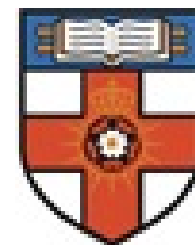




# Changing Platforms Open Repositories 2011



Imma Subirats (FAO of the UN)  
Richard M. Davis (ULCC)

# Changing Platforms

Parallel case studies of repository platform migration projects

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

- Large international subject repository (12,000 full texts)
- Managed and administered by volunteer effort
- Supported and hosted by CILEA
- Migrated from EPrints to DSpace in 2010

SAS-Space: School of Advanced Study (University of London)

- Small institutional repository (1000-2000 full text articles)
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- Supported and hosted by ULCC
- Migrated from DSpace to EPrints in 2010



# E-LIS on EPrints 2003 - 2010



E-prints in Library  
and Information Science



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

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## Welcome on E-LIS

We now have more than 11202 documents in our archive

E-LIS use Eprints. There is a Google group <http://groups.google.com/group/e-lis-e-prints-in-library-and-information-science> where you can ask any questions you might have concerning E-LIS. We will also answer all questions published at <http://www.facebook.com/group.php?gid=5514259572>

### Recent submissions

- Pakdaman Naeeni, Maryam and Asnafi, Amir Reza *Evaporation of Information in Data Transition Process.*, 2009 . In ICITE 2009, Kota Kinabalu, Malaysia, 2009, 13-15 November. [Conference Poster]
- Sharif, Atefeh *Combining Ontology and Folksonomy: An Integrated Approach to Knowledge Representation.*, 2009 . In Emerging trends in technology: libraries between Web 2.0, semantic web and search technology, Italy, August 19-20. [Conference Paper]
- Uribe-Tirado, Alejandro La Alfabetización Informacional en Iberoamérica. (English) Information Literacy in Ibero-America: Spain, Portugal and Latin America. *IBERSID: Revista de Sistemas de Información y Documentación*, 2010, vol. 2010, pp. 165-176. [Journal Article (Print/Paginated)]
- Silva, Eduardo Graziosi and Boccato, Vera Regina Casari *Avaliação do uso de catálogos coletivos de bibliotecas universitárias pela perspectiva do usuário: um estudo sociocognitivo com protocolo verbal.*, 2010 . In XVI Seminário Nacional de Bibliotecas Universitárias e II Seminário Internacional de Bibliotecas Digitais - Brasil, Rio de Janeiro, 17 a 22 de outubro de 2010. [Conference Paper]
- Lluéca, Ciro and Cócera, Daniel and Torres, Natalia and Suades Méndez, Gerard and de-la-Vega-Sivera, Ricard *CAT (Curator Archiving Tool): improving access to web archives = CAT (Curator Archiving Tool): mejorando el acceso a los archivos web.*, 2010 (In Press) [Report]
- Candás-Romero, Jorge *Professional Ethics and Libraries: a brief overview of Current Issues in Spain.*, 2010 . In 4 Leipziger Kongress für Information und Bibliothek, Leipzig, 16/03/2010. [Presentation]
- Candás-Romero, Jorge *Ética profesional en Biblioteconomía.*, 2010 PhD thesis thesis, Universidad Carlos III de Madrid. [Thesis]
- Hassan-Montero, Yusef *Visualización de Información Persona-Ordenador. Propuesta algorítmica para la ordenación espacial de grafos.*, 2010 PhD thesis thesis, Universidad de Granada. [Thesis]

### 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



### 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

# E-LIS: Migration

**Why?**

# E-LIS: Migration

*Technical specialists willing and able to voluntarily host and support the repository were only available from the DSpace community*

# E-LIS: Migration

# How?

# E-LIS: Migration

## **Recreate and reimplement in DSpace....**

### **1. Repository setup**

- Customised layout
- Structure
- Communities
- Collections
- Workflows
- Indexes
- Search options



# E-LIS Migration

## Co-ordinate...

### 2. Migration of...

- Contents
- Metadata
- Full-text items (over 11,000)
- Statistical data (nearly 13 million records)
- Users accounts

### 3. Redirection of URLs

- No persistent item ID in EPrints
- New item IDs (Handles) in DSpace

# E-LIS Migration: Outcomes



- Content migrated successfully
- User accounts migrated successfully (but different login procedure necessary)
- Continuity of service through upgrade period



- Access to full-text download statistics
- End-user usability issues (e.g. full record view)
- Editor usability issues (e.g. edit-item)
- Workflow less flexible than EPrints



- Fewer administrator functions (e.g. search of all work areas)
- Some EPrints features still unimplemented

# E-LIS: Now!



E-prints in Library  
and Information Science

eprints.rclis.org

The international  
open archive for LIS

## Search DSpace

Advanced Search

Home

## Browse

- Author
- Conferences
- Countries
- Journals/Books
- Subjects
- Submit Date
- Title
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## Sign on to

- Receive email updates
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## About us

- About E-LIS
- Governance
- Supporting organizations
- Volunteer opportunities
- The Acropolis Strategy

E-LIS. E-prints in Library and Information Science >

## Welcome to E-LIS

We now have **11833** documents in our archive

## Recent submissions

- Gómez-Díaz, R. Estudio de la incidencia del conocimiento lingüístico en los sistemas de recuperación de la información para el español, 2001. (Published) [Thesis].
- Liang, A., & Sini, M. Mapping AGROVOC and the Chinese Agricultural Thesaurus: Definitions, tools, procedures, 2006. In New Review of Hypermedia and Multimedia. (Published) [Journal Article (Print/Paginated)].
- Giordano, T. Preservación y gestión de las colecciones digitales en transición: La memoria frágil, 2007. In XIV Coloquio Internacional de Bibliotecarios "Infodiversidad: la biblioteca como centro multicultural", Guadalajara (Mexico), 26-28 November 2007. Universidad de Guadalajara. (Published) [Conference Paper].
- Soonho, K., Iglesias Sucasas, M., Caracciolo, C., et al. Software architecture for managing the Fisheries ontologies lifecycle, 2007. (Published) [Guide/Manual].
- De Robbio, A., Mornati, S., Peset, F., et al. Developing methods for extending repository services to increase the accessibility of OA documents in Library and Information Science, 2011. In LIBER 40th Annual Conference, Barcelona (Spain), 29 June - 2 July 2011. (Published) [Conference Poster].
- Hulden, M. A Practical Approach on Creating a Restricted Ontology for Crop Wild Relatives, 2007. (Published) [Report].
- Caracciolo, C., D'Aquin, M., Sabou, M., et al. Results from experiments in ontology learning including evaluation and recommendation, 2007. (Published) [Report].
- Sini, M., Johannsen, G., & Salokhe, G. Basic guidelines for managing AGROVOC, 2007. (Published) [Guide/Manual].
- Stuempel, H., Salokhe, G., Aubert, A., et al. Metadata application profile for agricultural learning resources, 2007. In Metadata and Semantic Research (MTR) Conference, Cardiff (Greece), 11-13 October

## Looking for help?

- How to deposit
- Online submission
- E-mail submission
- Submission guidelines
- FAQ

## Before submitting your papers

- Submission policy
- Copyright policy
- Privacy policy
- Preservation policy

## More about E-LIS

- JITA
- E-LIS Editor's tools

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# Changing Platforms

Parallel case studies of repository platform migration projects

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# SAS-Space 2006 - 2010

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SAS-SPACE is the digital repository for the [School of Advanced Study](#).

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SAS-SPACE is also the platform for digital collections and archives of individuals, scholarly societies and other bodies associated with the School.

**Search**

Enter some text in the box below to search SAS-Space.

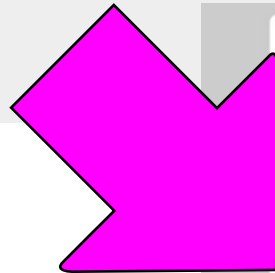
**Communities in SAS-Space**

Choose a community to browse its collections.

- [Institute for the Study of the Americas](#)
- [Institute of Advanced Legal Studies](#)
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- [Institute of English Studies](#)
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Enter your search criteria above to find digital collections and archives from the ten Institutes that comprise the School of Advanced Study and other scholarly organisations relating to history, law, classics, philosophy, music and the study of English and European languages and literatures.

**Latest additions**

- 1) Buried Treasure: some lesser-known items in the Institute of Advanced Legal Studies
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# SAS-Space on DSpace 2006 - 2010



About DSpace Software

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# SAS-Space: Migration

**Why?**

# SAS-Space: Migration

- Repository needed refreshing: identified need for aesthetic and functional enhancements and improved integration (e.g. LDAP, institutional Web sites)
- Repository manager and users' reservations about DSpace GUI design issues still present in 1.6 - extensive (expensive) customisation work necessary
- Available expertise and experience in ULCC was with EPrints (already hosting or supporting 10 other EPrints repositories)
- EPrints 3.1 instances available to demonstrate features for users and administrators
- Availability of value-add plugins for EPrints: IRStats, SNEEP, MePrints



# SAS-Space: Migration

# How?

# SAS-Space: Migration

- DSpace command line export tool generated packages containing metadata and digital objects
- XSLT and scripts to transform DSpace DC into EP3 XML
- EPrints import tool to load metadata and import data objects
- Scripted and manual validation of import
- DSpace Subjects (uncontrolled keywords) cleaned up and mapped to new EPrints subject tree
- DSpace Communities/Sub-Communities mapped to EPrints Divisions (organisational structure)
- DSpace Collections implemented using additional "subject" field
- Set up LDAP authentication for user accounts
- New visual design commissioned from external Web design team

# SAS-Space: Migration

## The Handle problem

- DSpace handles Handle 'out of the box'
- EPrints does not have built in Handle support

But do we even need Handle?

We operate the SAS.AC.UK domain. Is it an insurance policy we don't need?

TBL: [Cool URIs don't change](http://www.w3.org/Provider/Style/URI)  
<http://www.w3.org/Provider/Style/URI>



# SAS-Space: Migration

## Our Handle solution

EPrints import option "enable-import-ids" ensures item ID is the same as in DSpace

```
$ ./eprints3/bin/import sasspace2dev --enable-import-ids --  
enable-file-import --force archive XML $item_id/eprints-  
metadata.xml
```

Apache redirect - trivial regex in apachevhost.cfg:

```
RewriteRule ^/dspace/handle/10065/([0-9]+)$ /$1 [R=permanent,L]
```

Old ones still current, but we don't coin any new ones!

# SAS-Space 2010 -



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# Repository platforms:

## Decisions, decisions

Motivations for choosing repository platform?

- Features
  - Metadata formats
  - User interface
  - Import/export tools
  - Interoperability
  - Searching
  - Reporting
  - Web 2.0 features
- Cost
  - Licencing
  - TCO

# Decisions, decisions

## JISC Repository Support Project (www.rsp.ac.uk)

### Repository software survey, November 2010

#### Product Comparison Table

##### Key and notes

Click on product name column headings to see individual data sheets with further data, links, and exemplar repositories.

Feature	CONTENTdm	Digital Commons	DigiTool	DSpace	EPrints	EQUELLA Repository	Fedora	Islandora/Fedora	IntraLibrary	Open Repository	Zentity
License Cost:	Commercial	Commercial	Commercial	Free	Free	Commercial	Free	Free	Free	Commercial	Free
Product Type:	Software	Hosted service	Software	Software	Software	Software	Software	Software	Software	Hosted service	Software

#### Support

Free (community) Support:	-	-	-	Free - community	Free - community	-	Free - community	Free - community	-	Free - community	-
Free (direct) Support:	-	-	-	-	-	-	-	-	-	Free - direct	Free - direct
Not-for-profit Paid Support:	-	-	-	-	-	-	-	-	-	-	-
Commercial Paid Support:	Commercial	Commercial	Commercial	Commercial	Commercial	-	-	Commercial	Commercial	With license	-
Update Cost (minor revisions):	With support	With license	With support	Free	Free	With license	Free	Free	Commercial	With license	Free
Update Cost (major revisions):	With support	With license	With support	Free	Free	With license	Free	Free	Commercial	With license	Free

#### Supported Item Types (Storage and rendition)



# Repository platforms:

## Decisions, decisions

Motivations for choosing repository platform?

- Community
  - Available skills and expertise
  - Trusted relationships
  - Sustainability

# Changing Platforms: Some Conclusions

EPrints and DSpace have some differences in 'added value' repository features, but both "*share the **idea** of repository (sustainability, accessibility, responsibility)*" (Les Carr)

Common approach to essentials makes migration of content (objects and metadata) relatively straightforward

The right solution in any instance is the one that is the best fit to all criteria - including available technical skills and resources.

Avoid platform-related silos: continue to build on common history and heritage of all OS OA platforms to work together towards common goals

# Keep Stuff Safe!



R



B



Y

(but accessible too)

# Credits

Thanks to

- Andrea Bollini (CILEA)
- Dr Peter Webster (Institute of Historical Research, UL)

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\*