

# DSpace-CRIS: new features and contribution to the DSpace mainstream

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Luigi Andrea Pascarelli, Riccardo Fazio

# DSpace and “extended” DSpace

- DSpace is the most popular Digital Asset Management System in the world
- 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?

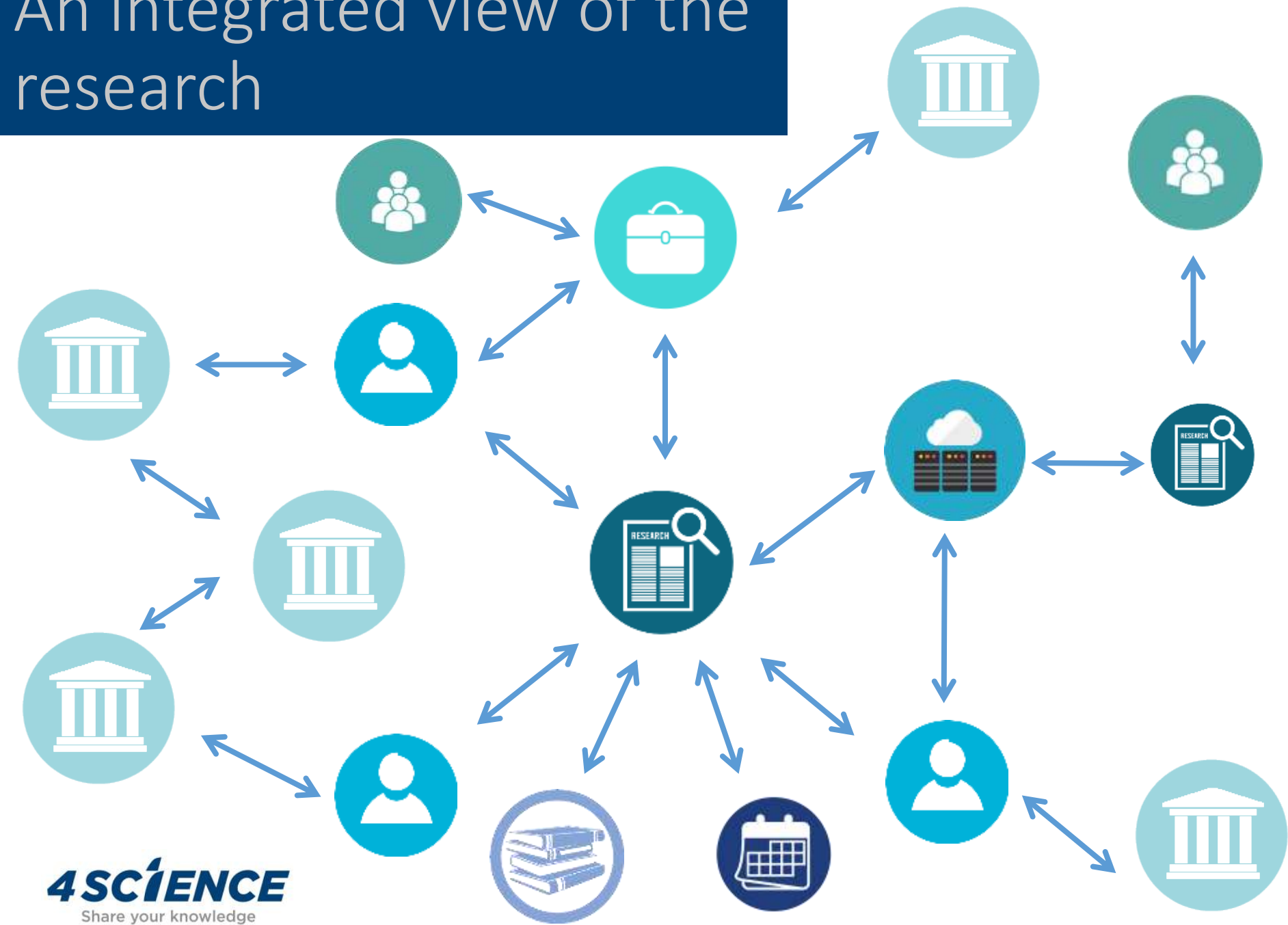
# DSpace-CRIS: what?

- 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
- 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

# DSpace-CRIS: why?

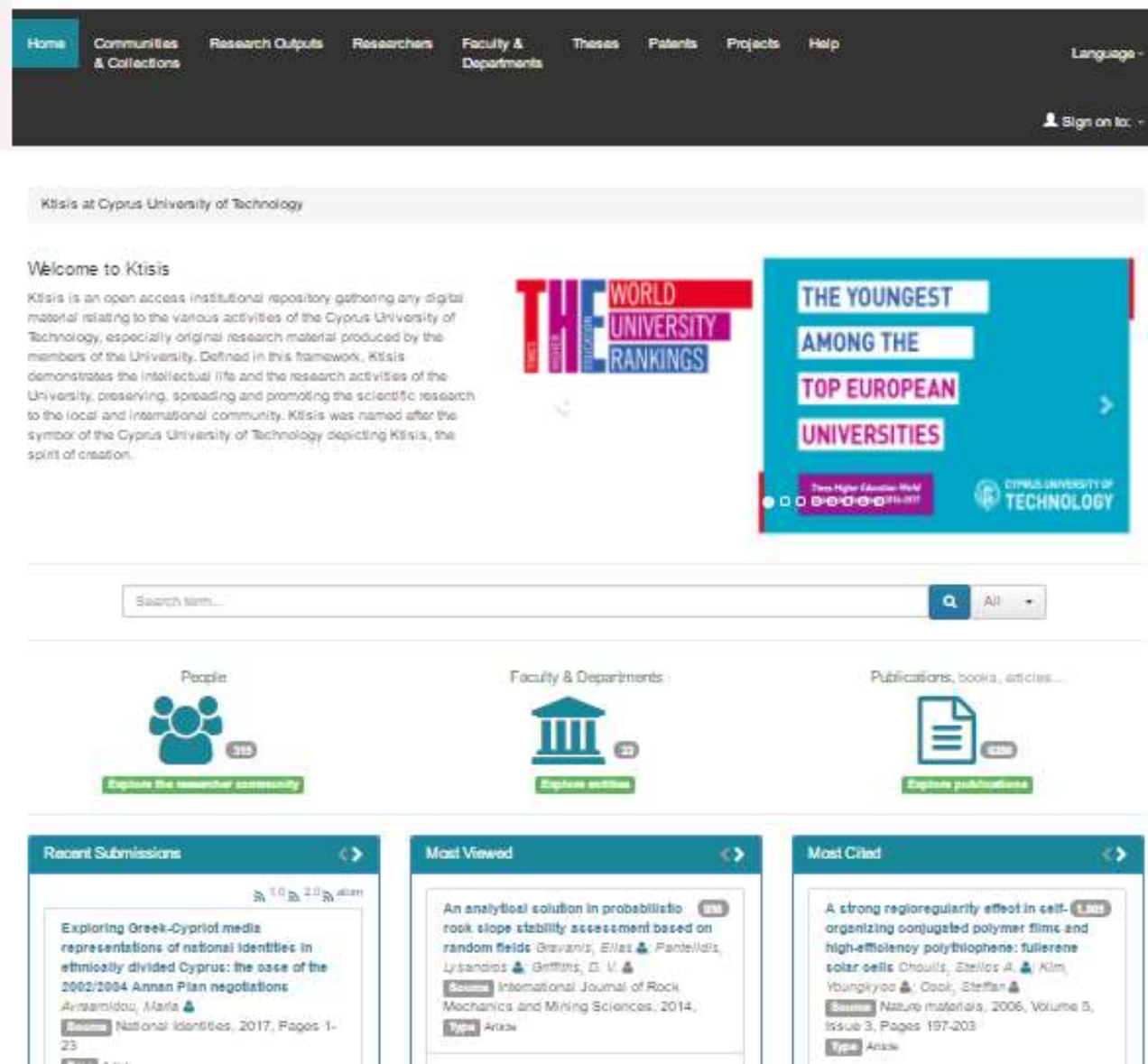
- Buying a commercial platform to manage Research Information (a CRIS or RIMS) is expensive and binds your institutions to a proprietary system
- DSpace-CRIS is free, open source, compliant with open standards, and provides your institution with a sustainable and effective tool to manage research information such as researchers' profiles, department pages, project grants & awards, research outputs, metrics, reports and statistics

# An integrated view of the research



# 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.



# DSpace-CRIS use cases: an item

Ktisis at Cyprus University of Technology / Cyprus University of Technology Repository / Αρθρα/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) 1478-4660 (online)
DOI:	10.1038/nmat1574

SCOPUS<sup>1M</sup>  
Citations

1,805 

checked on Apr 8, 2017

1

WEB OF SCIENCE<sup>1M</sup>  
Citations

1,759 

checked on May 11, 2017

1



Page view(s)

234 

Last Week  
11

Last month  
50

checked on Jun 12, 2017

1



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



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





# 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

## Profile



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

0000-0002-3854-1437

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: a researcher


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: a researcher

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).

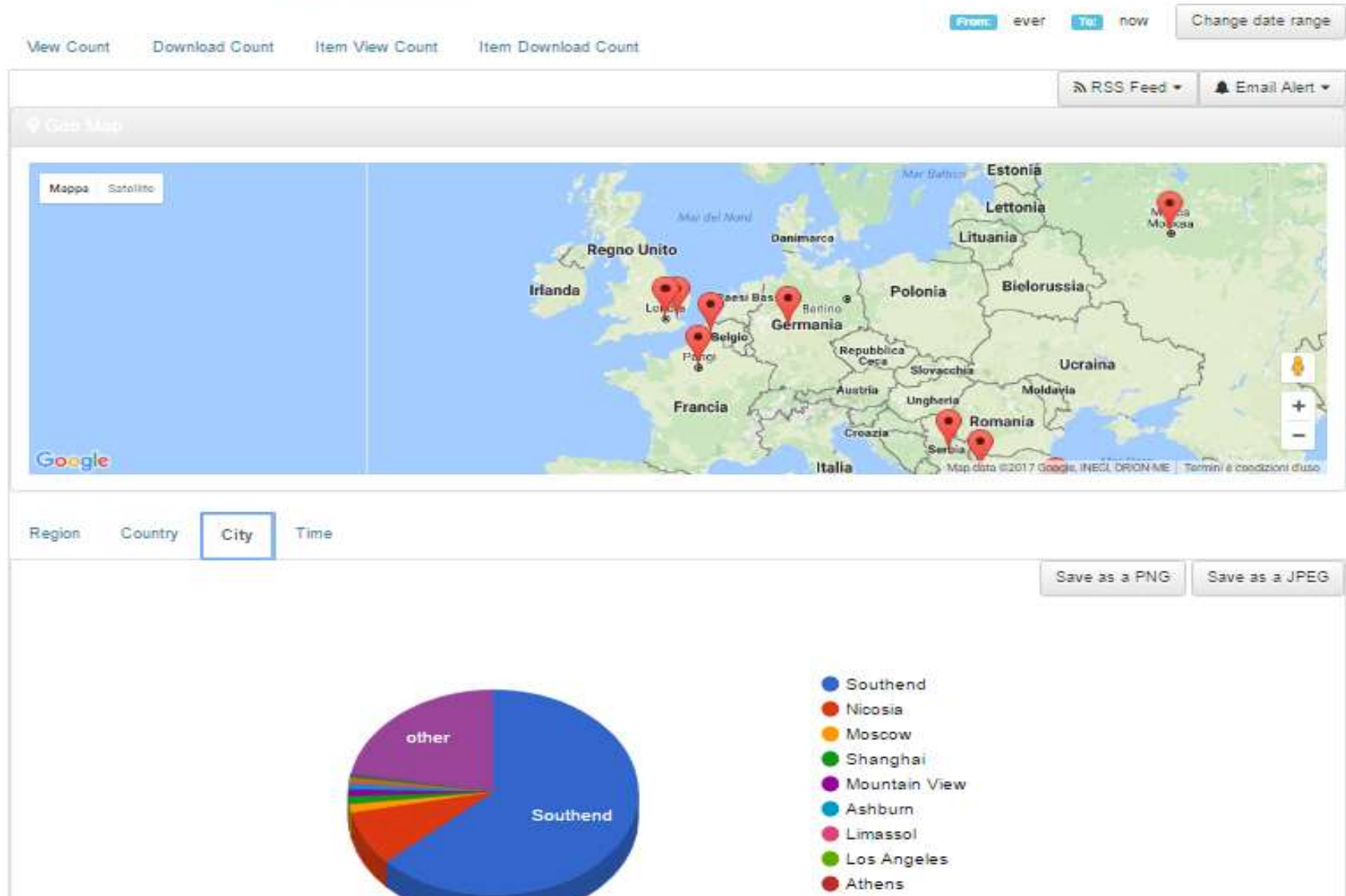
1 2 3 4 5 6 7 →

☐ Refman ☐ EndNote ☒ Bibtex ☐ RefWorks ☐ Excel ☐ CSV ☐ Send via email

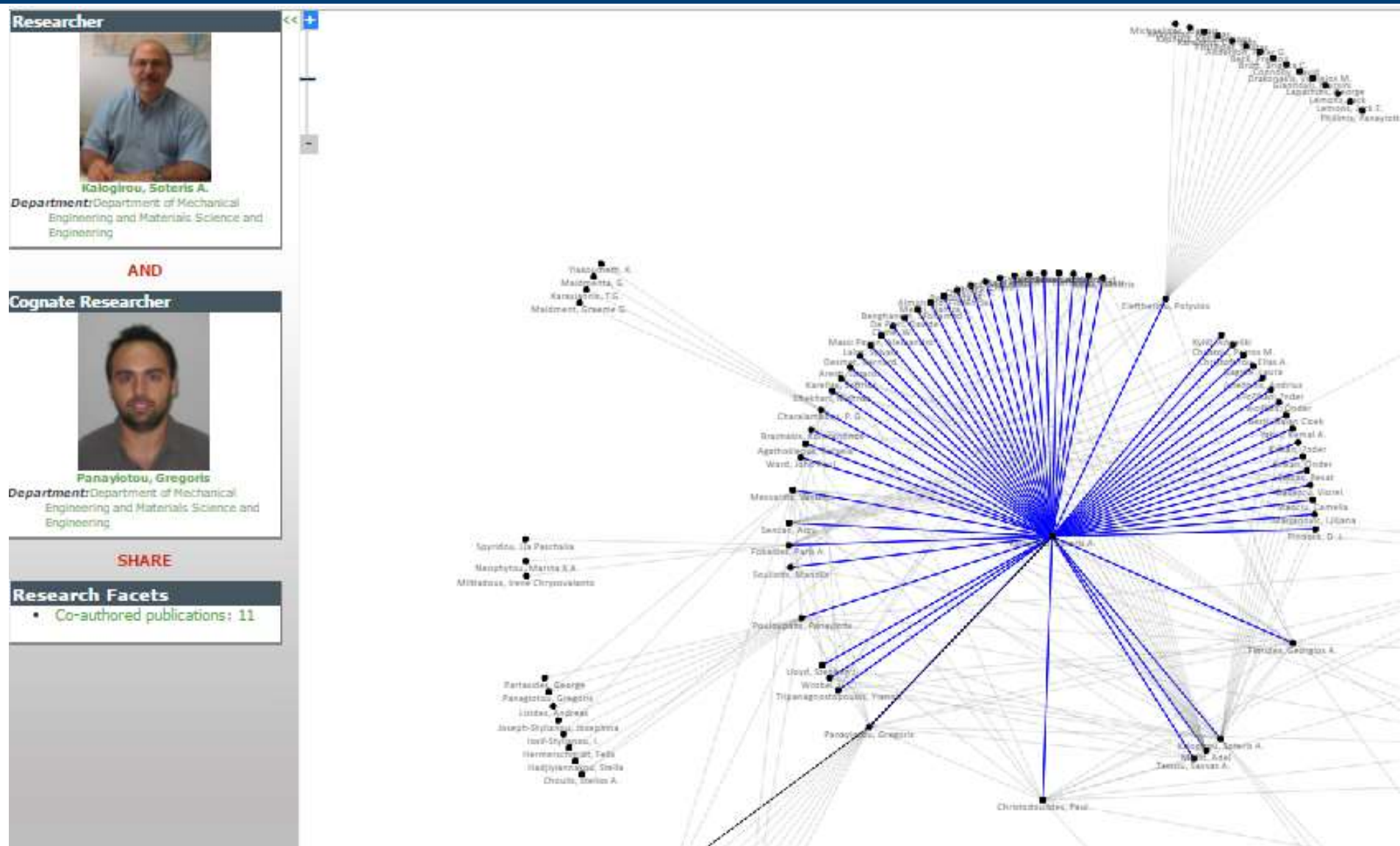
<input type="checkbox"/>	Issue Date	Title	Author(s)
<input type="checkbox"/>	1 2012	A detailed thermal model of a parabolic trough collector receiver	Kalogirou, Soteris A.
<input type="checkbox"/>	2 2005	A new approach using artificial neural networks for determination of the thermodynamic properties 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: a researcher

Researcher Profile Statistics: Kalogirou, Soteris A.



# DSpace-CRIS use cases: a researcher





# DSpace-CRIS use cases: a researcher

The screenshot displays the DSpace-CRIS interface for a researcher. A modal window titled "Claim Researcher Page" is open, prompting the user to check an encrypted email string and click "Go" to validate the email and claim the profile. Below this, there is a "Login via ORCID to claim this profile:" section with an "ORCID Login" button featuring the ORCID logo. The background shows the researcher's profile page for Soteris A. Kalogirou, including a photo, full name, Greek name, and department information.

**KTISIS**  
Ιδρυματικό Καταθετήριο  
Τεχνολογικού Πανεπιστημίου Κύπρου

Home Communities & Collections Research Outputs

Language ▾

Sign on to: ▾

Ktis is at Cyprus University of Technology

Kalogirou, Soteris A.

Profile Bibliometrics Publications

Profile

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

Department Department of Mechanical Engineering and Materials Science and Engineering


Claim Researcher Page

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.

Emails: s o t e r i s a . k a l o g i r o u @ c y p r u s . c u . c y

Go

Login via ORCID to claim this profile:

ORCID Login 

Close

Mail Alert RSS Feed Claim profile



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

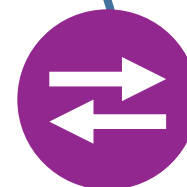


Connect local profile with the ORCID registry



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.dspspacecris@mailinator.c  
om

## 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-s2.0-00000000117



**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 source using spreadsheet

# DSpace-CRIS: interoperability [NEW]

- Connect to VIAF records and Getty Vocabularies for precise identification of person, 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 of

Brisbane [Queensland, Australia, ... World]

Publisher

- It has been reported to work nicely with «plan» DSpace, just get 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 his 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:	<a href="#">Bollini, Andrea</a>
Issue Date:	2016
Project:	<a href="#">Gamma ray burst</a>
Related Publication:	<a href="#">Research Data sample item</a>
Conference:	<a href="#">Conference on High Energy</a>
Abstract:	This is the sample data model configuration sheet for the DSpace-CRIS batch startup metadata configuration.
URI:	<a href="http://hdl.handle.net/123456789/13">http://hdl.handle.net/123456789/13</a>
Appears in Collections:	<a href="#">Datasets</a>

Show full item record

SCOPUS™ Citations

10

checked on Nov 8, 2016

WEB OF SCIENCE™ Citations

45

checked on Nov 8, 2016

*person(s)*

*project(s)*

*publication(s)*

*event(s)*

Title:	DSpace-CRIS 5 Technical documentation
Authors:	<a href="#">Bollini, Andrea</a> <a href="#">Pascarelli, Luigi Andrea</a>
Issue Date:	2016
Project:	DSpace-CRIS Open Source: CRIS made easy with DSpace
Related Dataset:	<a href="#">Example of CSV to import items into repository</a> <a href="#">Example of XLS to import organizations into repository</a> <a href="#">Example of XLS to import projects into repository</a> <a href="#">Example of XLS to import researchers into repository</a> <a href="#">Example of XLS to import journals into repository</a> <a href="#">Example of XLS to import events into repository</a> <a href="#">Example of XLS to setup CRIS data model</a>
Journal:	<a href="#">Music and waves</a>
Abstract:	The DSpace-CRIS technical documentation provides useful information to setup, configure and use the DSpace-CRIS system.

*back link*

**4SCIENCE**  
Share your knowledge

# 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 extendible 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

DSpace-CRIS DEMO / Research Output / Datasets

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

Title: Free World Cities Database

Authors: [Pascarelli L.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: <https://www.maxmind.com/en/free-world-cities-database>  
<http://hdl.handle.net/123456789/31>

Appears in [Datasets](#)  
Collections:



Page view(s)

**341** 

Last Week  
11

Last month

checked on Apr 12, 2017



Download(s)

**352** 

checked on Apr 12, 2017



Google Scholar<sup>IM</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 San ...	alojamie...
-16.666047	28.116...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.636497	28.157...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.366122	28.512...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.35427	28.496...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.3502...	28.525...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.425668	28.502...	turismo	Vilaflor	Los F...	Cm San ...	alojamie...
-16.300875	28.408...	turismo	Vilaflor	Los F...	Cm San ...	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

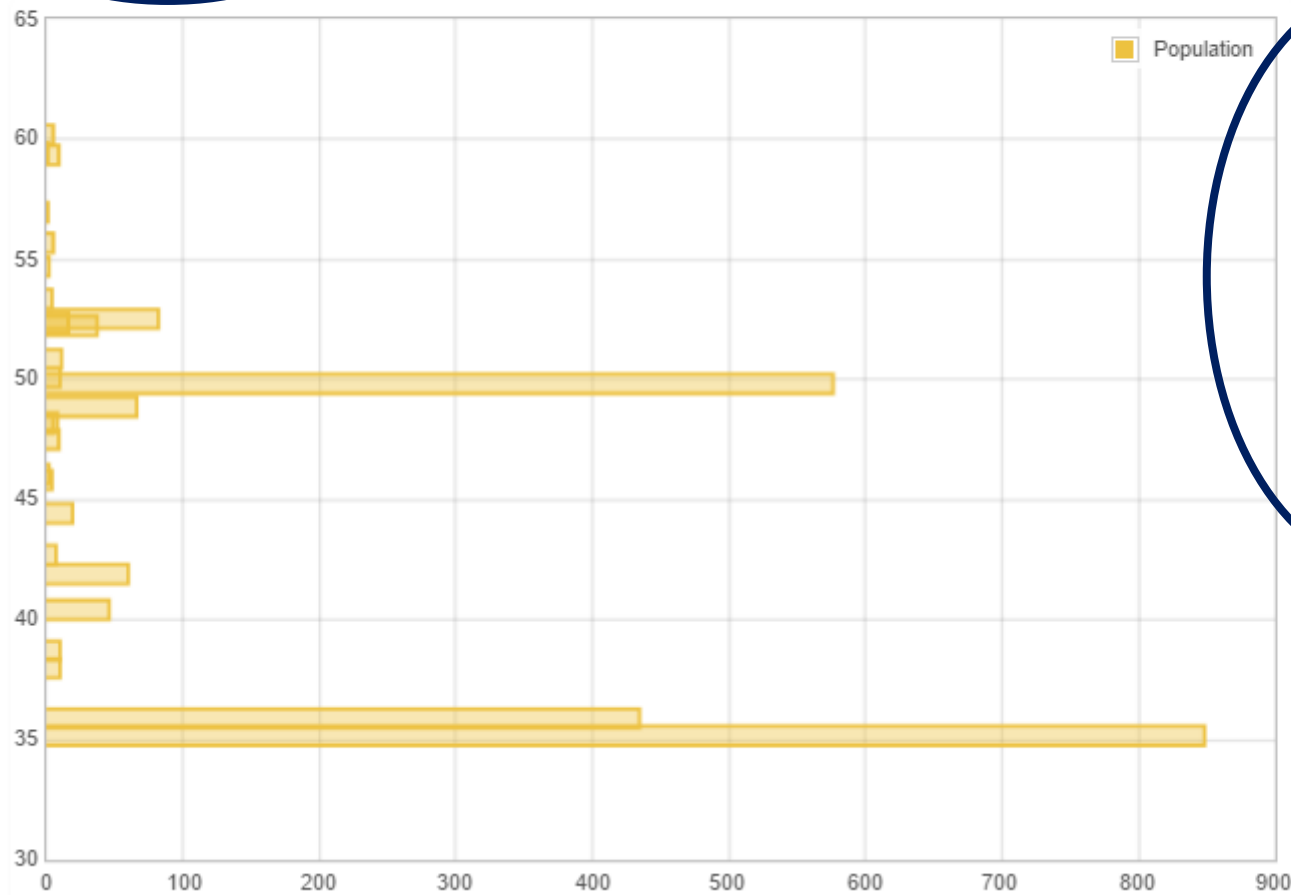
« 1 – 0 »

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

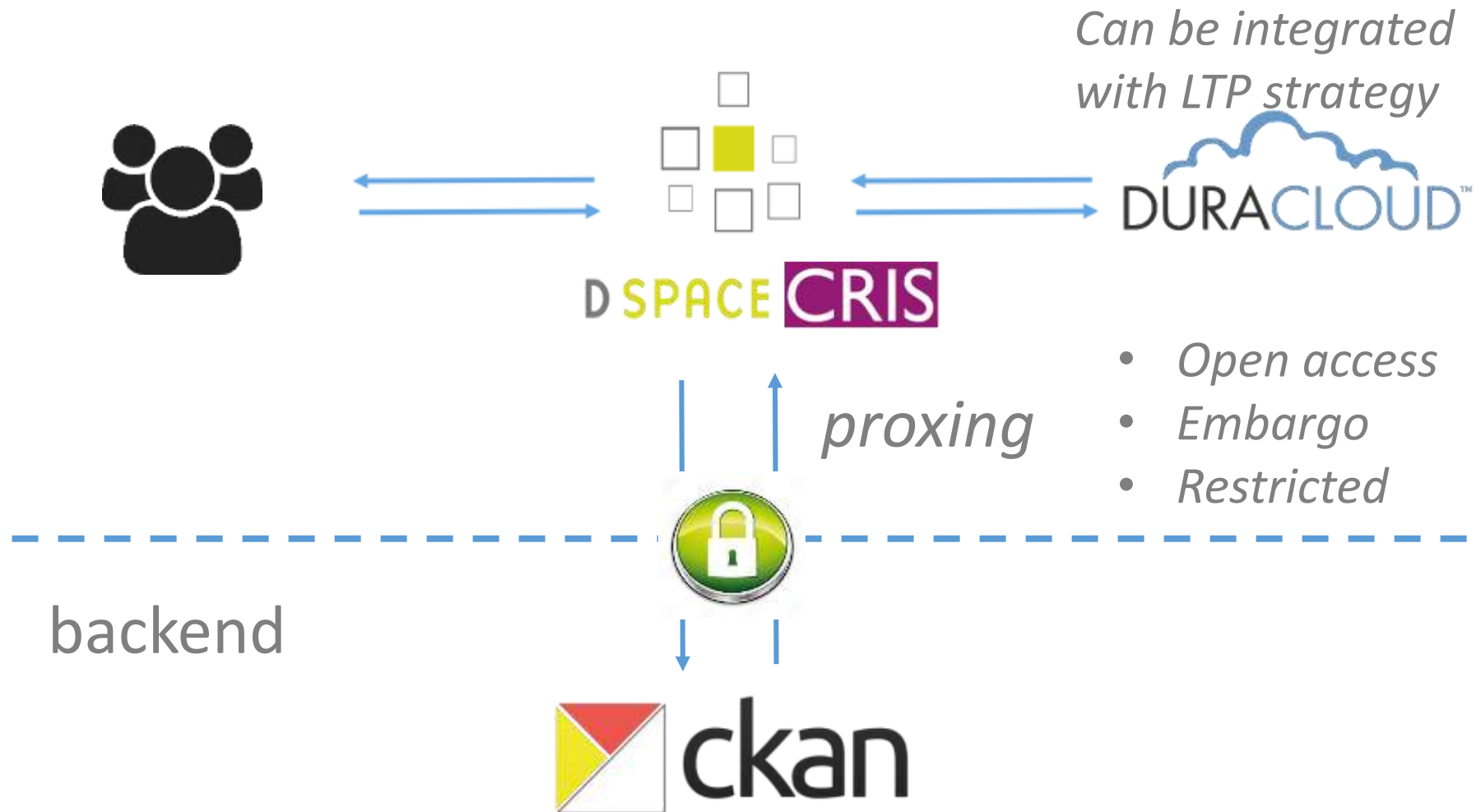
lon	lat	clase	municipio	nombre	dirección	actividad
-16.637585	28.1580...	turismo	Vilaflor	Hotel Vill...	Cm San ...	alojamie...
-16.637835	28.1549...	turismo				
-16.662599	28.1216...	turismo				
-16.636974	28.1593...	turismo				
-16.636297	28.1585...	turismo				
-16.66551	28.1187...	turismo				
-16.666047	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	28.4085...	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

# CKAN Integration Add-On: architecture



# DSpace-CRIS use cases: beyond publications

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

Video and audio files need streaming and similar capabilities

The viewer framework used by the CKAN integration is also used by the 4Science addons to provide IIIF capabilities and audio/video streaming to your repository (also available for standard – not CRIS installation)

More on that standards and solutions in my next presentations (noted at the end of these slides)



# 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

## CÓMO CONSULTAR DIGITAL.CSIC

### 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](#)

## I 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

**4SCIENCE**

Share your knowledge

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

### Most Downloaded

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

### Recent Submissions

 1.0  2.0  **Discriminating between natural and anthropogenic earthquakes: insights from the Emilia Romagna (Italy) 2012 seismic**



# DSpace-CRIS as a National Portal in Catalunya:

<http://portalrecerca.csuc.cat/>

**PRC** Portal de la Recerca de les Universitats de Catalunya

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 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
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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

# 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 doesn’t alter the structure of the current DSpace managed Entity so you can turn back from DSpace-CRIS to DSpace at any time just dropping (a lot of) extra tables...honestly, I’m not sure you’ll 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

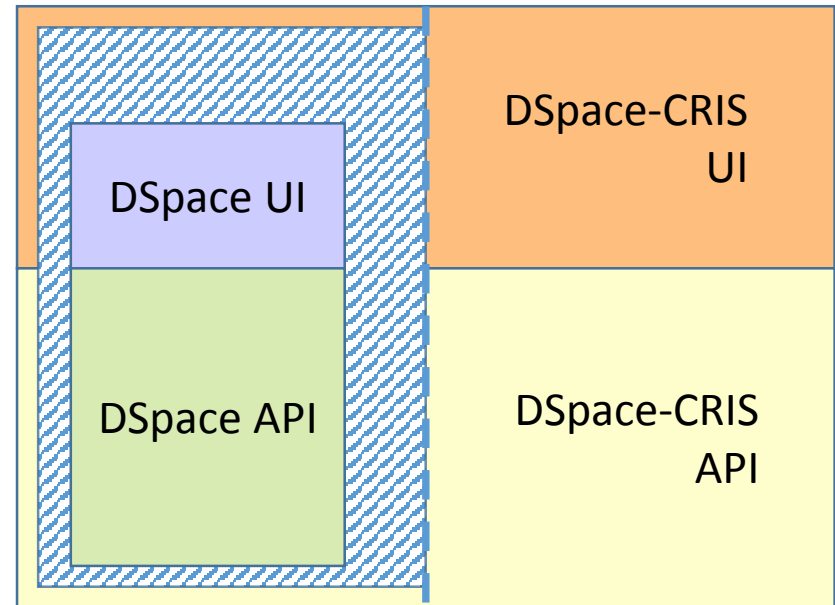
The only open-source CRIS, maintained in the context of  
a vast and authoritative worldwide community.

Documentation and software available on the DSpace Wiki:

# DSpace-CRIS: roadmap

- Functional improvements for both 5.x & 6.x:
  - Switch to the ORCID v2 API
  - Expose all the entities over OAI-PMH (support for CERIF)
  - Support for nested metadata in DSpace items, i.e. affiliation of authors
  - Additional integration: ADS, DBLP, connection with projects database (OpenAIRE, etc.)
- Roadmap online at:  
<https://wiki.duraspace.org/display/DSPACECRIS/Project+RoadMap>

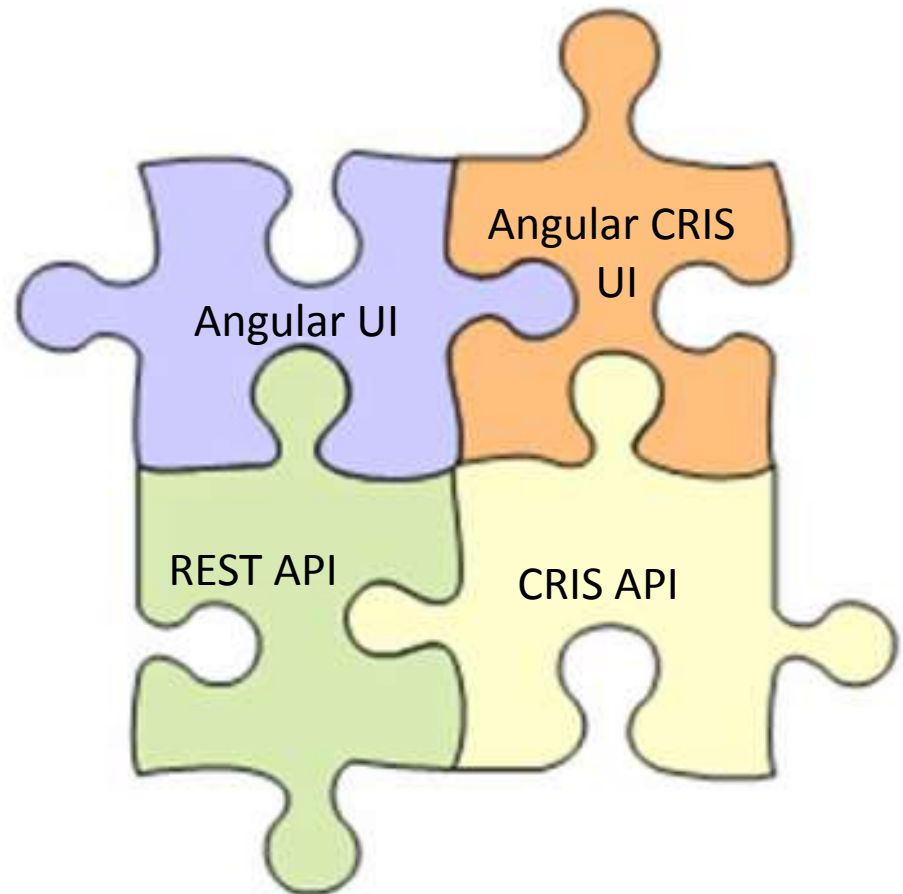
# DSpace-CRIS: current architecture



Existent gap of functionalities implemented in DSpace-CRIS but useful for any kind of DSpace repository: better statistics, deduplication, feed from Scopus, WoS, Pubmed Europe, 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



**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





# Thanks for your attention

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## **Panel Discussion: COAR Next Generation Repositories: Results and Recommendations**

Session: General track 7: Repository innovation - what is next?

Room: Ballroom A Session time: 28/Jun/2017, 3:30pm - 4:30pm

## **DSpace for Cultural Heritage: adding support for images visualization, audio/video streaming and enhancing the data model**

Session: DSpace IG 3: Integrating DSpace

Room: Ballroom C Session time: 29/Jun/2017, 3:30pm - 5:00pm