



**AIMS**

A I M S

Open source software  
for building open access repositories

Imma Subirats Coll  
knowledge and information management officer  
FAO of the United Nations



A I M S

# 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 Virginia 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/>

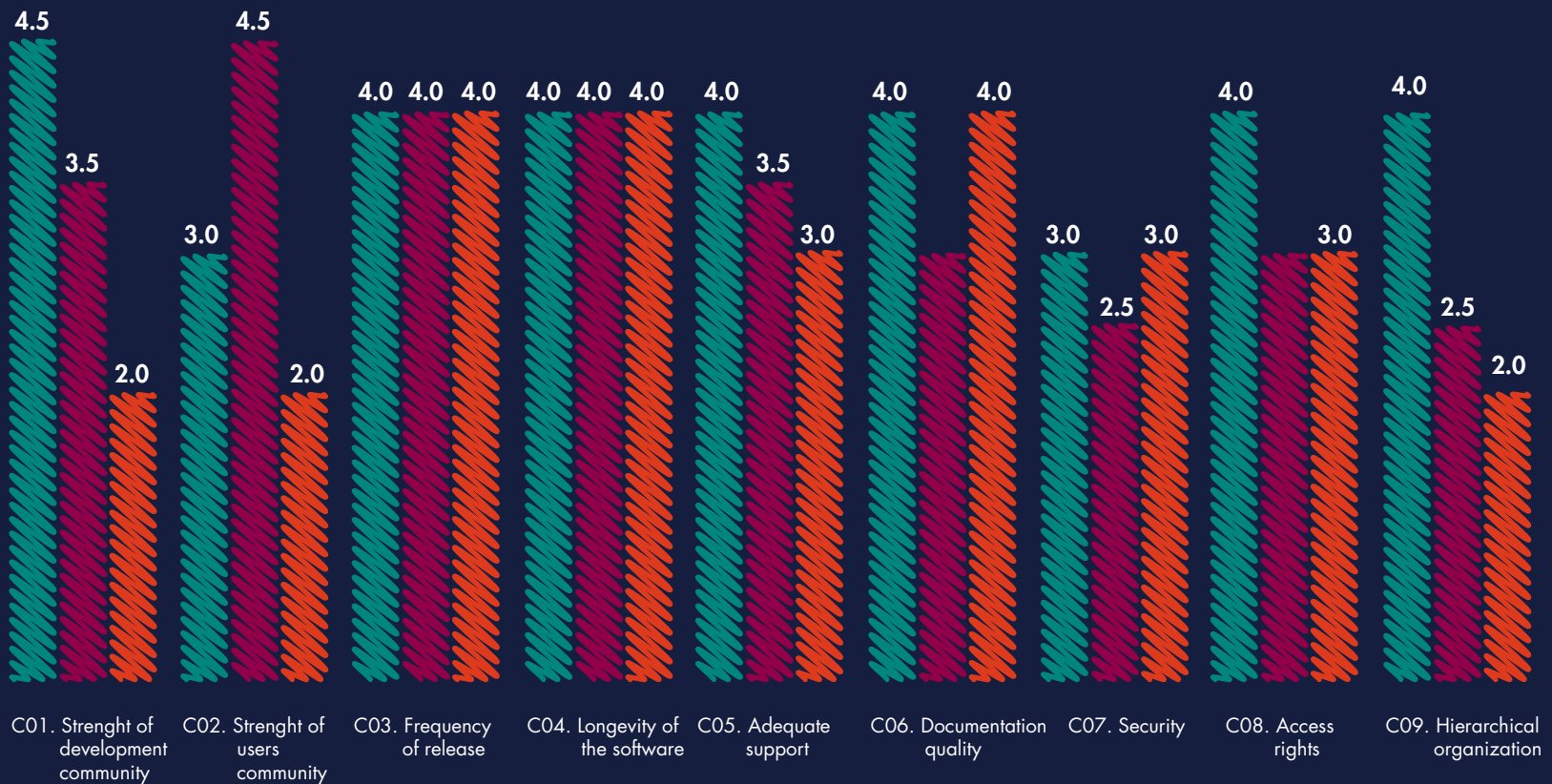


# Evaluation\*

\*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



Fedora

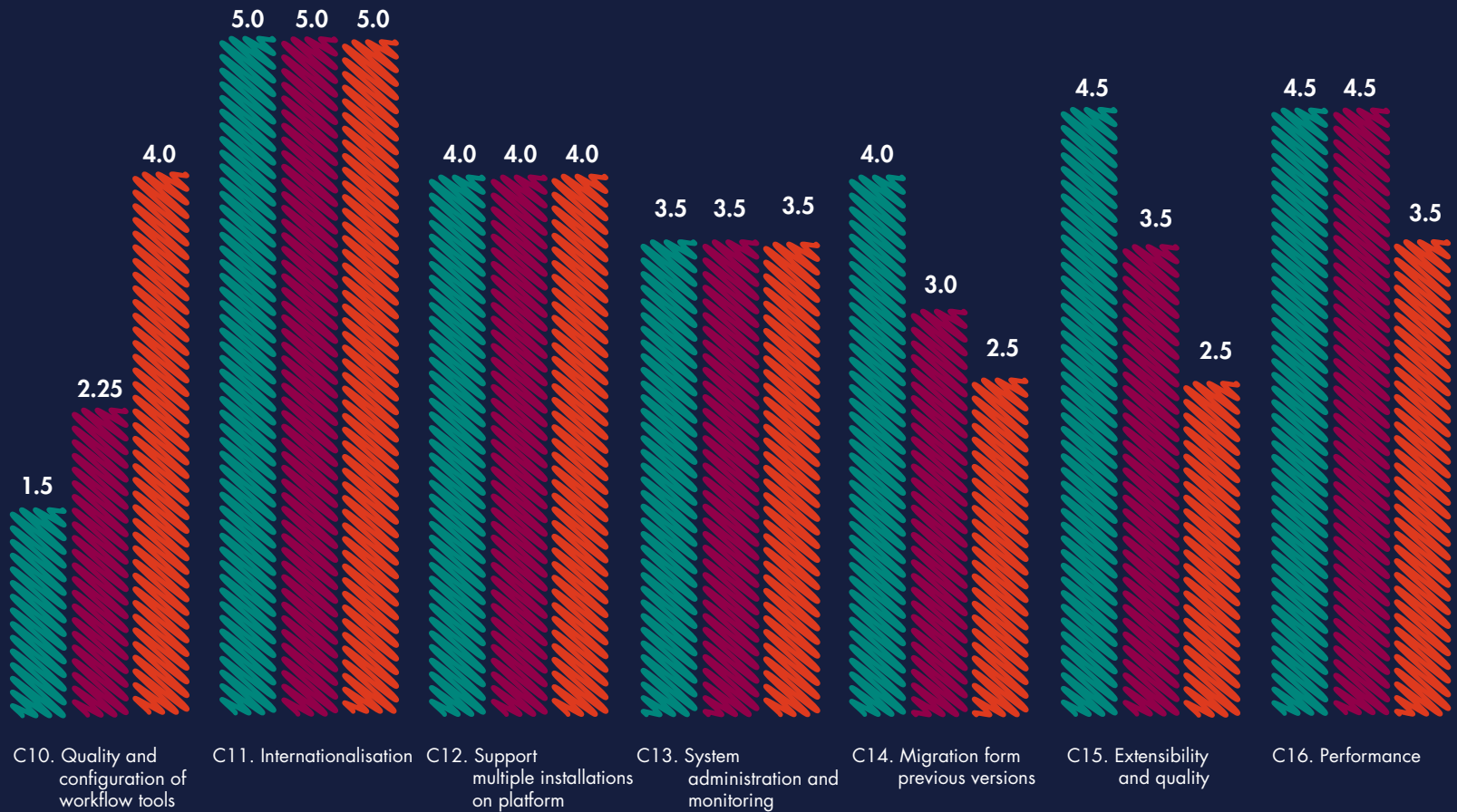


Dspace



Eprints

# Functionality



Fedora

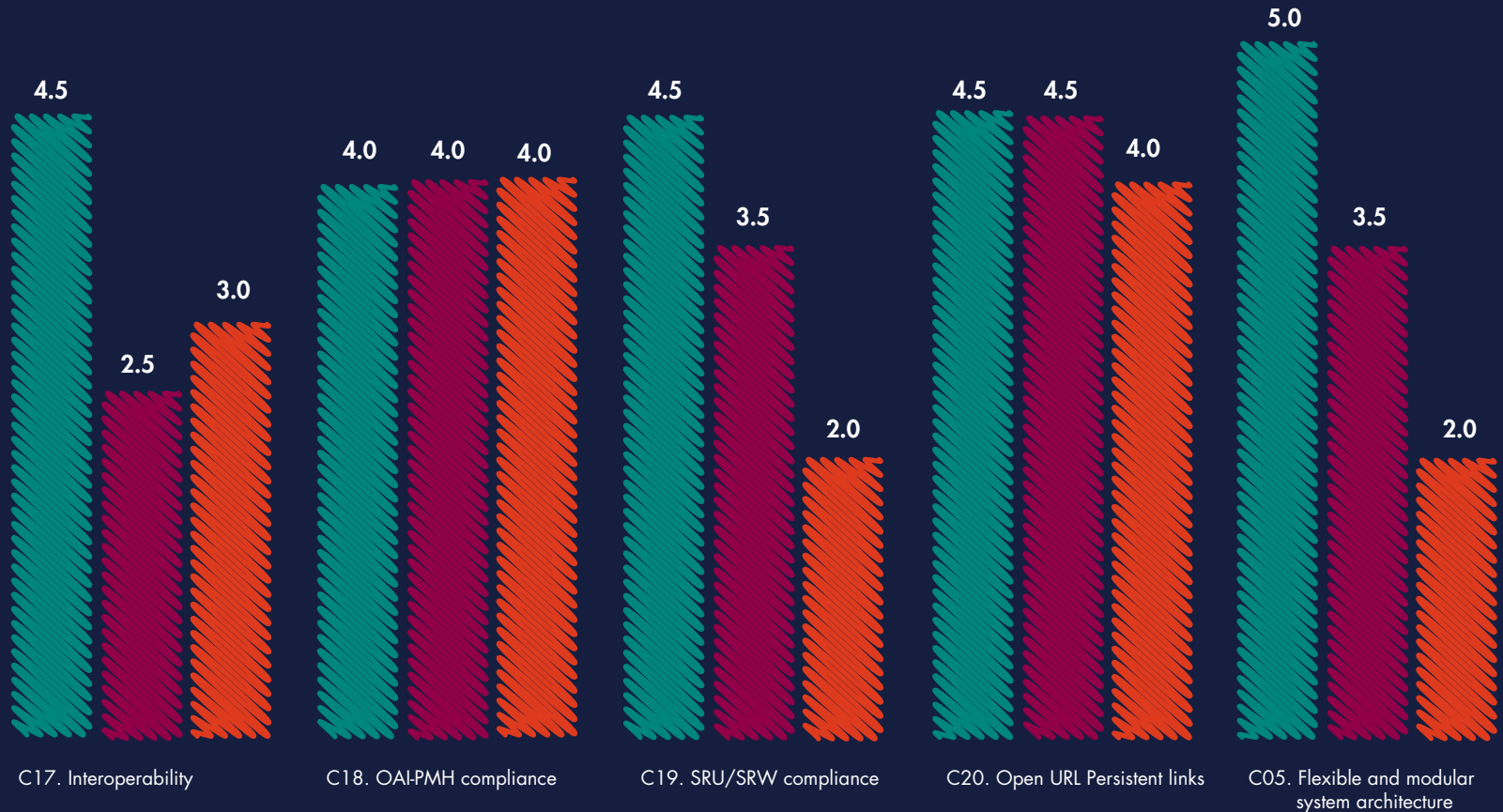


Dspace



Eprints

# Integration & Modularity



Fedora

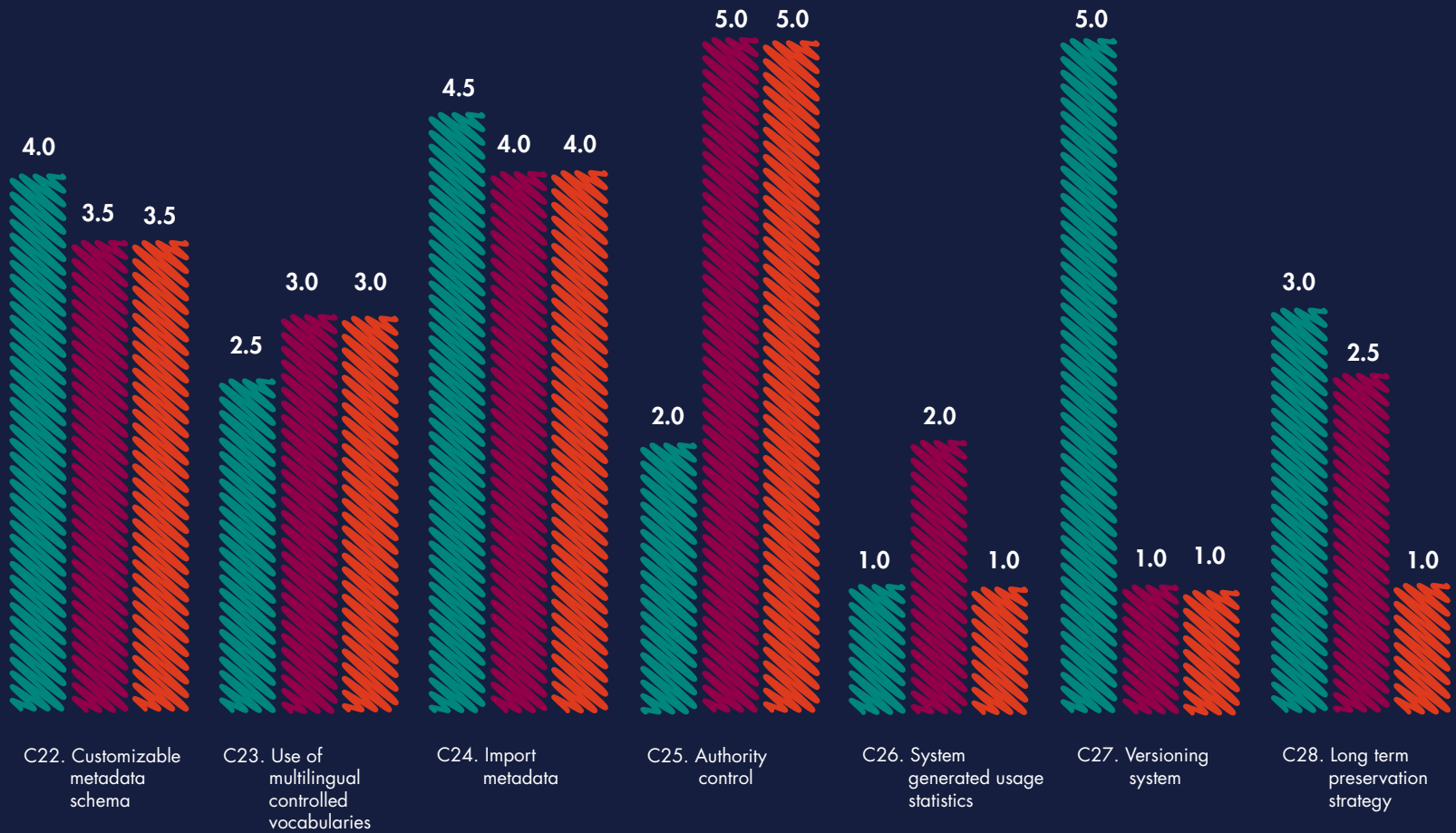


Dspace



Eprints

# Metadata, Statistics & Reports, Preservation



Fedora



Dspace



Eprints






# 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/>



E-prints in Library  
and Information Science

[eprints.rclis.org](http://eprints.rclis.org)

The international  
open archive for LIS

[home page](#) | [about E-LIS](#) | [browse](#) | [search](#) | [help](#) | [classification schema](#) | [submission guidelines](#) | [contact us](#) |

[Login/Your pages](#) | [Create Account](#)

## Welcome to E-LIS

We now have more than 10586 documents in our archive

E-LIS has been restored. Please note that e-mail alerts from the old version site have not been migrated to the new version, thus they should be re-created by the users. We have opened a Google group <http://groups.google.com/group/e-lis-e-prints-in-library-and-information-science> where you can ask about any doubt you might have concerning the new version of Eprints Software. We will also answer all questions published at <http://www.facebook.com/group.php?gid=6514269672>

### Recent submissions

- Greyson, Devon L. Non-biomedical sources for systematic reviews of pharmaceutical policy. *Journal of the Medical Library Association*, 2010, vol. 98, n. 1, pp. 85-87. [Journal Article (Print/Paginated)]
- Roggau, Zúñilda *Manuales escolares - Organizadores previos y herramientas de búsqueda*. [Preprint]
- Karina Toledo Solha, Solha, K. T. and Maia do Carmo Moreira Jacon, Jacon, M. C. M. Evaluación de revistas científicas electrónicas brasileñas de turismo: desafíos em busca de qualidade. *Estudios y Perspectivas en Turismo*, 2010, vol. 19, n. 2, pp. 182-200. [Journal Article (Print/Paginated)]
- Baeza-Yates, Ricardo and Rivera Loaliza, Cuahtémoc and Velasco Martín, Javier *Arquitectura de la información y usabilidad en la web. El Profesional de la Información*, 2004, vol. v.13, n. n°3, pp. 168-178. [Journal Article (Print/Paginated)]
- Dias, Rosângela de Cássia *A importância da ética para o profissional da informação: Um Estudo de Caso na Biblioteca do CCS "Ana Missako Yendo Ito"*, 2009 Monografia de Curso de Especialização thesis, Instituto Superior de Educação do Paraná. [Thesis]
- Ariola Navarrete, Oscar and Casanova Huerta, Araceli *Open Source, un futuro anhelado no presente en las bibliotecas*, 2010. In XLI Jornadas Mexicanas de Biblioteconomía, Zacatecas, México, 3-5 mayo, 2010. (In Press) [Conference Paper]
- Dias, Rosângela de Cássia *Doenças laborais em profissionais da informação: um estudo de caso na biblioteca do CCS "Ana Missako Yendo Ito"*, 2008 Trabalho de Conclusão de Curso thesis, Universidade Estadual de Londrina. [Thesis]
- Tomicella Morales, Raul G. and Hernández Manzón, Aldo and Huerta Espinosa, Victor M. *Perspectivas de la Infotecnología para la Editorial Universitaria en Cuba. Ciencias de la Información (Cuba)*, 2010, vol. 41, n. 1, pp. 3-10. [Journal Article (Print/Paginated)]

### Deposit

- Online submission
- Deposit by e-mail
- Submission policy
- Copyright issues
- Submission guidelines

### Looking for help?

- How to register
- Submission instructions
- Privacy policy
- Language options
- Brochures
- Related documents

### More information

- Number of eprints deposited

### About us

- Governance
- Editorial team
- Editors' tools
- Supporting organizations
- Volunteer opportunities
- Software developed



- Atom
- RSS 1.0
- RSS 2.0

### Search

How to?

Simple  Advanced

Title, Abstract, Creators, Date

Full text

### Browse by

- Author or Editor
- Subject
- Country
- Year
- Latest Additions

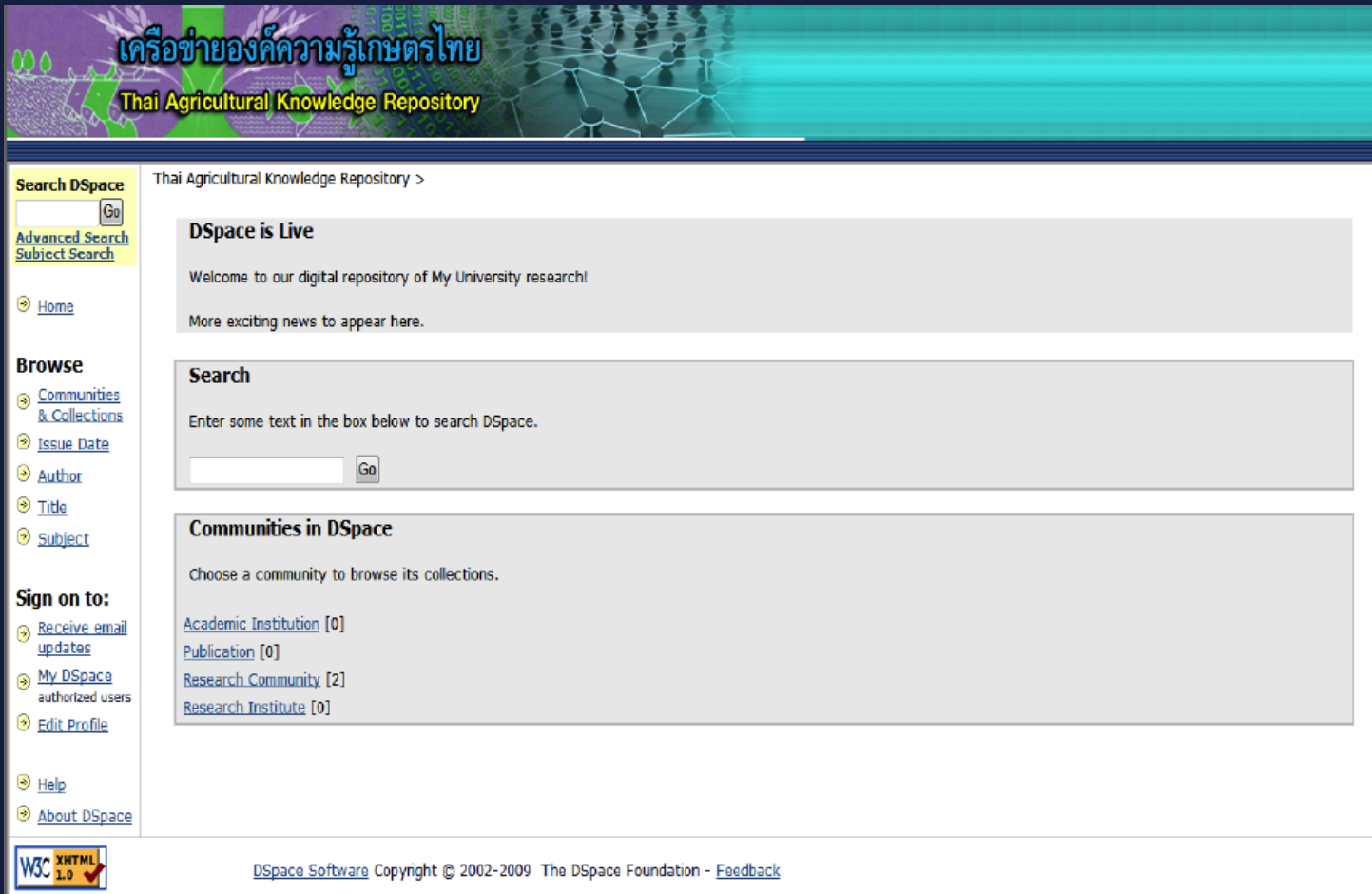
### Statistics

- Global statistics by month
- Global statistics by country

On each item you can see specific statistics.  
Last update: 21 Feb 2010

# Thai Agricultural Knowledge Repository

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



The screenshot displays the Thai Agricultural Knowledge Repository website. At the top, a banner features the Thai text "เครือข่ายองค์ความรู้เกษตรไทย" and the English text "Thai Agricultural Knowledge Repository" over a background of agricultural imagery and a network diagram. Below the banner, the page is organized into several sections:

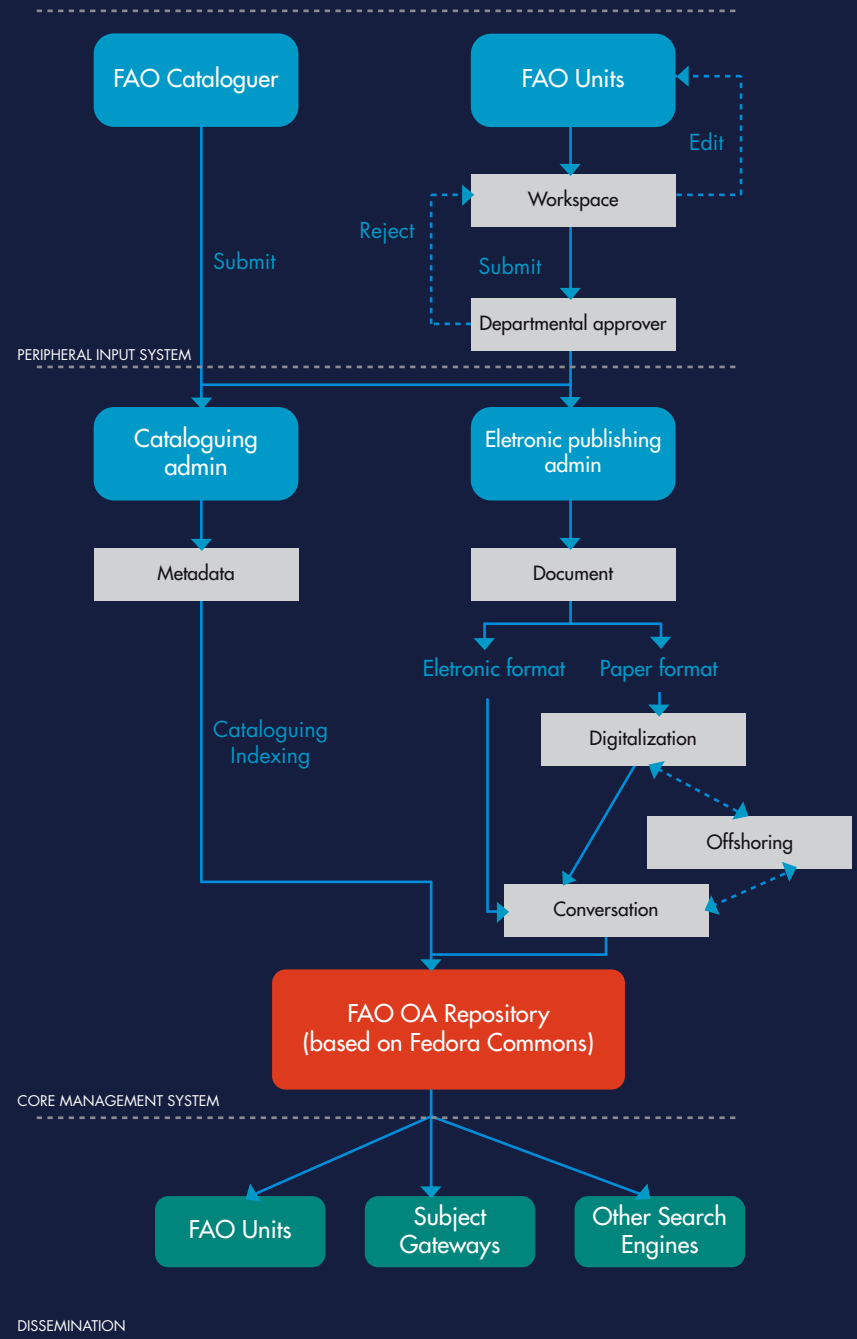
- Search DSpace:** Includes a search input field with a "Go" button, and links for "Advanced Search" and "Subject Search".
- Home:** A simple navigation link.
- Browse:** A list of navigation options: "Communities & Collections", "Issue Date", "Author", "Title", and "Subject".
- Sign on to:** Options for "Receive email updates", "My DSpace" (for authorized users), and "Edit Profile".
- Help:** Links for "Help" and "About DSpace".
- Main Content Area:**
  - DSpace is Live:** A welcome message: "Welcome to our digital repository of My University research! More exciting news to appear here."
  - Search:** A section with the instruction "Enter some text in the box below to search DSpace." and a search input field with a "Go" button.
  - Communities in DSpace:** A section titled "Choose a community to browse its collections." listing: "Academic Institution [0]", "Publication [0]", "Research Community [2]", and "Research Institute [0]".

At the bottom left, there is a "W3C XHTML 1.0" logo. At the bottom center, the footer text reads: "DSpace Software Copyright © 2002-2009 The DSpace Foundation - [Feedback](#)".

# FAO Open Archive

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

Workflow integrating  
electronic publishing  
cataloguing.





# Worldwide Usage

# Usage of Open Access Repository Software

USAGE OF OPEN ACCESS REPOSITORY SOFTWARE  
Worldwide

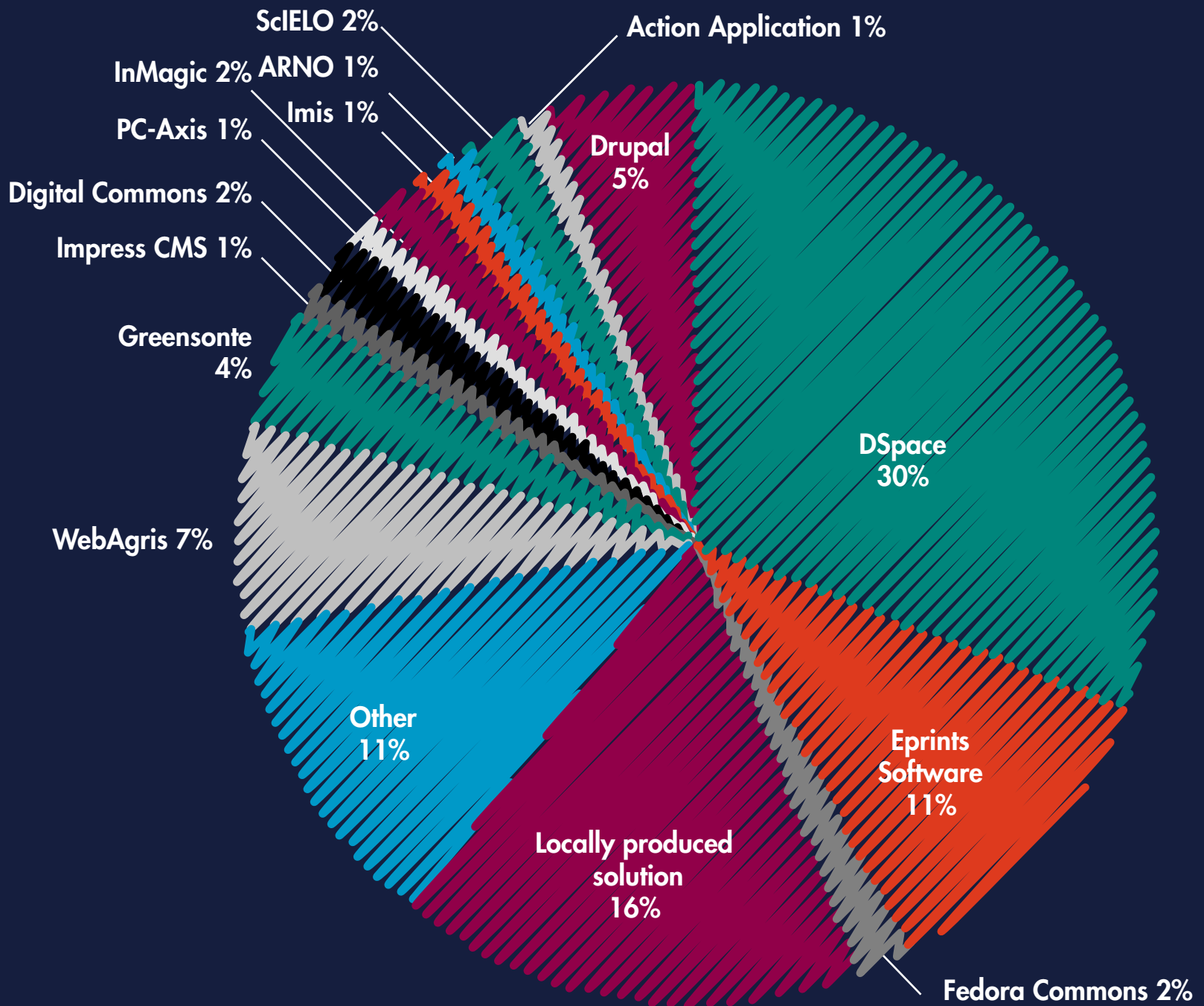


- DSpace (531 = 33%)
- (Unknown) (338 = 21%)
- EPrints (269 = 17%)
- Digital Commons (74 = 5%)
- OPUS (54 = 3%)
- Diva-Portal (23 = 1%)
- HTML (23 = 1%)
- Wildfire (23 = 1%)
- (65 Others) (285 = 18%)



# 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





Thank you for your attention

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