



# DSpace @MIRE

Exposing Digital Content Online  
with DSpace

Bram Luyten

# Agenda

---

- 1 - DSpace examples & features
- 2 - Architecture
- 3 - @MIRE services & add-on Modules
- 4 - Questions

# DSpace

---

Enables institutions to  
**DISTRIBUTE**  
Publications and other Digital Content  
**ONLINE**

and

Enhancing efficiency of in-house reporting on  
Publishing activities.

# Examples



The screenshot shows the IDRC Digital Library website. The header includes the IDRC logo, the text 'The International Development Research Centre', 'DIGITAL LIBRARY', and the Canadian flag. A search bar is located on the left, along with navigation links for Home, English, and français. Below these are sections for 'Browse' (Communities & Collections, Titles, Authors, Subjects, Date) and 'Sign on to:' (Receive email updates, My DSpace authorized users, Edit Profile, Help, About the IDRC Digital Library, Conditions of Use, IDRC Library). The main content area is titled 'IDL-BNC @ IDRC >' and 'Communities and Collections'. It contains a list of communities and collections, including 'Agriculture and Food Security (AFS) / Agriculture et sécurité alimentaire (ASA)' and 'Audio-visual / Audio-visuel'. A URL is provided at the bottom right: <http://idl-bnc.idrc.ca/dspace/handle/10625/454>.

IDRC  CRDI

The International Development Research Centre

DIGITAL LIBRARY

Canada

Search IDL  
  
Go  
[Advanced Search](#)

Home  
English  
français

**Browse**

- Communities & Collections
- Titles
- Authors
- Subjects
- Date

**Sign on to:**

- Receive email updates
- My DSpace authorized users
- Edit Profile
- Help
- About the IDRC Digital Library
- Conditions of Use
- IDRC Library

[IDL-BNC @ IDRC >](#)

## Communities and Collections

Shown below is a list of communities and the collections and sub-communities within them. Click on a name to view that community or collection home page.

- [Agriculture and Food Security \(AFS\) / Agriculture et sécurité alimentaire \(ASA\)](#)
  - [Eastern and Southern Africa / Afrique orientale et australe](#) [6]
  - [Global / Échelle mondiale](#) [3]
  - [Latin America and the Caribbean / Amérique latine et Caraïbes](#) [75]
  - [Middle East and North Africa / Moyen-Orient et Afrique du Nord](#) [0]
  - [Research Results \(AFS\) / Résultats de recherches \(ASA\)](#) [89]
  - [South Asia and China / Asie du Sud et Chine](#) [1]
  - [Southeast and East Asia / Asie du Sud-Est et de l'Est](#) [0]
  - [West and Central Africa / Afrique de l'Ouest et du Centre](#) [0]
  - [Canadian International Food Security Research Fund / Fonds canadien de recherche sur la sécurité alimentaire internationale](#)
    - [Research Results \(CIFSRF\) / Résultats de recherches \(FCRSAI\)](#) [0]
- [Audio-visual / Audio-visuel](#)
  - [Photographs / Photographies](#) [243]
  - [Videos / Vidéos](#) [385]
- [Canadian Partnerships \(CP\) / Partenariats canadiens \(PC\)](#)
  - [Research Results \(CP\) / Résultats de recherches \(PC\)](#) [144]

<http://idl-bnc.idrc.ca/dspace/handle/10625/454>

# Examples



Search

[Register or Login](#) | [Contact us](#) | [Advanced Search](#)

[DSpace at Cambridge](#)

DSpace@Cambridge is the institutional repository of the University of Cambridge. The repository was established in 2003 to facilitate the deposit of digital content of a scholarly or heritage nature, allowing academics and their departments at the University to share and preserve this content in a managed environment.

For more information on DSpace@Cambridge's services please visit the [support web site](#).



## Search

[→](#)

[→](#) [Advanced Search](#)

## Browse...

[→](#) [Communities & Collections](#)

[→](#) [Author](#)

[→](#) [Title](#)

[→](#) [Type](#)

## Deposit

[→](#) [Login / My DSpace](#)

[→](#) [Deposit guide](#)

[→](#) [New user registration](#)

## Help & information

[→](#) [Help](#)

[→](#) [About DSpace@Cambridge](#)

[→](#) [DSpace user information](#)

[→](#) [Open access](#)

## Recent Submissions

[An Interview About Poverty](#)

[Intellectual Property Rights and Research Data: Focus on copyright](#)

[The Timescapes Archive: A case study for managing, sharing, and preserving sensitive personal data](#)

[An Interview About Experiencing Poverty](#)

[A Circle Dancing Song at the New Year Celebrations](#)

## News

We participated in a **successful workshop** on **Managing your Digital Research Data** on 10th February.

**New project initiative EPIC** will investigate ways of improving the preservation services currently provided with DSpace@Cambridge.

**Subscribe to DSpace@Cambridge newsletter**



# Examples

**Digital Thesaurus of Primary Sources for Greek History and Culture**

EIE  
NATIONAL HELLENIC RESEARCH FOUNDATION

ΕΘΝΙΚΟ ΙΔΡΥΜΑ ΕΡΕΥΝΩΝ  
1956

ΠΑΝΔΕΚΤΙΣ

Navigation  
-----Choose Collection-----

Search  
Advanced Search

- Modern Greek Visual Prosopography
- Travel Literature on Southeast Europe and the Eastern Mediterranean 15th-19th centuries
- Greek Cartography: the Documents
- Name Changes of Settlements in Greece
- Heraldic database of Greece
- Greek Painters after the Fall of Constantinople
- People employed in Further, Secondary and Primary Education (19th c.)
- Greek Press in Abroad
- Industrial establishments and workshops in the Aegean
- Monastic Archives. Documents from Mount Athos and Patmos
- Ancient Greek and Latin inscriptions from Upper Macedonia, Aegean Thrace and Achaia
- Macedonian Kingdom: The bronze coinage

**Pandektis**

ΕΝΤΡΑΜΜΑ ΠΕΡ.ΘΑΙΚΩΝ  
ΕΒΔΟΜΑΔΙΑΙΩΝ

ΟΡΟΓΡΑΦΙΑ  
ΠΕΡΙ ΤΗΣ  
ΠΕΝΤΕΛΟΝΝΗΣΟΥ  
ΟΡΕΑΣ

Πεύκη  
Στρούτζια

# Examples

The screenshot shows the homepage of the West Texas Digital Archives. At the top right, there are links for "Home | Help | Login". The main header features the text "WEST TEXAS Digital Archives" in a serif font, with a graphic of three stars above "TEXAS". Below the header is a large banner image of a group of people on horseback in a historical setting. A search bar is located on the right side of the banner, with a "Search" button and a link to "Advanced Search".

On the left side, there are two main navigation sections:

- Browse**: A dropdown menu with options: "Entire repository", "Libraries & Collections", "By Issue Date", "Authors", "Titles", and "Subjects".
- My Account**: A dropdown menu with options: "Login" and "Register".

The main content area features a large heading "West Texas Digital Archives" and a welcome message: "Welcome to the digital repository project of the Abilene Library Consortium. Read more...". Below this is a featured image of a building with arches, titled "Ice Building" from the "Abilene Photograph Collection". The image includes a small viewer control overlay in the bottom right corner with icons for zoom (+, -), print, and refresh.

# DSpace Benefits

---

- **Metadata Structure is manageable**
  - More structure than a website
  - Less complicated than a library catalogue
- **Full system out-of-the-box**
  - No heavy customization required
  - Quick installation
- **Platform independent**
  - Server runs on both Linux & Windows
  - End users can use a modern web browser
- **Interface available in many languages**

# Arthur Benjamin does "Mathemagic"

Benjamin, Arthur

URI: [http://www.ted.com/talks/arthur\\_benjamin\\_does\\_mathemagic.html](http://www.ted.com/talks/arthur_benjamin_does_mathemagic.html)

Date: 2007-12

## Abstract:

In a lively show, mathemagician Arthur Benjamin races a team of calculators to figure out 3-digit squares, solves another massive mental equation and guesses a few birthdays. How does he do it? He'll tell you.

## Description:

Arthur Benjamin makes numbers dance. In his day job, he's a professor of math at Harvey Mudd College; in his other day job, he's a "Mathemagician," taking the stage in his tuxedo to perform high-speed mental calculations, memorizations and other astounding math stunts. It's part of his drive to teach math and mental agility in interesting ways, following in the footsteps of such heroes as Martin Gardner. Benjamin is the co-author, with Michael Shermer, of *Secrets of Mental Math* (which shares his secrets for rapid mental calculation), as well as the co-author of the MAA award-winning *Proofs That Really Count: The Art of Combinatorial Proof*. For a glimpse of his broad approach to math, see the list of research talks on his website, which seesaws between high-level math (such as his "Vandermonde's Determinant and Fibonacci SAWs," presented at MIT in 2004) and engaging math talks for the rest of us ("An Amazing Mathematical Card Trick"). "After his lively shows, students often rush the stage, eager for more tips and tricks." *Reader's Digest*

[Show full item record](#)

## Files in this item



**Name:** ArthurBenjamin\_20 ...

**Size:** 50.23Mb

**Format:** Unknown

[View/Open](#)



**Name:** Arthur\_Benjamin.jpg

**Size:** 10.00Kb

**Format:** JPEG image

**Description:** Presenter Photograph, ...

[View/Open](#)



SERVICE  
PROVIDER

# Full item view

<b>dc.contributor.author</b>	Benjamin, Arthur	
<b>dc.date.accessioned</b>	2010-12-09T15:31:16Z	
<b>dc.date.available</b>	2010-12-09T15:31:16Z	
<b>dc.date.issued</b>	2007-12	
<b>dc.identifier.uri</b>	<a href="http://www.ted.com/talks/arthur_benjamin_does_mathemagic.html">http://www.ted.com/talks/arthur_benjamin_does_mathemagic.html</a>	
<b>dc.description</b>	<p>Arthur Benjamin makes numbers dance. In his day job, he's a professor of math at Harvey Mudd College; in his other day job, he's a "Mathemagician," taking the stage in his tuxedo to perform high-speed mental calculations, memorizations and other astounding math stunts. It's part of his drive to teach math and mental agility in interesting ways, following in the footsteps of such heroes as Martin Gardner. Benjamin is the co-author, with Michael Shermer, of Secrets of Mental Math (which shares his secrets for rapid mental calculation), as well as the co-author of the MAA award-winning Proofs That Really Count: The Art of Combinatorial Proof. For a glimpse of his broad approach to math, see the list of research talks on his website, which seesaws between high-level math (such as his "Vandermonde's Determinant and Fibonacci SAWs," presented at MIT in 2004) and engaging math talks for the rest of us ("An Amazing Mathematical Card Trick"). "After his lively shows, students often rush the stage, eager for more tips and tricks." Reader's Digest</p>	en_US
<b>dc.description.abstract</b>	<p>In a lively show, mathemagician Arthur Benjamin races a team of calculators to figure out 3-digit squares, solves another massive mental equation and guesses a few birthdays. How does he do it? He'll tell you.</p>	en_US

# Defining Metadata Schemas

## Field Name:

dc .  .

## Scope Note:

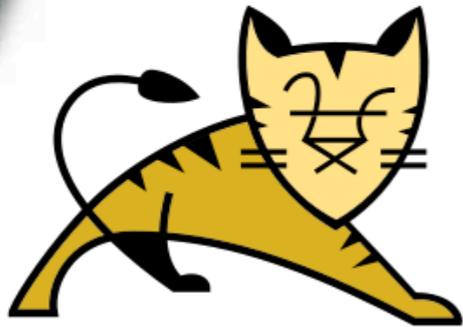
Additional notes about this metadata field.

[Add new metadata field](#)

## Schema metadata fields

	ID	Field	Scope Note
<input type="checkbox"/>	83	<a href="#">dc.citation</a>	
<input type="checkbox"/>	2	<a href="#">dc.contributor.advisor</a>	Use primarily for thesis advisor.
<input type="checkbox"/>	3	<a href="#">dc.contributor.author</a>	
<input type="checkbox"/>	4	<a href="#">dc.contributor.editor</a>	
<input type="checkbox"/>	5	<a href="#">dc.contributor.illustrator</a>	
<input type="checkbox"/>	6	<a href="#">dc.contributor.other</a>	
<input type="checkbox"/>	1	<a href="#">dc.contributor</a>	A person, organization, or service responsible for the content of the resource. Catch-all for unspecified contributors.
<input type="checkbox"/>	7	<a href="#">dc.coverage.spatial</a>	Spatial characteristics of content.
<input type="checkbox"/>	8	<a href="#">dc.coverage.temporal</a>	Temporal characteristics of content.

# Architecture



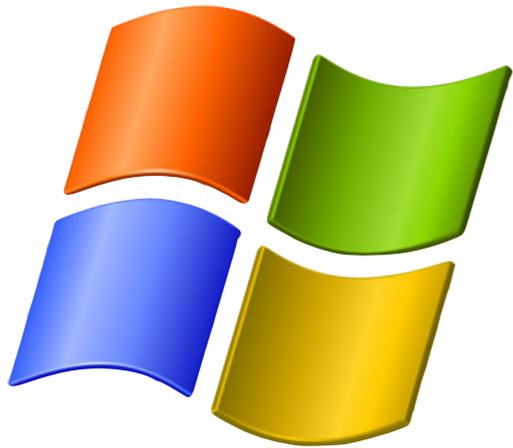
AND



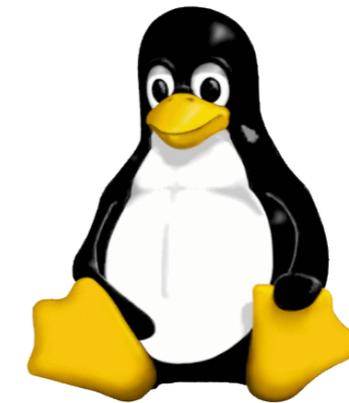
Apache Tomcat

---

Apache HTTP Server



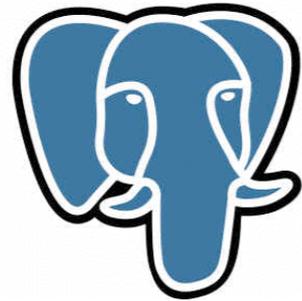
ORACLE<sup>®</sup>  
SOLARIS



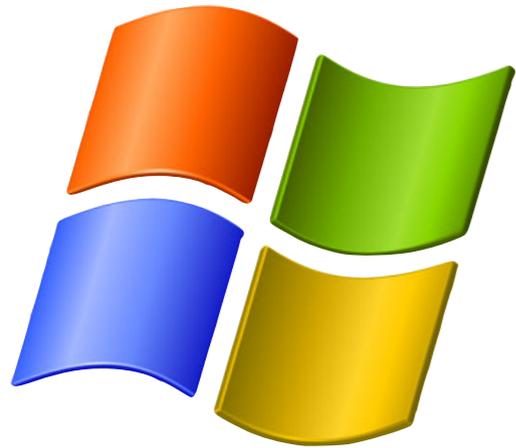
# Architecture



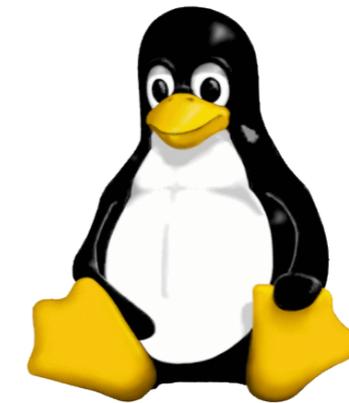
PostgreSQL



OR



ORACLE  
SOLARIS

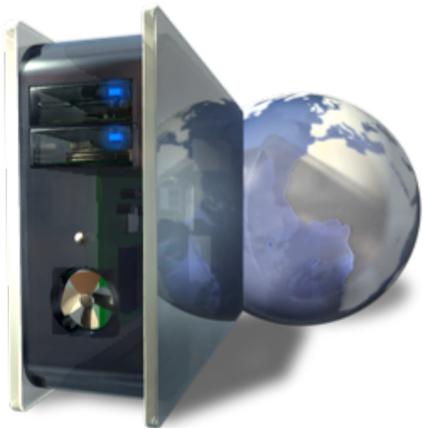


# @mire Services

Leveraging the usage of the Open Source Institutional Repository platform DSpace.

By providing installation, customization, maintenance and training services.

Installation



Maintenance



Customization



Training



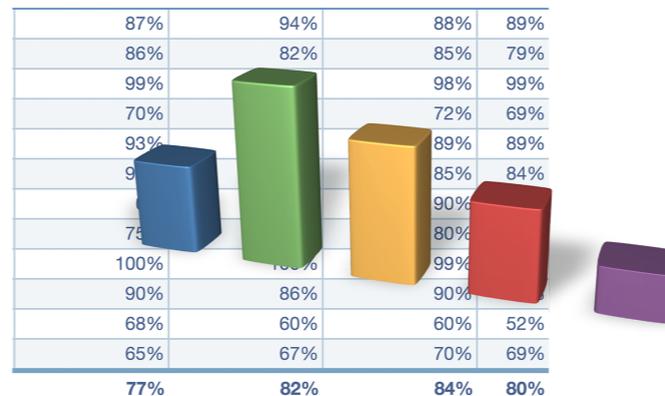
# @mire add-on modules

Specific commercial **add-on modules** greatly enhance the functionality of the DSpace platform.

Metadata Quality



Content & Usage Analysis



Listings & Reports



# @mire add-on modules

---

Specific commercial **add-on modules** greatly enhance the functionality of the DSpace platform.

Document Streaming



Image Zoom



Audiovisual Streaming



# References



**DSpace Home**

**Menu**

- [About](#)
- [ECADL Blog](#)
- [ECADL Wiki](#)
- [Help](#)

**My Account**

- [Login](#)
- [Register](#)

**Welcome to the United Nations Economic Commission for Africa (UNECA) institutional repository!**

In its 50 years of existence, UNECA has created and holds a vast quantity of information and Knowledge in a variety of formats, including printed and electronic. These represent the corporate memory, providing historical evidence of its actions and decisions. The information resources include published materials such as flagship publications, journal articles, conference proceedings, technical reports, mission reports, annual reports, working papers, speeches and other grey literature, all which outline important research or decisions that have been made on the economic and social developmental aspects in Africa.

The Institutional Repository of the Economic Commission for Africa offers unique knowledge and information not available elsewhere pertaining to regional programmes, decisions and resolutions promoting social and economic development in Africa.

**Communities in DSpace**

Select a community to browse its collections.

- [Agriculture, Forestry and Fishing](#) [1234]
- [Economic Development and Development Finance](#) [5964]
- [Gender issues and Equity](#) [1067]



**UNECA DSpace**

**Search DSpace**

[Advanced Search](#)  
[Subject Search](#)

**Browse**

- **All of DSpace**
  - [Communities & Collections](#)
  - [By Issue Date](#)
  - [Authors](#)

UN Economic Commission for Africa

# References

IDB | IIC | MIF My IDB | Manuals | Departments | Services

Español | Português | Français

**Bank REPOSITORY of Institutional KNOWLEDGE**

**BRIK**

**Browse**

- All of BRIK
- Collections
- By Issue Date
- Authors
- Titles
- Subjects
- Tags
- All of BRIK

BRIK Home Print Comment on this page

**Search BRIK** Advanced Search

**Search** ?

Welcome to the Bank Repository of Institutional Knowledge. This intranet platform is designed to ensure that the vast knowledge resulting from Bank business is accessible and visible within the Bank. Please browse the collections, and feel free to provide feedback by sending an e-mail to [repository@iadb.org](mailto:repository@iadb.org).

**Search BRIK**

Enter text in the box below to search BRIK

# References

The screenshot displays the OER@AVU website interface. At the top left is the OER@AVU logo with the text "OPEN EDUCATIONAL RESOURCES", "RESSOURCES ÉDUCATIVES LIBRES", and "RECURSOS PARA EDUCAÇÃO ABERTA". A search bar is located at the top right. A navigation menu includes "Home", "Resources", "Partners", "Supported By", "News", "About", "Credits", and "Contact". The main content area is titled "Resources" and lists various subject categories under "English" and "Français". A right-hand sidebar contains a "Donate" button with payment logos, a "Browse" section with links to "All of OER@AVU", "Communities & Collections", "By Issue Date", "Authors", "Titles", and "Subjects", a "My Account" section with "Login" and "Register" links, and an "Openly Licenced!" section with a "Read more HERE" link.

**OER@AVU**  
OPEN EDUCATIONAL RESOURCES  
RESSOURCES ÉDUCATIVES LIBRES  
RECURSOS PARA EDUCAÇÃO ABERTA

Search... **Go**

→ avu.org → Virtual Campus for Development & Peace

Home | Resources | Partners | Supported By | News | About | Credits | Contact

## Resources

OER@AVU > Resources

Select a community to browse its collections.

- **English**
  - **Biology En**
    - AVU Resources En - Biology
  - **Chemistry En**
    - AVU Resources En - Chemistry
  - **ICT Basic Skills En**
    - AVU Resources En - ICT Basic Skills
  - **ICT Integration in Education En**
    - AVU Resources En - ICT Integration in Education
  - **Intellectual Property Rights En**
    - AVU Resources En - Intellectual Property Rights
    - Contributed Resources En - Intellectual Property Rights
  - **Mathematics En**
    - AVU Resources En - Mathematics
  - **Physics En**
    - AVU Resources En - Physics
  - **Teacher Education En**
    - AVU Resources En - Teacher Education
- **Français**
  - **Biologie Fr**
    - Ressources UVA Fr - Biologie
  - **Chimie Fr**
    - Ressources UVA Fr - Chimie

**Donate**

AMERICAN EXPRESS VISA MASTERCARD DISCOVER BANK

### Browse

- **All of OER@AVU**
  - Communities & Collections
  - By Issue Date
  - Authors
  - Titles
  - Subjects

### My Account

- Login
- Register

### Openly Licenced!

You can download, modify, share and distribute this material freely! Don't forget to contribute back if you make significant improvements.

→ Read more [HERE](#)



**DS**SPACE

**ATMIRE**  
**@MIRE**

[www.atmire.com](http://www.atmire.com)

**Bram Luyten**