

# **4SCIENCE**

**SHARE YOUR KNOWLEDGE**

Your today's research is tomorrow's science:  
manage it, preserve it, share it. Now.

**DSpace-CRIS: How to Bring Repositories  
and CRIS/RIMS Together**

Susanna Mornati and Andrea Bollini, [www.4science.it](http://www.4science.it)

# DSpace and “extended” DSpace

- DSpace is the most popular free open source Digital Asset Management System in the world, used for Institutional Repositories to manage publications...
- ...but more and more HE and Research Institutions are asking for Research Information & Data Management tools
- Why not using an “extended” version of DSpace to meet these two relevant needs?



# DSpace-CRIS: what?

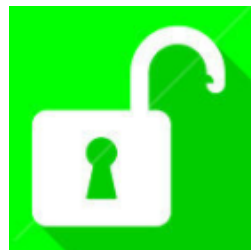
- In 2009, the team now at 4Science led by Susanna Mornati and Andrea Bollini, together with the team at Hong Kong University led by David T. Palmer, created DSpace-CRIS
- <https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Home> (documentation)
- DSpace-CRIS is an “extended” version of DSpace, with a powerful and flexible data model to describe not just publications, but all the entities that populate the research environment and their meaningful links
- <https://dspace-cris.4science.it/> (demo)

# DSpace-CRIS: why?

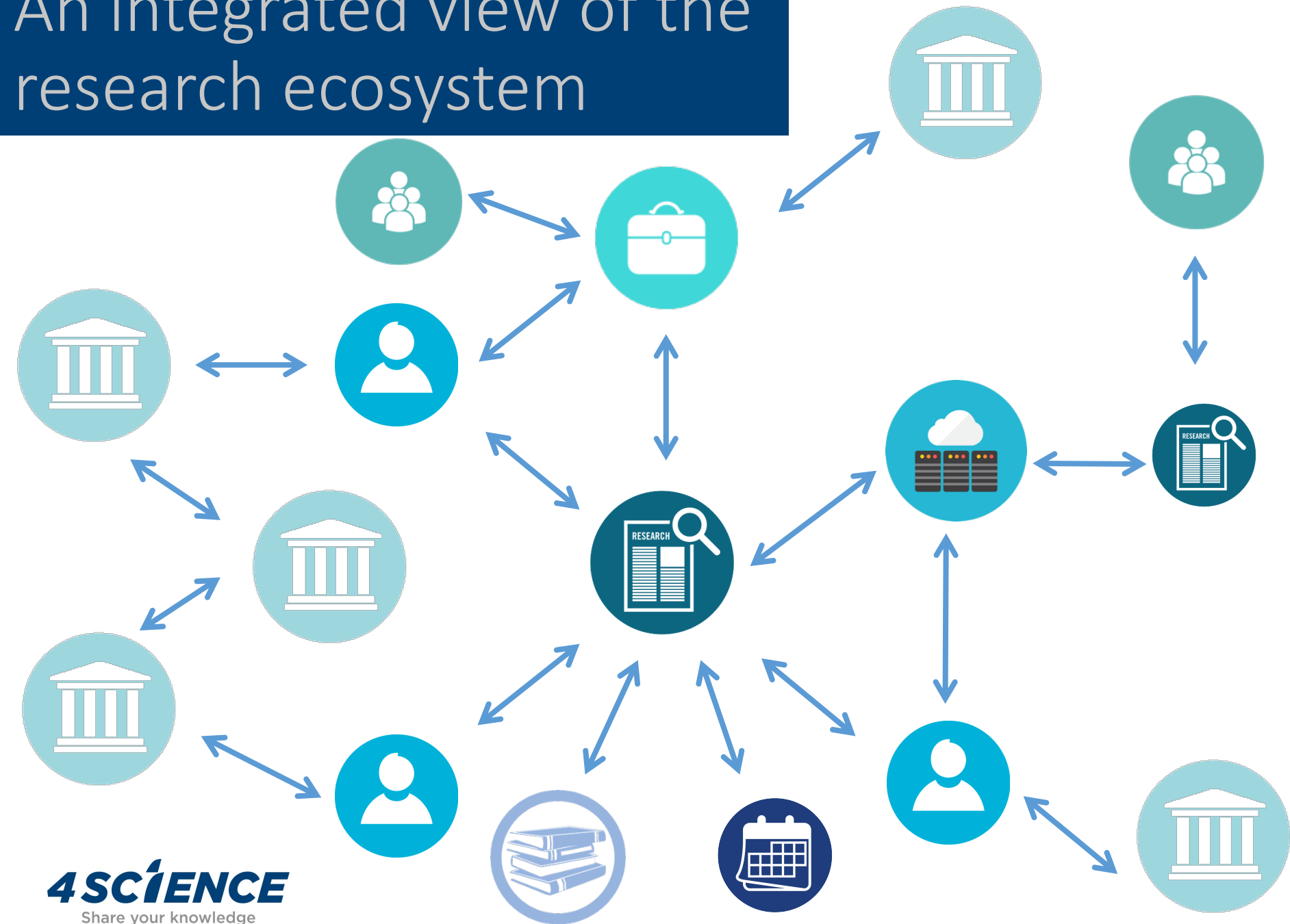
- Buying a commercial platform to manage Research Information (a CRIS or RIMS) is expensive and binds your institutions to a proprietary system



- DSpace-CRIS is free, open source, compliant with open standards, and provides your institution with a sustainable and effective tool to manage research information such as researchers' profiles, department pages, project grants & awards, research outputs, metrics, reports and statistics



# An integrated view of the research ecosystem



# DSpace-CRIS: make it beautiful

- State-of-art technology for your UI (next: version 7 with AngularJS UI)
- Adaptive, responsive
- Icons for intuitive exploration
- Widgets for most viewed, most cited, etc.

The screenshot displays the Ktisis website interface. At the top, there is a dark navigation bar with menu items: Home, Communities & Collections, Research Outputs, Researchers, Faculty & Departments, Theses, Patents, Projects, Help, and a Language dropdown. A 'Sign on to:' link is visible in the top right. Below the navigation bar, the main content area features a header 'Ktisis at Cyprus University of Technology' and a 'Welcome to Ktisis' section with a descriptive paragraph. To the right of the welcome text are two promotional banners: 'THE WORLD UNIVERSITY RANKINGS' and 'THE YOUNGEST AMONG THE TOP EUROPEAN UNIVERSITIES'. A search bar with a magnifying glass icon and a dropdown menu is positioned below the banners. Underneath the search bar are three large icons representing 'People' (315), 'Faculty & Departments' (22), and 'Publications, books, articles...' (6286), each with a corresponding 'Explore' button. At the bottom, there are three columns of content: 'Recent Submissions' (featuring an article on Greek-Cypriot media), 'Most Viewed' (featuring an article on rock slope stability), and 'Most Cited' (featuring an article on conjugated polymer films).

# DSpace-CRIS use cases: an item

Ktisis at Cyprus University of Technology / Cyprus University of Technology Repository / Άρθρα/Articles

Please use this identifier to cite or link to this item: <http://ktisis.cut.ac.cy/handle/10488/7613>

Title:	A strong regioregularity effect in self-organizing conjugated polymer films and high-efficiency polythiophene: fullerene solar cells
Authors:	Choulis, Stelios A. Kim, Youngkyoo Cook, Steffan
Keywords:	Polymers Fullerenes Nanostructured materials Plastic films Solar cells
Issue Date:	2006
Publisher:	Nature
Source:	Nature materials, 2006, Volume 5, Issue 3, Pages 197-203
Abstract:	The influence of polymer regioregularity (RR) on the molecular nanostructure, and on the resulting material properties and device performance was analyzed. Annealed blend films show increased $\alpha$ regardless of RR, that indicates improved charge-carrier diffusion. It was found that the highest device efficiencies will be achieved with the highest RR P3HT. It was also found that the dark-current density of as-fabricated devices made with pristine P3HT increases with the RR of P3HT in the higher voltage regime
URI:	<a href="http://ktisis.cut.ac.cy/handle/10488/7613">http://ktisis.cut.ac.cy/handle/10488/7613</a>
ISSN:	1478-1122 (print) 1478-4600 (online)
DOI:	10.1038/nmat1574

**SCOPUS<sup>1M</sup>**  
Citations 1  
**1,805**   
checked on Apr 8, 2017

**WEB OF SCIENCE<sup>1M</sup>**  
Citations 1  
**1,759**   
checked on May 11, 2017

**Page view(s)** 1  
**234**   
Last Week: 11      Last month: 50  
checked on Jun 12, 2017


**Google Scholar<sup>1M</sup>**  
**Check**


**Altmetric**


# CORE Recommender for Items [NEW]


CORE Recommender


Suggested articles


 Camera Tracking in Visual Effects - An Industry Perspective of Structure From Motion  
**Provided by:** University of Bath OPUS | **Year:** 2016  
**By** Barber Alastair, Cosker Darren, James Oliver, Waine Ted, Patel Radhika

 DIGITAL, The Quiet Revolution in Filmmaking from Script to Screen. A case study called VIOLET CITY  
**Provided by:** LJMU Research Online | **Publisher:** Avanca Film Festival  
**By** Maxwell JP

 HAL  
A Game Engine as a Generic Platform for Real-Time Previz-on-Set in Cinema Visual Effects  
**Provided by:** Hal - Université Grenoble Alpes | **Publisher:** HAL CCSD | **Year:** 2015  
**By** De Goussencourt Timothée, Dellac Jean, Bertolino Pascal

 Impact of prevalent and incident vertebral fractures on utility: results from a patient-based and a population-based sample  
**Provided by:** DSpace at VU | **Year:** 2007  
**By** Schoor N. van, Ewing S., O'Neill T., Lunt M., Smit J., Lips P.

 A review of the Malaysian film industry: Towards better film workflow  
**Provided by:** UWE Research Repository  
**By** Dim A. R.

Powered by  CORE



# New features in DSpace-CRIS 6 [& 5.7]

- **Signposting** is an approach to make the scholarly web more friendly to machines, exposing relations as Typed Links in HTTP Link headers
- The following patterns are supported in DSpace-CRIS (to finalize):
  - Author: links to authors ORCID or VIAF records
  - Identifier: link to ORCID from DSpace-CRIS researcher pages, link to the Handle/DOI from the landing page or fulltext (PDF, etc.)
  - Publication Boundary: links to the actual fulltext from the landing page

# DSpace-CRIS use cases: a researcher

Kalogirou, Soteris A

- Network Lab
- View Statistics
- Email Alert
- RSS Feed
- Claim profile

- Profile
- Bibliometrics
- Publications
- Projects



Full Name Kalogirou, Soteris A. Greek Name Καλογήρου, Σωτήρης

Department Department of Mechanical Engineering and Materials Science and Engineering

Faculty Faculty of Engineering and Technology

Email soteris.kalogirou@cut.ac.cy

ORCID 0000-0002-3654-1437 Scopus Author ID 7005998383 Researcher ID D-3883-2015

**Biography**  
Soteris Kalogirou was born in Trachonas, which is a suburb of Nicosia. He is married and has two children. He received his first Degree in Mechanical Engineering from the Higher Technical Institute (1982) his Master of Philosophy (M.Phil) in Mechanical Engineering from the Polytechnic of Wales (1991) and his Ph.D in Mechanical Engineering from the University of Glamorgan, UK (1995). In June 2011 he was awarded from the University of Glamorgan, UK the title of D.Sc. He was employed as a Building Services Consultant by the firm Intersol Engineering from 1982-1987, and in various positions in the Mechanical Engineering and Engineering Practice Departments of the Higher Technical Institute from 1987 to 2007. In 2008 he was transferred to the Cyprus University of Technology and now he is a Senior Lecturer in Mechanical Engineering. He is considered internationally as an expert in the field of solar thermal collectors and to the use of artificial intelligence techniques for the performance prediction of energy and renewable energy systems. He is member of CIBSE (Chartered Institution of Building Services Engineers).

# DSpace-CRIS use cases: metrics

Ktisis at Cyprus University of Technology

Kalogirou, Soteris A.

[Network Lab](#)

[View Statistics](#)

[Email Alert](#)

[RSS Feed](#)

[Claim profile](#)

[Profile](#)

**[Bibliometrics](#)**

[Publications](#)

[Projects](#)

## Bibliometrics

Total Citations  
SCOPUS™

**7,072**

checked on Jun 13, 2017

1

Works indexed in  
SCOPUS™

**89**

checked on Jun 13, 2017

1

Total Citations  
WEB OF SCIENCE™

**6,455**

checked on Jun 13, 2017

1

Works indexed in  
WEB OF SCIENCE™

**113**

checked on Jun 13, 2017

1

# DSpace-CRIS use cases: publications

Kalogirou, Soteris A.

Network Lab

View Statistics

Email Alert

RSS Feed

Claim profile

Profile

Bibliometrics

Publications

Projects

Publications (Articles) ▾

Show/Hide filters ▾

Results 1-20 of 133 (Search time: 0.044 seconds).

1 2 3 4 5 6 7 →

Refman  EndNote  Bibtex  RefWorks  Excel  CSV  Send via email

<input type="checkbox"/>	Issue Date	Title	Author(s)
<input type="checkbox"/>	1 2012	A detailed thermal model of a parabolic trough collector receiver	Kalogirou, Soteris A.
<input type="checkbox"/>	2 2005	A new approach using artificial neural networks for determination of the thermodynamic properties of fluid couples	Sencan, Arzu ; Kalogirou, Soteris A.
<input type="checkbox"/>	3 2011	A note from the Editors of Energy	Wang, Ruzhu ; Lund, Henrik ; Kalogirou, Soteris A.
<input type="checkbox"/>	4 1999	A thermal model for reptiles and pelycosaurus	Florides, Georgios A. ; Wrobel, L. C. ; Kalogirou, Soteris A. ; Tassou, Savvas A. ; Florides, Georgios A. ; Wrobel, L. C. ; Kalogirou, Soteris A. ; Tassou, Savvas A.
<input type="checkbox"/>	5 2008	An adaptive wavelet-network model for forecasting daily total solar-radiation	Mellit, Adel ; Benghanem, Mohamed S. ; Kalogirou, Soteris A. ; Mellit, Adel ; Benghanem, Mohamed S. ; Kalogirou, Soteris A.
<input type="checkbox"/>	6 2011	ANFIS-based modelling for photovoltaic power supply system: a case study	Mellit, Adel ; Kalogirou, Soteris A. ; Mellit, Adel

# Dspace-CRIS use cases: network

**Researcher**



**Kalogirou, Soteris A.**  
Department: Department of Mechanical Engineering and Materials Science and Engineering

AND

**Cognate Researcher**

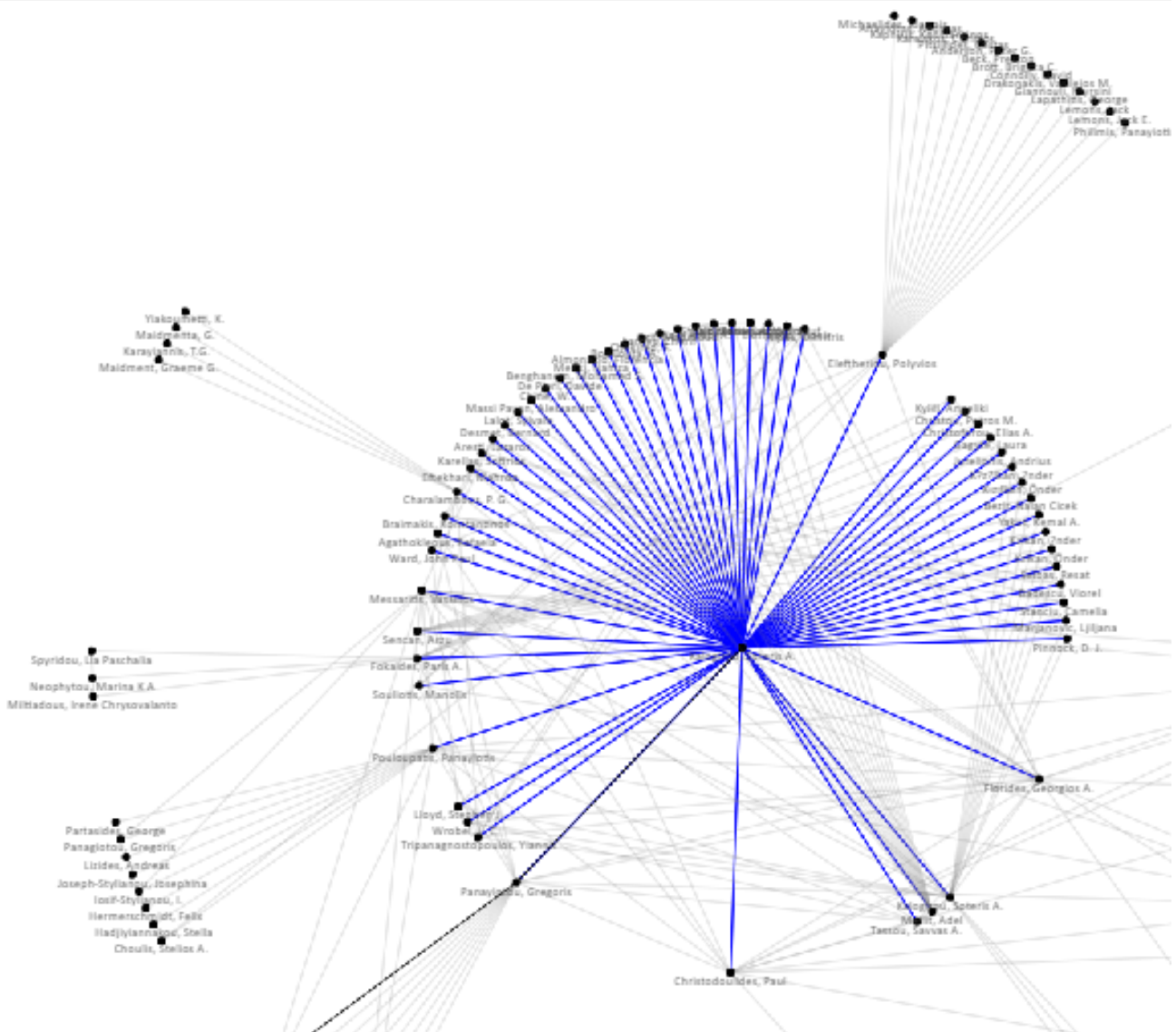


**Panayiotou, Gregoris**  
Department: Department of Mechanical Engineering and Materials Science and Engineering

SHARE

**Research Facets**

- Co-authored publications: 11



# DSpace-CRIS use cases: statistics

Researcher Profile Statistics: Kalogirou, Soteris A.

From: ever To: now Change date range

View Count Download Count Item View Count Item Download Count

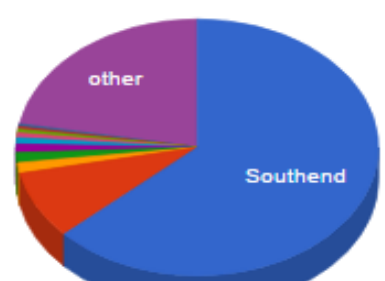
RSS Feed Email Alert

Geo Map



Region Country City Time


Save as a PNG Save as a JPEG





- Southend
- Nicosia
- Moscow
- Shanghai
- Mountain View
- Ashburn
- Limassol
- Los Angeles
- Athens

# DSpace-CRIS use cases: a department

Department of Mechanical Engineering and Materials Science and Engineering

 View Statistics

 Email Alert


 RSS Feed

Informations

Publications

Peoples

OrgUnit's Researchers (Persons)

Show/Hide filters 

Results 1-5 of 39 (Search time: 0.001 seconds).

1 2 3 4 5 6 7 8 →

Fullname	Greek Name	Department
Anayiotos, Andreas	Αναγιωτός, Ανδρέας	Department of Mechanical Engineering and Materials Science and Engineering
Angeli, Ioannis	Αγγελή, Ιωάννης	Department of Mechanical Engineering and Materials Science and Engineering
Aristokleous, Nicolas	Αριστοκλέους, Νικόλας	Department of Mechanical Engineering and Materials Science and Engineering
Burgués-Ceballos, Ignasi		Department of Mechanical Engineering and Materials Science and Engineering
Chochos, Christos L.	Χώχος, Χρίστος	Department of Mechanical Engineering and Materials Science and Engineering

1 2 3 4 5 6 7 8 →

# DSpace-CRIS use cases: a department

Department of Mechanical Engineering and Materials Science and Engineering

[View Statistics](#) [Email Alert](#) [RSS Feed](#)

- Informations
- Publications**
- Peoples

OrgUnit's Researchers publications (Dept/Workgroup Publication) Show/Hide filters

Results 1-20 of 350 (Search time: 0.001 seconds).

1 2 3 4 5 6 7 8 9 10 →

- Refman
- EndNote
- Bibtex
- RefWorks
- Send via email
- Export

<input type="checkbox"/>	Issue Date	Title	Author(s)
<input type="checkbox"/>	1 2012	2-(2,3,4,5,6-Pentafluorophenyl)-1H-benzo[d]imidazole, a fluorine-rich building block for the preparation of conjugated polymer donors for organic solar cell applications	Chochos, Christos L. ; Choulis, Stelios A. ; Ioannou, Theodosia A. ; Ioannidou, Heraklidia A. ; Economopoulos, Solon P. ; Koutentis, Panayiotis A. ; Itskos, Grigorios ; Neophytou, Marios
<input type="checkbox"/>	2 14-Mar-2015	4H-1,2,6-Thiadiazin-4-one-containing small molecule donors and additive effects on their performance in solution-processed organic solar cells	Hermerschmidt, Felix ; Kalogirou, Andreas ; Min, Jie ; Zissimou, Georgia A. ; Tuladhar, Sachetan M. ; Ameri, Tayebbeh ; Faber, Hendrik A. ; Itskos, Grigorios ; Choulis, Stelios A. ; Anthopoulos, Thomas D. ; Bradley, Donal D.C. ; Nelson, Jenny M. ; Brabec, Christoph J. ; Koutentis, Panayiotis A.
<input type="checkbox"/>	3 2012	A detailed thermal model of a parabolic trough collector receiver	Kalogirou, Soteris A.
<input type="checkbox"/>	4 2010	A simple tool for building from scratch...	...



# DSpace-CRIS use cases: claim profile

The screenshot shows a web interface for a researcher profile. At the top left, there is a logo for 'ΚΤΙΣΙΣ' (Ktisis) and 'Τεχνολογικό' (Technological). Below it, the text reads 'Ιδρυματικό Καταθετήριο Τεχνολογικού Πανεπιστημίου Κύπρου'. The main navigation bar includes 'Home', 'Communities & Collections', and 'Research Out...'. On the right, there are links for 'Language' and 'Sign on to:'. Below the navigation, a banner reads 'Ktisis at Cyprus University of Technology'. The profile name is 'Kalogirou, Soteris A.'. There are tabs for 'Profile', 'Bibliometrics', and 'Publication'. Below the tabs, there are links for 'Email Alert', 'RSS Feed', and a blue 'Claim profile' button. A modal dialog box titled 'Claim Researcher Page' is overlaid in the center. It contains the following text: 'Check the encrypted string of this email, put the correct string in the box below and click "Go" to validate the email and claim this profile.' Below this, it shows 'Emails: s o t e r i s @ c . c y' with a text input field and a green 'Go' button. Underneath, it says 'Login via ORCID to claim this profile:' and features an 'ORCID Login' button with the ORCID logo. A 'Close' button is located at the bottom right of the modal. At the bottom of the page, there is a profile picture of a man and the text 'Department Department of Mechanical Engineering and Materials Science and Engineering'.



Create new record - facilitate the creation of new ORCID records for researchers

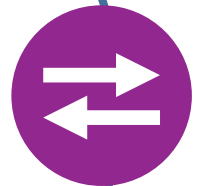


Connect local profiles with the ORCID registry



Lookup the registry

Transfer information from the repository to the ORCID Registry and viceversa



Login via ORCID iD also for external co-authors (if liked)



## Preferred name



Show archived

### ORCID ID

sandbox.orcid.org/0000-0002-9421-192X

View public version

From	Subject	Date	
▼ DSpace-CRIS Demo WebSite	Your ORCID Record was amended	2016-02-19	<input type="checkbox"/>

**DSpace-CRIS Demo WebSite** has updated items in the Work section of your record.

Archive

View on your record

## Preferred name

### ORCID ID

sandbox.orcid.org/0000-0002-9421-192X

View public version

Get a QR Code for your iD

Also known as  
DSpace-CRIS, Researcher

Country

Keywords

Websites

Emails  
researcher.dspacecris@mailinator.com

## Biography

### ▼ Education (0)

+ Add education

⇅ Sort

You haven't added any education, [add some now](#)

### ▼ Employment (0)

+ Add employment

⇅ Sort

You haven't added any employment, [add some now](#)

### ▼ Funding (0)

+ Add funding

⇅ Sort

You haven't added any funding, [add some now](#)

### ▼ Works (1)

+ Add works

⇅ Sort

#### Test Article for ORCID

Sample journal  
2015-01-01 | other  
SOURCE-WORK-ID: 65  
URL: <http://demo-dspace-cris.cineca.it/handle/123456789/41>

Source: DSpace-CRIS Demo WebSite

Preferred source



# Import publications from ORCID (NEW)

## ▼ Search for identifier

Fill in publication identifiers (DOI is preferable) and then press "Search". A list of all matching publications will be shown to you to select in order to proceed with the submission process.

### PubMed ID:

e.g. 20524090



### DOI (Digital Object Identifier) :

e.g. 10.1021/ac0354342



### SCOPUS ID:

e.g. 2-s2.0-0000000117



### WOS ID:

e.g. WOS:000270372400005



### ORCID iD:

e.g. 0000-0002-9029-1854



### arXiv ID:

e.g. arXiv:1302.1497



### Cinii NAID:

e.g. 110004744915



Search

# Import publications from ORCID (NEW)

*Bollini, A.*

2006

[See details & import the record](#)



**Guia de instalação DSpace-CRIS**

*Lucas Ângelo da Silveira, Milton Shintaku, Andrea Bollini*

2016

[See details & import the record](#)



**Publication metadata in CERIF: Inspiration by FRBR**

*Dvořák, J., Drobíková, B., Bollini, A.*

2014

[See details & import the record](#)



**DSpace-CRIS@HKU: Achieving visibility with a CERIF compliant open source system**

*Palmer, D.T., Bollini, A., Mornati, S., Mennielli, M.*

2014

[See details & import the record](#)

Full integration with ORCID,  
pull and push APIs  
for all entities:  
Profiles  
Publications  
Projects

# DSpace-CRIS: interoperability

- Save your researcher's time and provide records from ORCiD, PubMed, PubMed Europe, Scopus, WebOfScience, ArXiv, CrossRef and more... also as automatic feeds
- Import information from master legacy systems such as HR, export information to your data warehouse or your analytics solution, integrate your DSpace-CRIS with the institutional Identity Management system to control authentication and authorization, and so on...
- Import bibliometric information automatically from Scopus and Web of Science or from any other sources using spreadsheets

# DSpace-CRIS: interoperability [NEW]

- Connect to VIAF records and Getty Vocabularies for precise identification of persons, artists and places

Getty Thesaurus of Geographic Names

Place (TGN)

Brisbane|

Brisbane [Grant, North Dakota, ... World]

Please give the date of previous

Brisbane [Will, Illinois, ... World]

able.

Date of Issue \*

Brisbane [Nevada, Arkansas, ... World]

Brisbane [San Mateo, California, ... World]

Brisbane Water [New South Wales, Australia, ... World]

Enter the name of the publisher o

Brisbane [Queensland, Australia, ... World]

Publisher

- It has been reported to work nicely with «plain» DSpace, with the authority implementation. Plan to include it out-of-box in DSpace 7

# DSpace-CRIS use cases: identifiers

A flexible but robust data model that leverages persistent identifiers, wherever possible, to create unambiguous and navigable relations among all entities: a researcher's ORCID with their publications / datasets handles / DOIs, journals ISSNs, projects IDs, funders IDs, previous and next versions, and so on...



# DSPACE-CRIS use cases: identifiers in a dataset

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/13>

Title: Example of XLS to setup CRIS data model

Authors: [Bollini, Andrea](#)

*person(s)*

Issue Date: 2016

Project: [Gamma ray burst](#)

*project(s)*

Related Publication: [Research Data sample item](#)

*publication(s)*

Conference: [Conference on High Energy](#)

*event(s)*

Abstract: This is the sample data model configuration script for the org.dspace.app.cris.batch.StartupMeta dataCo

URI: <http://hdl.handle.net/123456789/13>

Appears in Collections: [Datasets](#)

Show full item record

SCOPUS™ Citations  
**10**  
checked on Nov 8, 2016

WEB OF SCIENCE™ Citations  
**45**  
checked on Nov 8, 2016

Title: DSpace-CRIS 5 Technical documentation

Authors: [Bollini, Andrea](#)   
[Pascarelli, Luigi Andrea](#)

Issue Date: 2016

Project: DSpace-CRIS Open Source: CRIS made easy with DSpace

- Related Dataset:
- [Example of CSV to import items into repository](#)
  - [Example of XLS to import organizations into repository](#)
  - [Example of XLS to import projects into repository](#)
  - [Example of XLS to import researchers into repository](#)
  - [Example of XLS to import journals into repository](#)
  - [Example of XLS to import events into repository](#)
  - [Example of XLS to setup CRIS data model](#)

*back link*

Journal: [Music and waves](#)

Abstract: The DSpace-CRIS technical documentation provides useful information to setup, configure and

# DSpace-CRIS use cases: Research Data

- Recently at 4Science we released, free and open source, an integration with CKAN, the world's leading open-source data management platform
- Using an extensible viewer framework you can now offer data discovery, exploration, preview, sampling and visualization from your DSpace-CRIS repository just by adopting the CKAN add-on!
- CKAN makes open webservices for tabular data available: <https://ckan.org/>
- DSpace-CRIS & DSpace-CKAN add-on: <https://github.com/4Science/dspace-ckan>

# DSpace-CRIS use cases: Research Data

Please use this identifier to cite or link to this item: <http://hdl.handle.net/123456789/31>

Title:	Free World Cities Database
Authors:	<a href="#">Pascarelli L.A</a>
Issue Date:	2016
Publisher:	MaxMind
Description:	Includes city, region, country, latitude and longitude. This product doesn't contain any IP addresses. It's simply a listing of all the cities in the world. For IP to city mappings, see our MaxMind City product.
URI:	<a href="https://www.maxmind.com/en/free-world-cities-database">https://www.maxmind.com/en/free-world-cities-database</a> <a href="http://hdl.handle.net/123456789/31">http://hdl.handle.net/123456789/31</a>
Appears in Collections:	<a href="#">Datasets</a>

Page view(s)  
**341**   
Last Week: 11      Last month: 11  
checked on Apr 12, 2017

Download(s)  
**352**   
checked on Apr 12, 2017

Google Scholar<sup>TM</sup>  
**Check**

Files in This Item:

File	Description	Size	Format
<a href="#">worldcitiespop.csv</a>	City and country by MaxMind	147.6 MB	Tabular Data

[Explore online](#)

View/Open

Show full item record

# CKAN Add-On Module: preview tabular & geospatial data

## *Paginated and filterable*

Grid Graph Map 639 records « 1 - 100 » Search data ... Go » Filters

lon	lat	clase	municipio	nombre	dirección	actividad
-16.637585	28.1580...	turismo	Vilaflor	Hotel Vill...	Cm San ...	alojamie...
-16.637835	28.1549...	turismo	Vilaflor	El Somb...	Cl Santa...	alojamie...
-16.662599	28.1216...	turismo	Vilaflor	El Nogal	Cm Real...	alojamie...
-16.636974	28.1593...	turismo	Vilaflor	Tio Paul...	Pz La Igl...	alojamie...
-16.636297	28.1585...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.66551	28.1187...	turismo	Vilaflor	Los F...	Cm C...	alojamie...
-16.666047	28.116...	turismo	Vilaflor	Los F...	Cm C...	alojamie...
-16.636497	28.157...	turismo	Vilaflor	Los F...	Cm C...	alojamie...
-16.366122	28.512...	turismo	Adeje	Albatros	Av Jable ...	alojamie..
-16.35427	28.496...	turismo	Arona	Parque Albatros	Lg Costa...	alojamie..
-16.3502...	28.525...	turismo	San Miguel	Parque Albatros	Ur Golf d...	alojamie..
-16.425668	28.502...	turismo	San Miguel	Parque Albatros	Ur Golf d...	alojamie..
-16.300875	28.408...	turismo	San Miguel	Parque Albatros	Ur Golf d...	alojamie..

Grid Graph Map 3 records « 1 - 3 » albatros Go » Filters

lon	lat	clase	municipio	nombre	dirección	actividad
-16.783282	28.1292...	turismo	Adeje	Albatros	Av Jable ...	alojamie..
-16.6439...	28.0056...	turismo	Arona	Parque Albatros	Lg Costa...	alojamie..
-16.610889	28.0260...	turismo	San Miguel	Parque Albatros	Ur Golf d...	alojamie..

**Filters**

Field  
lon

Add

# CKAN Add-On Module: preview tabular & geospatial data

## Graph visualization

DSpace-CRIS DEMO

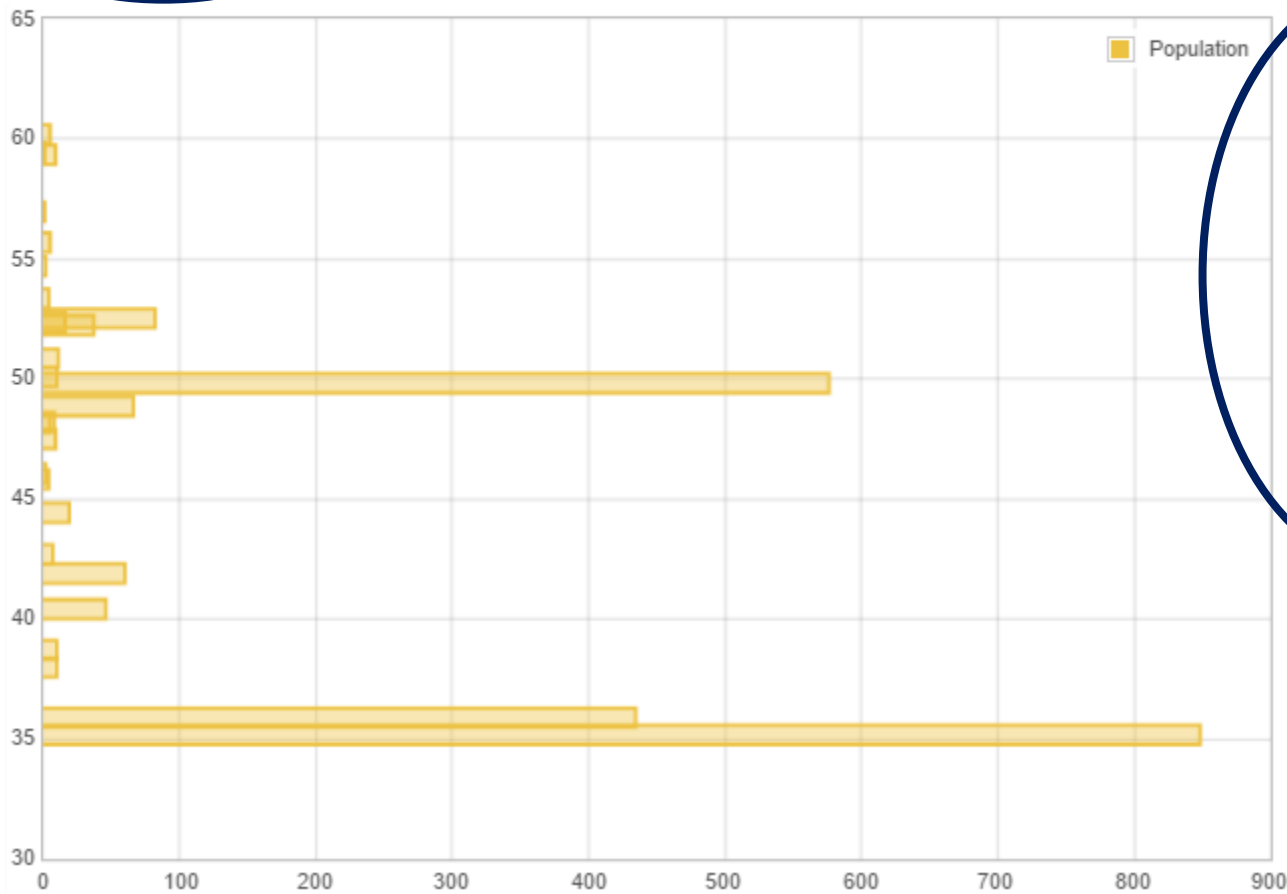
[back to the Record page](#)

Grid Graph Map

27 records

« 1 - 0 »

Search data ... Go » Filters Fields



Graph Type

Bars

Group Column (Axis 1)

Latitude

Series A (Axis 2) [Remove]

Population

Add Series

# CKAN Add-On Module: preview tabular & geospatial data

## Interactive map visualization

Grid Graph **Map** 639 records << 1 - 100 >> Search data ... Go » Filters

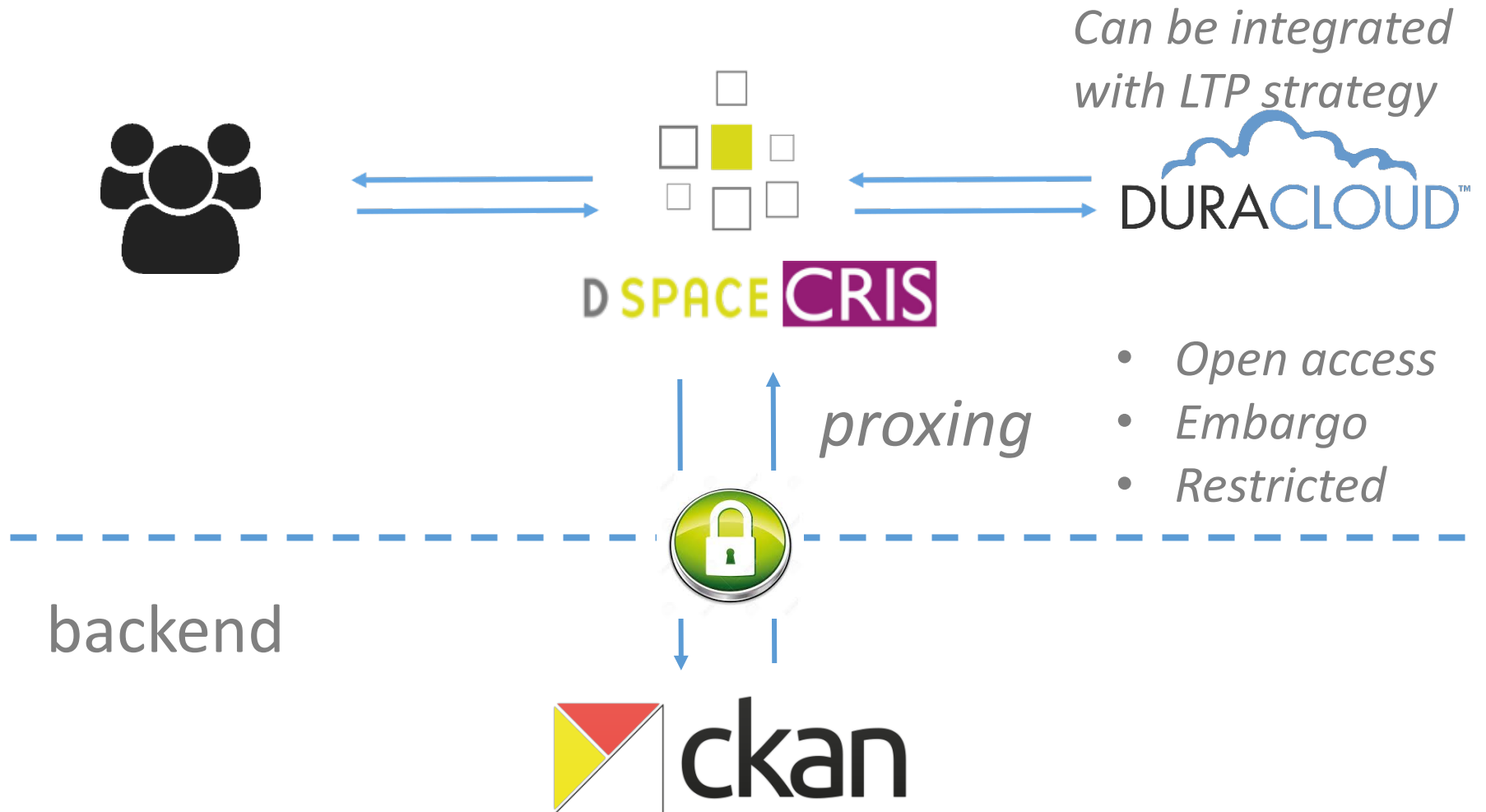
lon	lat	clase	municipio	nombre	dirección	actividad
-16.637585	28.1580...	turismo	Vilaflor	Hotel Vill...	Cm San ...	alojamie...
-16.637835	28.1549...	turismo				
-16.662599	28.1216...	turismo				
-16.636974	28.1593...	turismo				
-16.636297	28.1585...	turismo				
-16.66551	28.1187...	turismo				
-16.666047	28.1168...	turismo				
-16.636497	28.1572...	turismo				
-16.366122	28.5127...	turismo				
-16.35427	28.4963...	turismo				
-16.3502...	28.5253...	turismo				
-16.425668	28.5024...	turismo				
-16.300875	28.1085	turismo				

Grid Graph Map 639 records << 1 - 100 >> Search data ... Go » Filters

Latitude / Longitude fields  
GeoJSON field  
Latitude field: lat  
Longitude field: lon  
Update  
 Auto zoom to features  
 Cluster markers

Leaflet | Map data © 2011 OpenStreetMap contributors, Tiles Courtesy of MapQuest m

# CKAN Integration Add-On: architecture



# DSpace-CRIS use cases: beyond publications

Image files (in medicine, astrophysics, cultural heritage: digitalized manuscript, rare books, etc.) need to be consulted online, discussed and commented / annotated

IIIF protocols and formats allow you to meet these requirements in a standard and understandable way (for both humans and machines)




# DSpace-CRIS use cases: Images

- An astrophysics image can be over 5GB!
- High-quality scanned books have images typically over 100MB for each page
- Medical images can also be very large
- The structure of image sequences are complex and relevant (page sequences, evolution of phenomena in medical images, etc.)

# DSpace item with “see online option”

Title:	Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia
Other Titles:	Divina Commedia
Authors:	<a href="#">Dante Alighieri</a> <a href="#">Christoforo Landino</a> <a href="#">Alessandro Vellutello</a>
Issue Date:	1578
Publisher:	Appresso Giovambatista (In Venetia)
Type:	Book
Related Event:	Scrittura della Divina Commedia
URI:	<a href="http://hdl.handle.net/1234/11">http://hdl.handle.net/1234/11</a>
Appears in Collections:	<a href="#">Books</a>

Files in This Item:			
File	Description	Size	Format
<a href="#">Dante001.tif</a>		104.88 MB	TIFF
			 <a href="#">See online</a>
<a href="#">Dante002.tif</a>		104.88 MB	TIFF

Offering an integrated IIF compliant player (Universal Viewer)

Image 8 of 8 Go

posizioni di Christoforo Landino et d'Alessandro...



Dante006.tif



Dante007.tif



Dante008.tif



MORE INFORMATION

About the item

Title

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia

Other Titles

Divina Commedia

Authors

Dante Alighieri

Christoforo Landino

Alessandro Vellutello

Issue Date

1578

Publisher

page Dante008.tif of -

Search within this item:

Search input field with magnifying glass icon

IIIF Image API  
allows a smooth  
interaction with the  
image files

CONTENTS

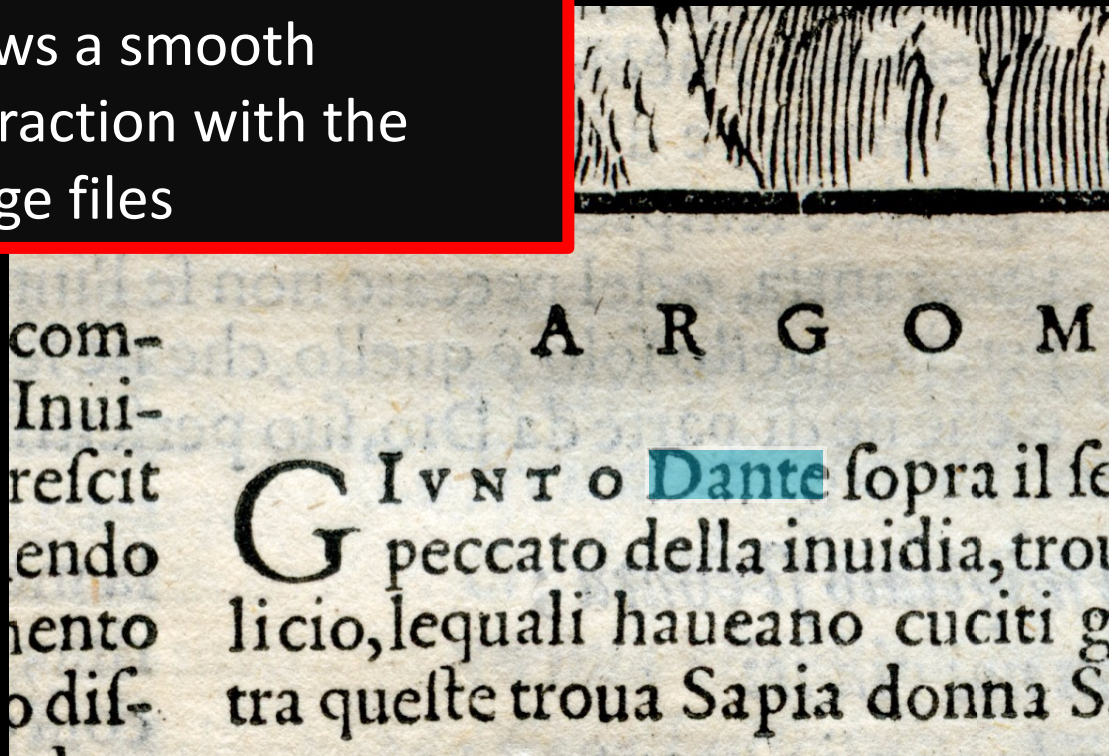
[Index](#)

[Thumbnails](#)

Indice

- [Canto I](#)
- [Canto II](#)
- [Canto III](#)
- [Canto IV](#)
- [Canto V](#)
- [Canto VI](#)
- [Canto VII](#)
- [Canto VIII](#)

dino et d'Alessandro Vellutello sopra...



MORE INFORMATION

About the item

Title

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia

Other Titles

Divina Commedia

Authors

[Dante Alighieri](#)  
[Christoforo Landino](#)  
[Alessandro Vellutello](#)

Issue Date

1578

Publisher

Appresso Giovambatista (In Venetia)

Type

Book

Related Event

page Dante007.tif of -

[Previous Result](#)

3 results found for 'Dante' [Clear](#)

[Next Result](#)

Image 7 of 8 Go

CONTENTS

Index Thumbnails

Indice

- Canto I
- Canto II
- Canto III
- Canto IV
- Canto V
- Canto VI
- Canto VII
- Canto VIII

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra...

IIIIF Presentation API  
generated on the fly using  
the metadata of the item  
and the bitstreams

MORE INFORMATION

About the item

Title

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia

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Dante Alighieri  
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1578

Publisher

Appresso Giovambatista (In Venetia)

Type

Book

Related Event

page Dante007.tif of -

Previous Result 3 results found for 'Dante' Clear Next Result

4SCIENCE  
Share your knowledge

CONTENTS <<

DSpace Documentation v.4 (sample PDF for the Document...)

>> MORE INFORMATION

- Introduction
- Release Notes
- Functional Overview
- Installing DSpace
  - For the Impatient
  - Prerequisite Software
    - UNIX-like OS or Microsoft Windows
    - Apache Maven 3.x (Java build tool)
    - Relational Database: (PostgreSQL or Oracle)
    - Servlet Engine (Apache Tomcat 7 or later, Jetty, Caucho Resin or equivalent)
- Installation Instructions

An example from a PDF document offered as a complex package of page-image

<http://hdl.handle.net/123456789/40>

**Bitstreams metadata**

Original file name  
DSpace-Manual.pdf

Original file format  
Adobe PDF

Original file Mime-type  
application/pdf

Checksum (MD5)  
9c387846cb03a5f6f796b316c3b486f7

**Page**

Page format  
image/png

page iiiifpdf... of Hierarchical ToC

Search within this item: Enter Keyword



Image 7 of 8 Go

CONTENTS << Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra...

Index Thumbnails

Indice

- Canto I
- Canto II
- Canto III
- Canto IV
- Canto V
- Canto VI
- Canto VII
- Canto VIII

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tra queste troua Sapia donna S

Link images with their textual transcription / OCR

Indexing standard format (hOCR) in a web annotation server to supply IIF Search API

MORE INFORMATION

About the item

Title

Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia

Other Titles

Divina Commedia

Authors

- Dante Alighieri
- Christoforo Landino
- Alessandro Vellutello

Issue Date

1578

Publisher

Appresso Giovambatista (In Venetia)

Type

Book

Related Event

Download Bookmark Share

# An example in Arabic characters

<https://dspace-glam.4science.it/handle/1234/24>

## مجلس أبوظبي للتخطيط العمراني

أسس المجلس أبوظبي للتخطيط العمراني بموجب قانون رقم 23 لعام 2007 ، بصفتها الجهة المسؤولة عن مستقبل البيئة العمرانية في إمارة أبوظبي، ويعمل المجلس أبوظبي للتخطيط العمراني، برئاسة سمو الشيخ محمد بن زايد آل نهيان، ولى عهد أبوظبي ورئيس المجلس التنفيذي في أبوظبي، على تحديد شكل الإمارة، وضمان مجموعة من العوامل مثل الاستدامة وطاقة البيئة التحتية والتخطيط المجتمعاتي وجودة المعيشة، وذلك بواسطة الإشراف على عمليات التطوير في أرجاء المدينة والإمارة ككل. ويكفل المجلس أبوظبي للتخطيط العمراني إيفاج أفضل الممارسات في التخطيط للمناطق العمرانية الجديدة والقائمة على حد سواء.

ويتماشى الهدف الرئيسي الذي قام من أجله المجلس أبوظبي للتخطيط العمراني في تحقيق رؤية صاحب السمو الشيخ خليفة بن زايد آل نهيان- "حفظه الله"- رئيس الدولة، والتي تمثل امتداداً للروح العظيمة التي أرسى دعائمها المغفور له الشيخ زايد بن سلطان آل نهيان، رحمه الله، في الارتقاء بمكانة أبوظبي لتكون في مصاف العواصم العالمية. ومن خلال استنباط أفضل التجارب والخبرات في مجال التخطيط الحضري محلياً وعلى صعيد دول المجلس التعاون الخليجي وعالمياً، يسعى المجلس أبوظبي للتخطيط العمراني للعمل وفق أرقى المعايير العالمية لما يتعلق بمستقبل التخطيط والتصميم الحضري.

لقد وضع المجلس أبوظبي للتخطيط العمراني، وضمن أهم أولوياته، تطوير البنية التحتية الملائمة مع الحفاظ على البيئة. وفي هذا المضمار، تتطلع الحكومة إلى إرساء فعاليات اقتصادية ذات ترويج متكافئ إلى جانب تطوير بيئة حضرية بتساميم ذات معايير احترافية ومتميزة على الصعيد الإداري ضمن مدن ومقاسم إمارة أبوظبي، ومزودة بأمنسة مواصلات عالمية.

"إننا في حاجة إلى أن تراجع خطواتنا ونقوم أصالتنا، ونخطط لمستقبلنا بقطب مومعة وإرادة واعية، وفكر مستنير حتى نصبح مسبوقة، ونحقق لشعبنا كل ما نضبو إليه من آمال ".المغفور له الشيخ زايد بن سلطان آل نهيان

سعادة فلاح محمد الأحيابي

Clear

مجلس أبوظبي للتخطيط لعم اربي أسس مجلس أبوظبي للتخطيط  
بموجب قانون رقم 23 لعام 2007 ، بصفتها الجهة المسؤولة ع  
البنية لعم اربيه في إمارة أبوظبي، ويعمل مجلس أبوظبي للتخط  
اربي . برئاسة سمو الشيخ محمد بن ازيد آل نهيان، ولى عهد أبود  
المجلس التنفيذي في أبوظبي، على تحديد شكل الإمارة، وضمان  
العوامل مثل الاستدامة وطاقة البيئة التحتية والتخطيط المجتمعي وجوده  
المعيشة، وذلك بواسطة الإشراف على عمليات التطوير في أرجاء المدينة  
والإمارة ككل ويكفل مجلس أبوظبي للتخطيط لعم اربي إيفاج أفضل  
الممارسات في التخطيط للمناطق لعم اربيه الجديدة والقائمة على حد سواء  
ويتماشى الهدف الرئيسي الذي قام من أجله مجلس أبوظبي للتخطيط لعم اربي  
في تحقيق رؤيته صاحب السمو الشيخ خليفة بن ازيد آل نهيان- "حفظه الله"-  
رئيس الدولة، والتي تمثل امتداداً للروح العظيمة التي أرسى دعائمها المغفور  
له الشيخ ازيد بن سلطان آل نهيان، رحمه الله، في الارتقاء بمكانه أبوظبي  
لتكون مصاف العواصم العالمية ومن خلال استنباط أفضل التجارب والخب  
ارت في مجال التخطيط الحضري محلياً وعلى صعيد دول مجلس التعاون  
الخليجي وعالمياً، يسعى مجلس أبوظبي للتخطيط لعم اربي للعمل وفق أرقى  
المعايير العالمية لما يتعلق بمستقبل التخطيط والتصميم الحضري لقد وضع  
مجلس أبوظبي للتخطيط لعم اربي، وضمن أهم أولوياته، تطوير البنية التحتية  
الملائمة مع الحفاظ على البيئة وفي هذا المضمار، تتطلع الحكومة إلى إرساء  
عمليات اقتصادية ذات ترويج متكافئ إلى جانب تطوير بيئة حضرية  
بتساميم ذات معايير احت اربيه ومتميزة على الصعيد الإداري ضمن مدن  
ومقاسم إمارة أبوظبي، ومزودة بأمنسة مواصلات عالمية إننا في حاجة  
إلى أن ن ارجع خطواتنا ونقوم أصالتنا، ونخطط لمستقبلنا بقطب مومعة وإ  
ارده واعية، وفكر مستنير حتى نصبح مسبوقة، ونحقق لشعبنا كل ما نضبو  
إليه من آمال " المغفور له الشيخ ازيد بن سلطان آل نهيان سعاده فلاح  
محمد الأحيابي 1



# IIIF Image Viewer: share and reuse

The screenshot displays a list of digital collections in the IIIF Image Viewer. Each entry includes a logo, a title, a description, the number of items, and a row of thumbnail images representing the collection's content.

- iiif**: Dante con l'esposizioni di Christoforo Landino et d'Alessandro Vellutello sopra la sua Comedia. (Added from URL). 8 items. Thumbnails show various manuscript pages with illustrations.
- Harvard University**: Edwards, Richard. Analytical sixth reader :containing an introductory article on the general principles of elocution, with a thorough method of analysis, intended to develop Harvard University. 508 items. Thumbnails show a book cover and several pages of text.
- Harvard University**: MS Richardson 7. Houghton Library, Harvard University. Heures de Nôtre Dame (use of Troyes and Sens) : manuscript, [ca. 1470]. 480 items. Thumbnails show a book cover and several pages of text.
- Harvard University**: Donizetti, Gaetano, 1797-1848. [Marino Falliero. Vocal score]. Marino Falliero [sic] : tragedia lirica / del sigr. Bidèra ; posta in musica pel Teatro Reale Italiano in Parigi dal Maestro Harvard University. 210 items. Thumbnails show a book cover and several pages of text.
- LGC NLW**: Poems by Guillaume de Machaut, [15 cent.]. National Library of Wales. 178 items. Thumbnails show a book cover and several pages of text.
- UCD DUBLIN**: A group of Irish Free State Army soldiers firing artillery on the Four Courts. University College Dublin. 1 item. Thumbnail shows a historical photograph of soldiers.
- Harvard University**: MS Typ 441. Houghton Library, Harvard University. Homiliary including works of Bede, Augustine, and Gregory : Harvard University. 178 items. Thumbnails show a book cover and several pages of text.

Share images with other scholars/users without waiving proper attribution, e.g. using the «manifest» JSON file:

<https://dspace-glam.4science.it/json/iiif/1234/11/30/manifest>

in another IIIF Image Viewer:  
<http://projectmirador.org/demo/>

# DSpace-CRIS use cases: beyond publications

The same requirements apply to audio and video content:

- Streaming
- Internal structure
- Annotation / commenting / transcript

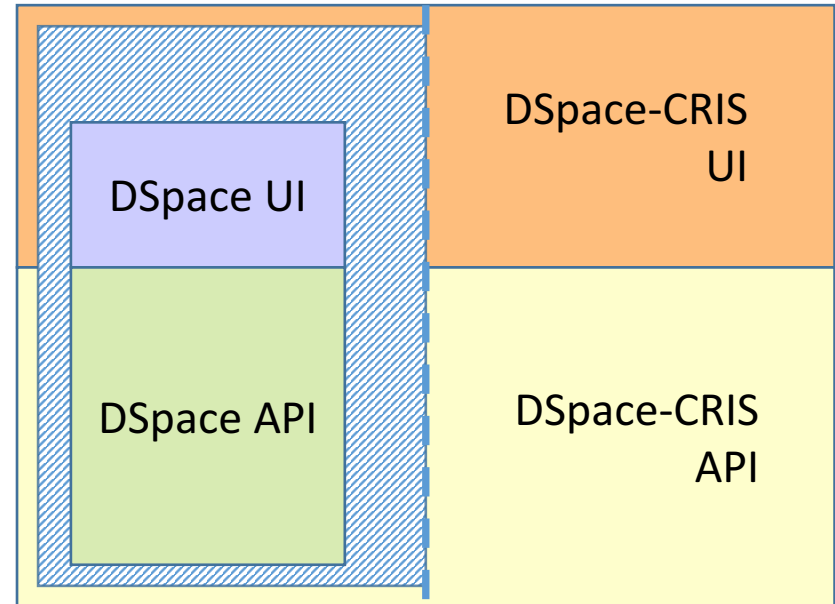
Adopt an open standard: the MPEG-DASH format allows adaptive streaming over simple html client with full support for multiple tracks, ToC, subtitles

# DSpace-CRIS add-ons

The IIF Image Viewer, Document Viewer, OCR & Transcription, Video/Audio Streaming are add-on modules presently distributed by 4Science with an innovative business model: contribute to make them open source soon!

<http://www.4science.it/en/dspace-add-ons/>

# DSpace-CRIS: current architecture



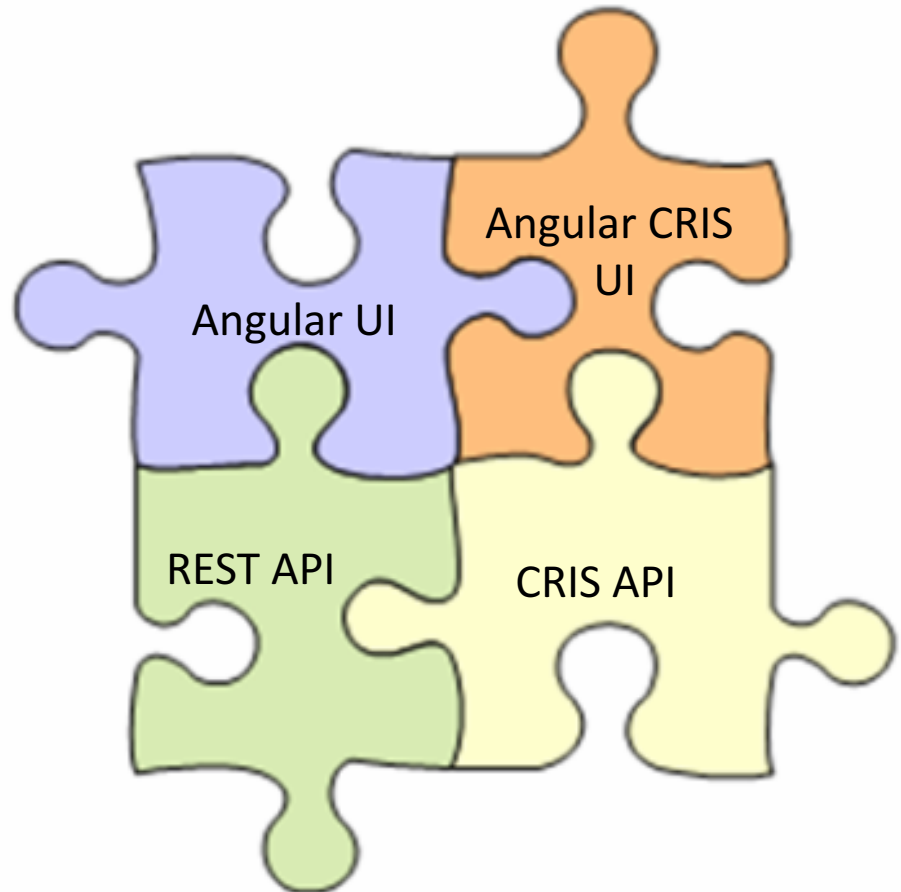
Existing gap of functionalities implemented in DSpace-CRIS but useful for any kind of DSpace repository: better statistics, deduplication, feed from Scopus, WoS, PubMed, etc.

# DSpace-CRIS 7: architecture

Contribute back general features to enrich the base DSpace (logic & UI)  
Create extension points to nicely integrate (plugin) additional CRIS functionalities



**DSPACE**



# DSpace-CRIS: where?

- Universities and Research Centers will obviously benefit from a platform that can collect, manage, preserve and disseminate all information about research and its performance.
- GLAM (Galleries, Libraries, Museums, Archives) can likewise benefit from DSpace-GLAM, a “flavour” of DSpace-CRIS specially configured to provide a rich context to digital assets of the Cultural Heritage

# DSPACE-CRIS: <https://digital.csic.es/> Integrated with an internal CRIS



CSIC Research ▾

Pasarela

Statistics

Contact

Search DSpace



Sign on to: ▾

English español



Welcome to **DIGITAL.CSIC**, the institutional repository of the **Spanish National Research Council**.

**DIGITAL.CSIC** organizes, preserves and provides open access to CSIC research outputs.

[DIGITAL.CSIC Annual Reports](#)



**DIGITAL.CSIC**  
OPEN SCIENCE



Send us your works

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### PRINCIPIOS

Tecnología SOLR  
Búsqueda booleana 'AND'  
Búsqueda en metadatos y texto completo

### RECOMENDACIONES

Uso de términos controlados  
Evitar signos especiales

### BUSCAR

Búsquedas simples  
Búsquedas avanzadas  
Tipos de filtros



[NAVEGAR](#)

[ORDENAR RESULTADOS](#)

## Highlights

### 📄 New CSIC Abierto Issue Out [11/05/2017]

**CSIC Abierto 15** features how CSIC institutes have integrated the repository into their scientific communication strategies so as to maximize impact of their research outputs, enhance dissemination of non traditional research outcomes and test innovative ways to share projects. The issue also includes an interview with Open Access Button team.

### 📄 DIGITAL.CSIC Workshop on Open Science [26/04/2017]

Open Science advocates for making science more collaborative and using new channels and tools to disseminate and share knowledge. Its innovative approach covers the entire research process to increase science quality, transparency and effectiveness and better align it with social challenges. The slides of "**Introduction to Open Science**" workshop address topics and tools of interest.

### 📄 Slides of COAR Controlled Vocabularies Webinar in Spanish [23/03/2017]

On March 16, 2017 COAR in partnership with La Referencia held the webinar **Vocabularios Controlados para Repositorios: Objetivos y Avances del Grupo de Trabajo COAR**. The speakers are members of the Editorial Board of this COAR Working Group

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# DSPACE-CRIS: <http://www.earth-prints.org/> Ontological approach

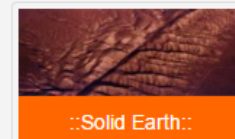
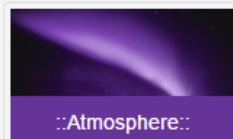
## Welcome to the OA Earth-prints Repository!

Earth-Prints is an open archive created and maintained by Istituto Nazionale di Geofisica e Vulcanologia. This digital collection allows users to browse, search and access manuscripts, journal articles, theses, conference materials, books, book-chapters, web products.

The goal of our repository is to collect, capture, disseminate and preserve the results of research in the fields of Atmosphere, Cryosphere, Hydrosphere and Solid Earth. Earth-prints is young and growing rapidly. Check back often.

Please notice that some documents are protected by institutional policy. Please contact the authors for additional information.

### Earth-prints



#### Most Viewed




**Radio Echo Sounding (RES) investigations at Talos Dome (East Antarctica): bedrock topography and ice thickness** 14,509  
*Bianchi, C.*; *Cafarella, L.*; *De*

#### Most Downloaded

**Earth-prints Open Archive: brochure** 75,240  
*Chiodetti, A. G.*   
Type Extended abstract

#### Recent Submissions

**Discriminating between natural and anthropogenic earthquakes: insights from the Emilia Romagna (Italy) 2012 seismic**

 1.0  2.0  atom



# DSpace-CRIS as a National Portal in Catalunya: <http://portalrecerca.csuc.cat/>

PRC

Portal de la Recerca  
de les Universitats de Catalunya

Home About PRC FAQ Contact us Language ▾

Search...

The whole portal ▾



Universities &  
Research centres

12



Departments,  
Institutes & Areas

385



Research projects

30,377



Research groups

1,519



Researchers

9,500



Publications

449,497



Theses

25,568

Els 258 professors d'investigació ICREA han rebut 74 milions d'euros de finançament extern (any 2016)

Des de l'any 2001, la Institució Catalana de Recerca i Estudis Avançats (ICREA) ha reunit una comunitat de científics i acadèmics d'alt nivell de tot el món que treballen en el sistema de recerca català i en totes les disciplines acadèmiques, des de la filosofia a l'astrofísica.

Collecting data about researchers, organizations, projects, publications from all the Catalan Universities

Run by the Consorci de Serveis Universitaris de Catalunya as a national service to raise visibility and awareness about Catalan Research

**4SCIENCE**  
Share your knowledge

# DSpace-CRIS: how?

- Every institution can upgrade their DSpace installation to DSpace-CRIS, extending the management of research publications by creating new entities such as Researchers and Projects
- Your publications will be safely managed as before, adding the advantage of linking them to relevant information such as authors, datasets, projects, metrics, networks, statistics and much more

# DSpace-CRIS: when?

- Now: every moment is appropriate to enhance your repository, to support your research community and make your service more relevant for the institutional strategy
- Upgrading from DSpace to DSpace-CRIS or installing a brand-new “extended” repository does not take much extra effort and it is largely rewarded by the extraordinary results that you can get
- As an extra security DSpace-CRIS does not alter the structure of the current objects managed by DSpace, so you can go back from DSpace-CRIS to DSpace at any time just dropping (a lot of) extra tables... but we are confident that you will not want to do that 😊

# DSPACE-CRIS in a nutshell



**Version 5.7 RC & 6 RC available now on GitHub**

**Participate in our Testathon!** <http://test.dspace-cris.4science.it>

More than 80 DSpace-CRIS installations worldwide:

Asia | North America | South America | Europe | Australia | Africa

The only open-source CRIS, maintained in the context of  
a vast and authoritative worldwide community.

Documentation and software available on the DSpace Wiki:

**4Science:** a DSpace Registered Service Provider, with two DSpace Committers, the Lead of the REST API sub-team for DSpace 7, and a member in the Steering Group



A **longtime commitment** in open source, open standards, interoperability, contributing to the most relevant international communities.



ORCID

Connecting Research  
and Researchers



Where to find us next?

TPDL 2017  
Thessaloniki  
18-21 Sept

German DSpace  
User Group  
Meeting  
Stuttgart  
21 Sept

euroCRIS  
Fall Meeting  
Bratislava  
20-22 Nov

And more  
to come!

# Thanks for your attention!

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orcid: 0000-0002-9029-1854