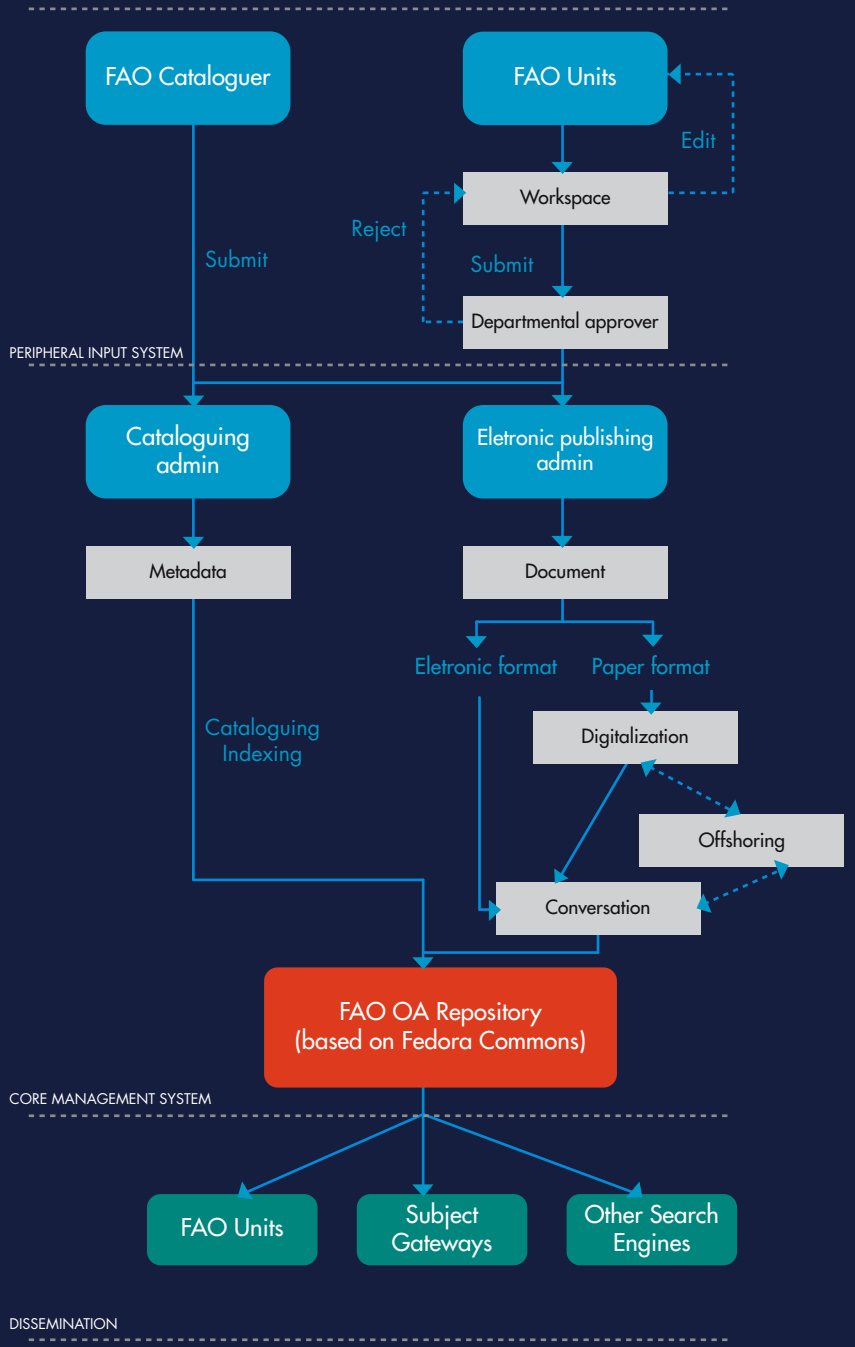
http://anchan.lib.ku.ac.th/jspui/



FAO Open Archive

Relationships between the digital objects [language versions, different editions and monographs/analytics]

Workflow integrating
- electronic publishing
- cataloguing.



Worldwide Usage

Usage of Open Access Repository Software

USAGE OF OPEN ACCESS REPOSITORY SOFTWARE
Worldwide

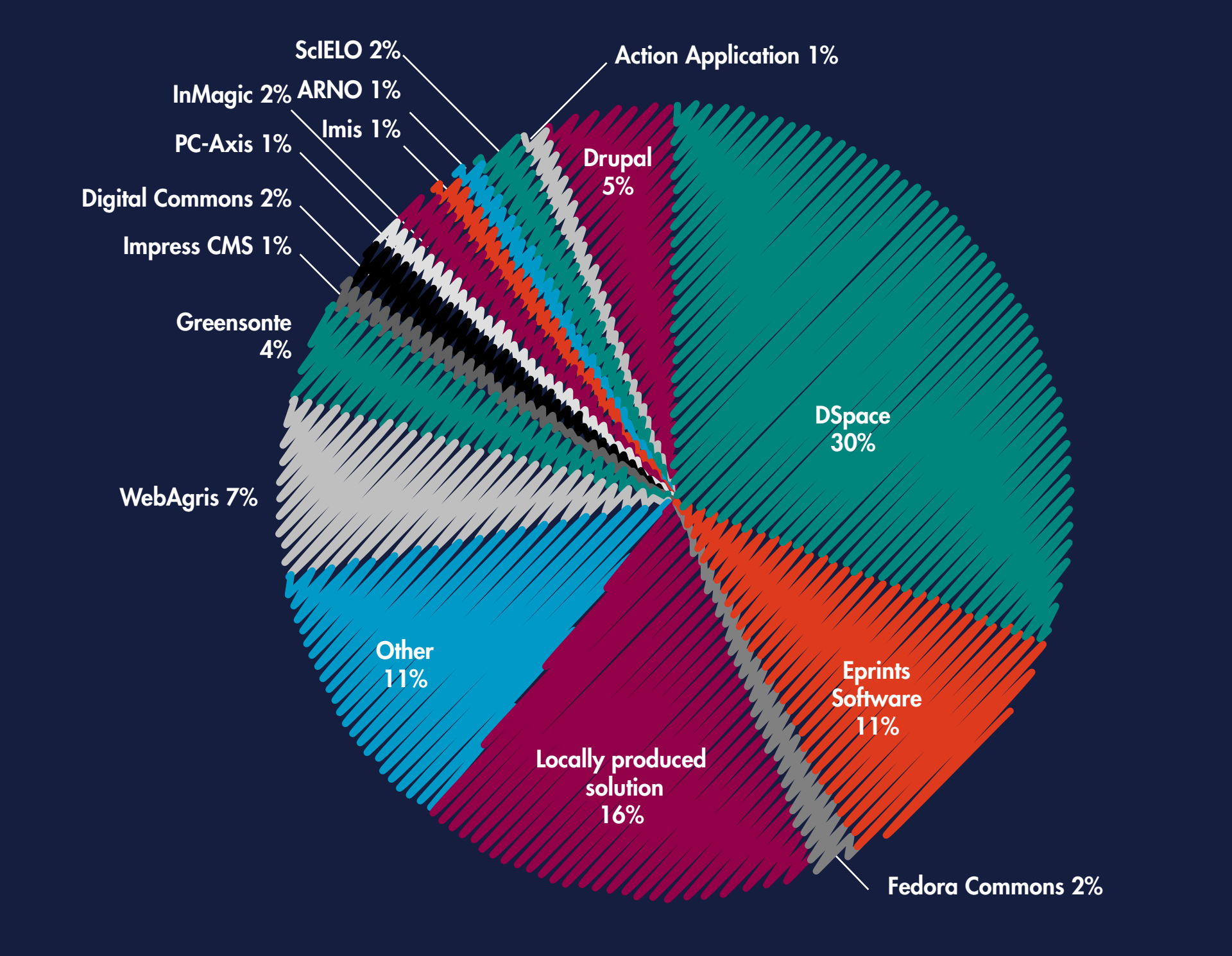
- DSpace (531 = 33%)
- (Unknown) (338 = 21%)
- EPrints (269 = 17%)
- Digital Commons (74 = 5%)
- OPUS (54 = 3%)
- Diva-Portal (23 = 1%)
- HTML (23 = 1%)
- Wildfire (23 = 1%)
- (65 Others) (285 = 18%)

OpenDOAR 21-Apr-210

TOTAL = 1620 repositories

Usage in Agriculture*

*Subirats, Imma; Dister, Sarah; Keizer, Johannes (2010) Use of Technology and Semantics in Open Access in Food, Agriculture, Development, Fisheries, Forestry and Natural Resources


SciELO 2%
Action Application 1%
InMagic 2%
ARNO 1%
Imis 1%
PC-Axis 1%
Drupal 5%
Digital Commons 2%
Impress CMS 1%
Greensonte 4%
DSpace 30%
WebAgris 7%
Other 11%
Eprints Software 11%
Locally produced solution 16%
Fedora Commons 2%

Thank you for your attention

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