

4SCIENCE

SHARE YOUR KNOWLEDGE

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

DSpace-CRIS introduction
euroCRIS SMM, Bratislava, 2017 Nov. 21st

www.4science.it

DSpace and “extended” DSpace

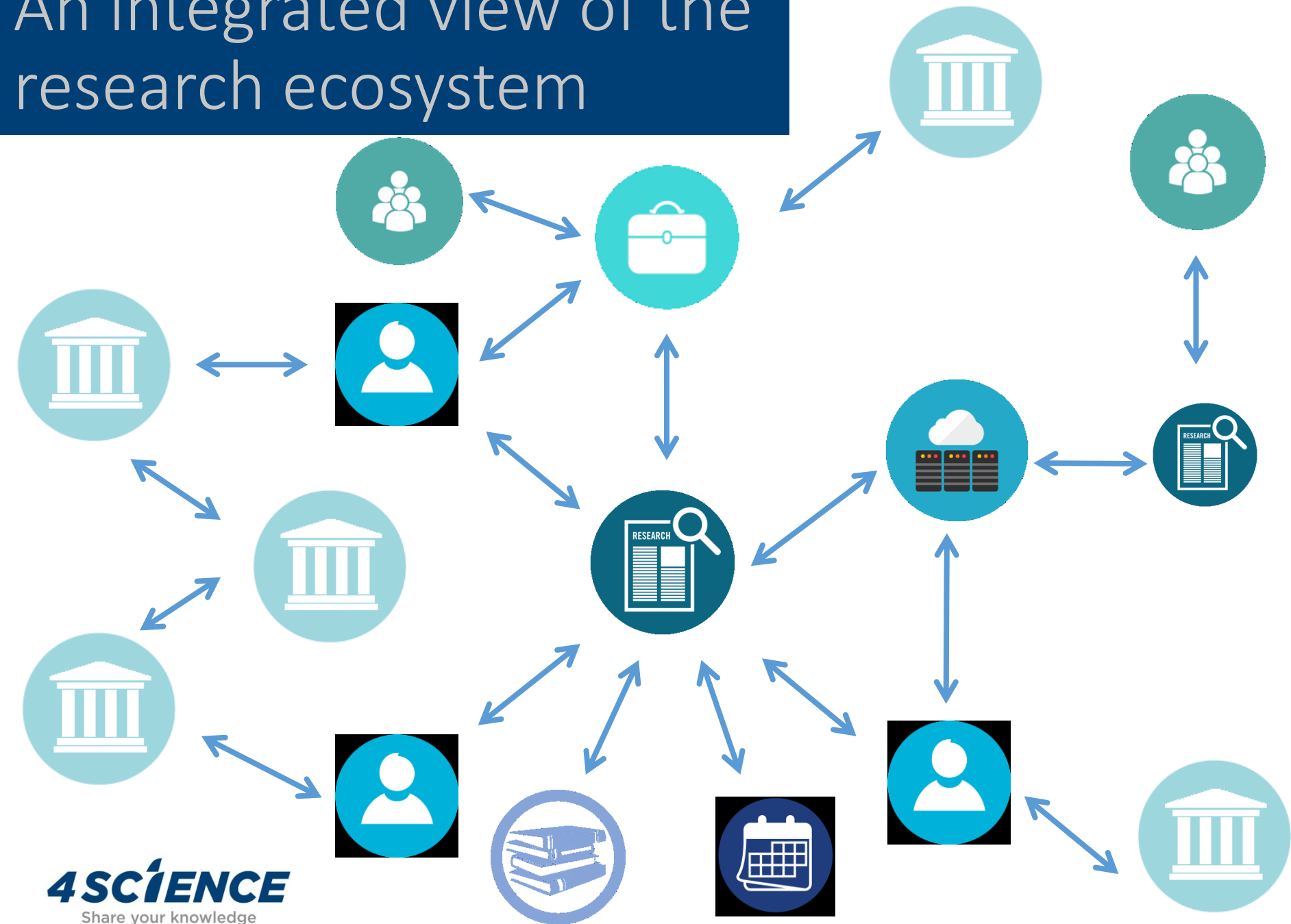
- DSpace is the most popular free open-source Digital Asset Management System in the world, used for Institutional Repositories to manage publications...
- ...but more and more HE and Research Institutions are asking for Research Information & Data Management tools
- Why not using an “extended” version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

An integrated view of the research ecosystem



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



DSpace-CRIS: why?

- DSpace-CRIS extends the use of DSpace where more sophisticated management of the entities that populate a specific domain is needed:
 - E.g. Researchers as authors for publications
 - E.g. Departments as aggregation level

(no need to implement full functionality of a CRIS to benefit from its advantages in several use cases)

- DSpace-CRIS is particularly useful also for institutions that have already implemented a CRIS with a commercial tool, so they can expose some CRIS information as public and exploit the dissemination power of DSpace-CRIS to achieve visibility

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 is a dark navigation bar with links: Home, Communities & Collections, Research Outputs, Researchers, Faculty & Departments, Theses, Patents, Projects, and Help. A 'Language' dropdown is on the right. Below the navigation bar is a header section with the title 'Ktisis at Cyprus University of Technology'. The main content area features a 'Welcome to Ktisis' message, a 'THE WORLD UNIVERSITY RANKINGS' graphic, and a 'THE YOUNGEST AMONG THE TOP EUROPEAN UNIVERSITIES' graphic. A search bar is located below these graphics. Below the search bar are three main widgets: 'People' (315), 'Faculty & Departments' (22), and 'Publications, books, articles...' (5206). At the bottom, there are three columns: 'Recent Submissions', 'Most Viewed', and 'Most Cited', each displaying a list of research outputs with details like title, authors, and source.

DSpace-CRIS use cases: an item

Ktisis at Cyprus University of Technology / Cyprus University of Technology Repository / Ap8pa/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 α 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: <http://ktisis.cut.ac.cy/handle/10488/7613>

ISSN: 1478-1122 (print)
1478-4000 (online)

DOI: 10.1038/nmat1574

SCOPUS^{1M}
Citations

1,805 

checked on Apr 8, 2017

1

WEB OF SCIENCE^{1M}
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^{1M}

Check



Altmetric

DSpace-CRIS use cases: a researcher

Kalogirou, Soteris A

Profile

Bibliometrics

Publications

Projects

Network Lab


View Statistics

Email Alert

RSS Feed

Claim profile

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

0000-0002-3654-1437

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



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

AND

Cognate Researcher

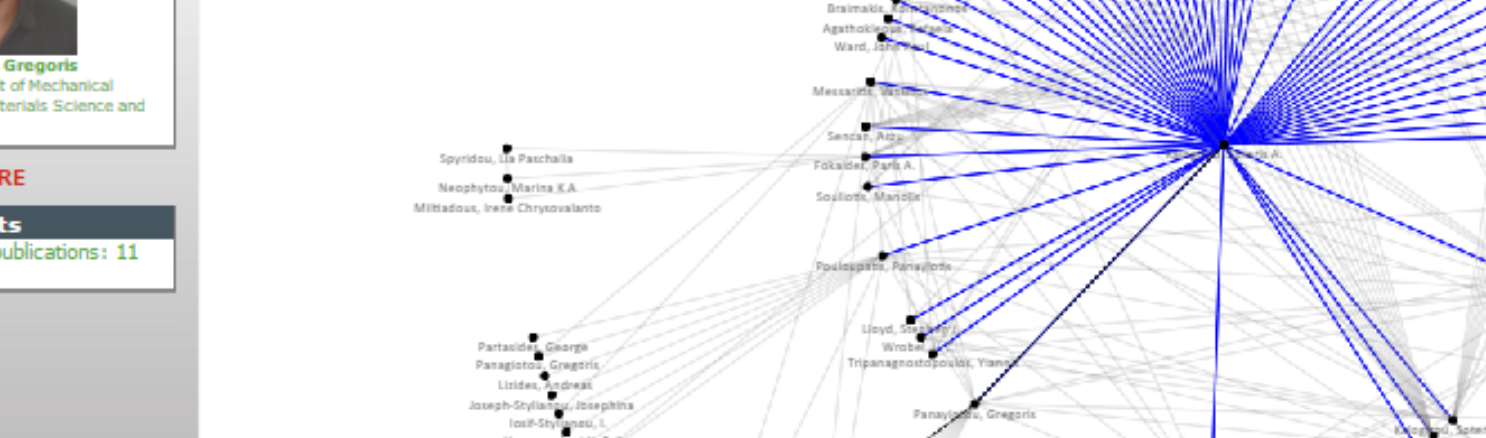


Panayiotou, Gregoris
 Department: Department of Mechanical Engineering and Materials Science and Engineering

SHARE

Research Facets

- Co-authored publications: 11



DSpace-CRIS use cases: statistics

Researcher Profile Statistics: Kalogirou, Soteris A.

From: ever To: now

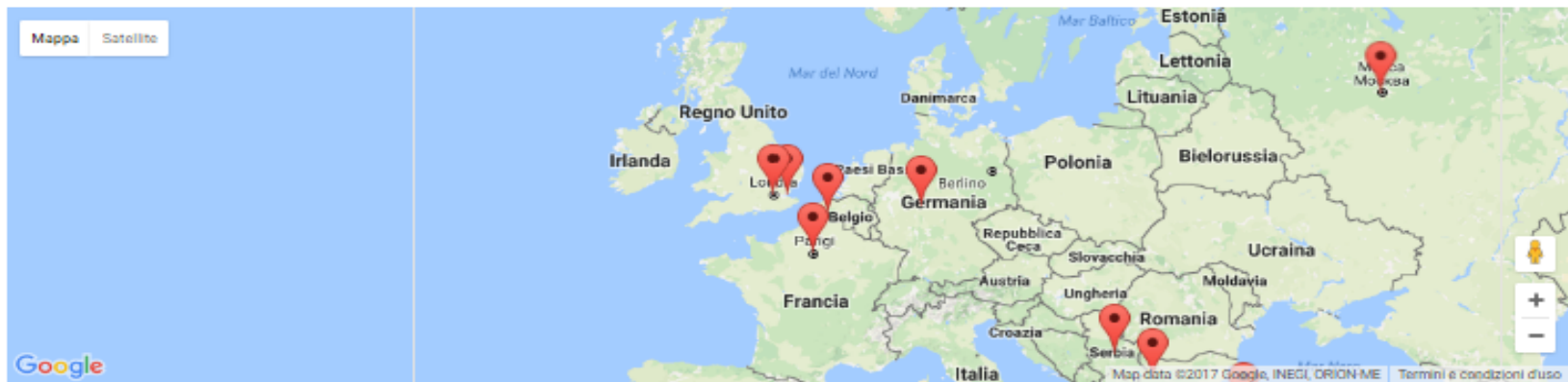
Change date range

View Count Download Count Item View Count Item Download Count

RSS Feed

Email Alert

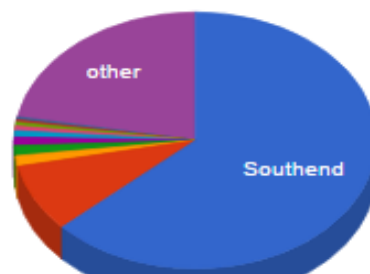
Geo Map



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: ORCID v.2

The screenshot shows a web interface for a researcher profile. A modal window titled "Claim Researcher Page" is centered on the screen. The modal 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 says "Emails: s o t e ***** @ ***** c . c y". There is a text input field and a green "Go" button. Below the input field, it says "Login via ORCID to claim this profile:" and there is a button labeled "ORCID Login" with the ORCID logo. At the bottom right of the modal is a "Close" button. The background shows a user profile for "Kalogirou, Soteris A." with a profile picture, a "Full Name" field, a "Greek Name" field, and a "Department" field. The department is "Department of Mechanical Engineering and Materials Science and Engineering". There are also links for "Profile", "Bibliometrics", and "Publications".

KΤΙΣΙΣ
Ιδρυματικό Καταθετήριο
Τεχνολογικού Πανεπιστημίου Κύπρου

Home Communities & Collections Research Outcomes

Ktisis 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

Language ▾

Sign on to: ▾

Mail Alert RSS Feed Claim profile

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 ***** @ ***** c . c y

Go

Login via ORCID to claim this profile:

ORCID Login

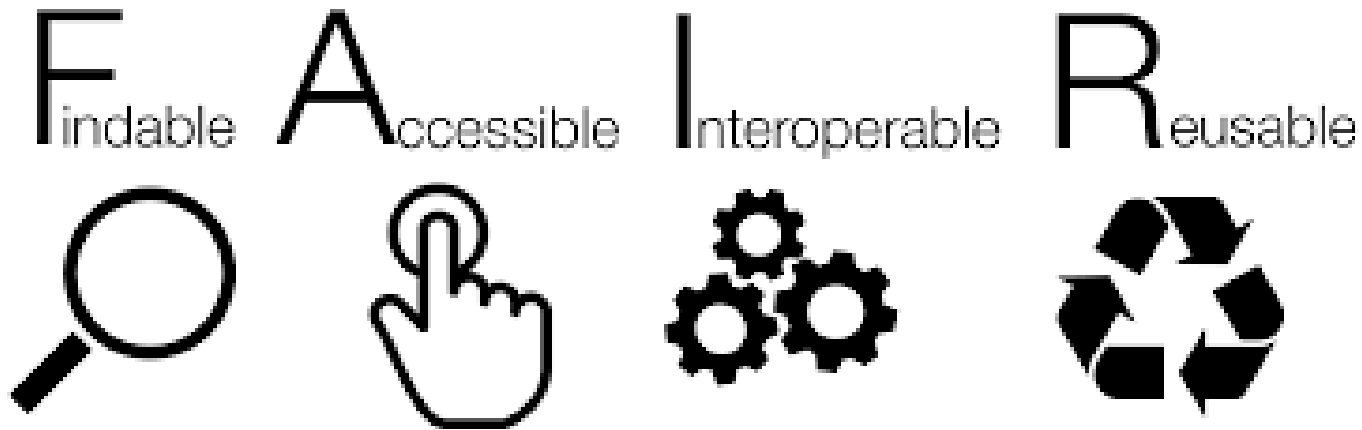
Close

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

- Using DSpace and CKAN together you can make your research data FAIR:



- <https://www.force11.org/group/fairgroup/fairprinciples>

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^{IM}

Check

Files in This Item:

File	Description	Size	Format
worldcitiespop.csv	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 Gira...	Cl Dolor...	alojamie...
-16.666047	28.116...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.636497	28.157...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.366122	28.512...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.35427	28.496...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.3502...	28.525...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.425668	28.502...	turismo	Vilaflor	Los Gira...	Cl Dolor...	alojamie...
-16.300875	28.405...	turismo	Vilaflor	Los Gira...	Cl Dolor...	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

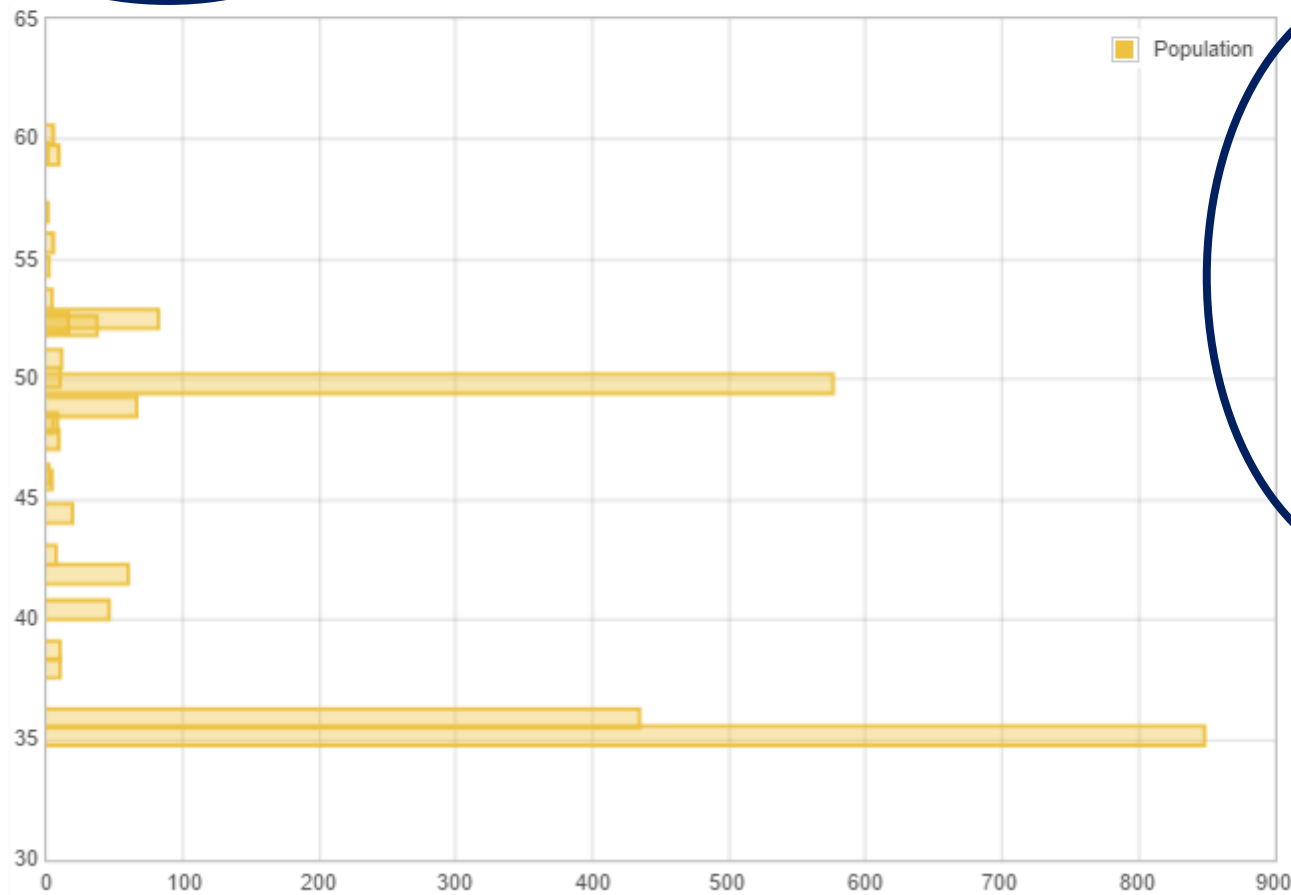
« 1 – 0 »

Search data ...

Go »

Filters

Fields



Graph Type

Bars

Group Column (Axis 1)

Latitude

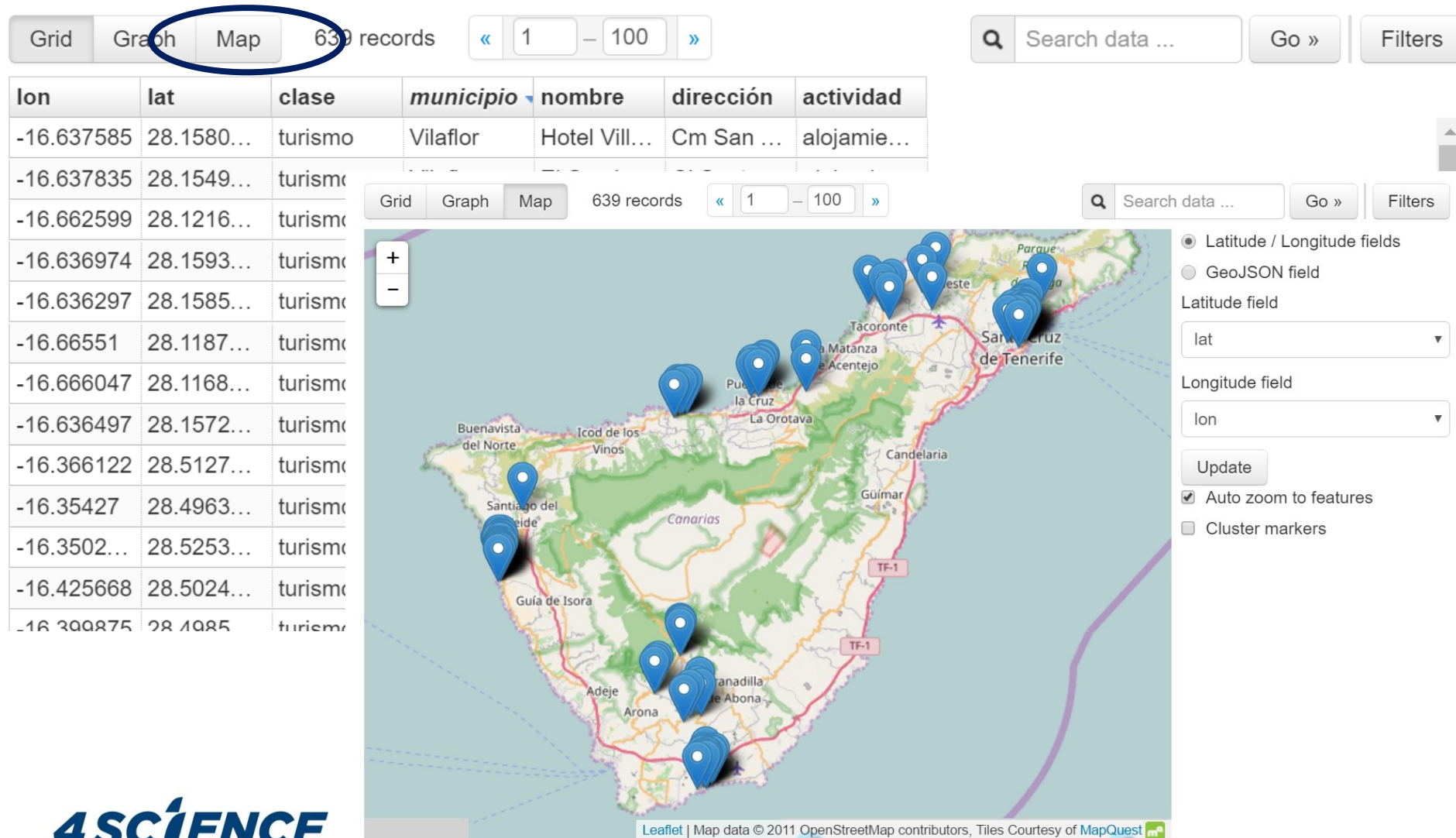
Series A (Axis 2) [Remove]

Population

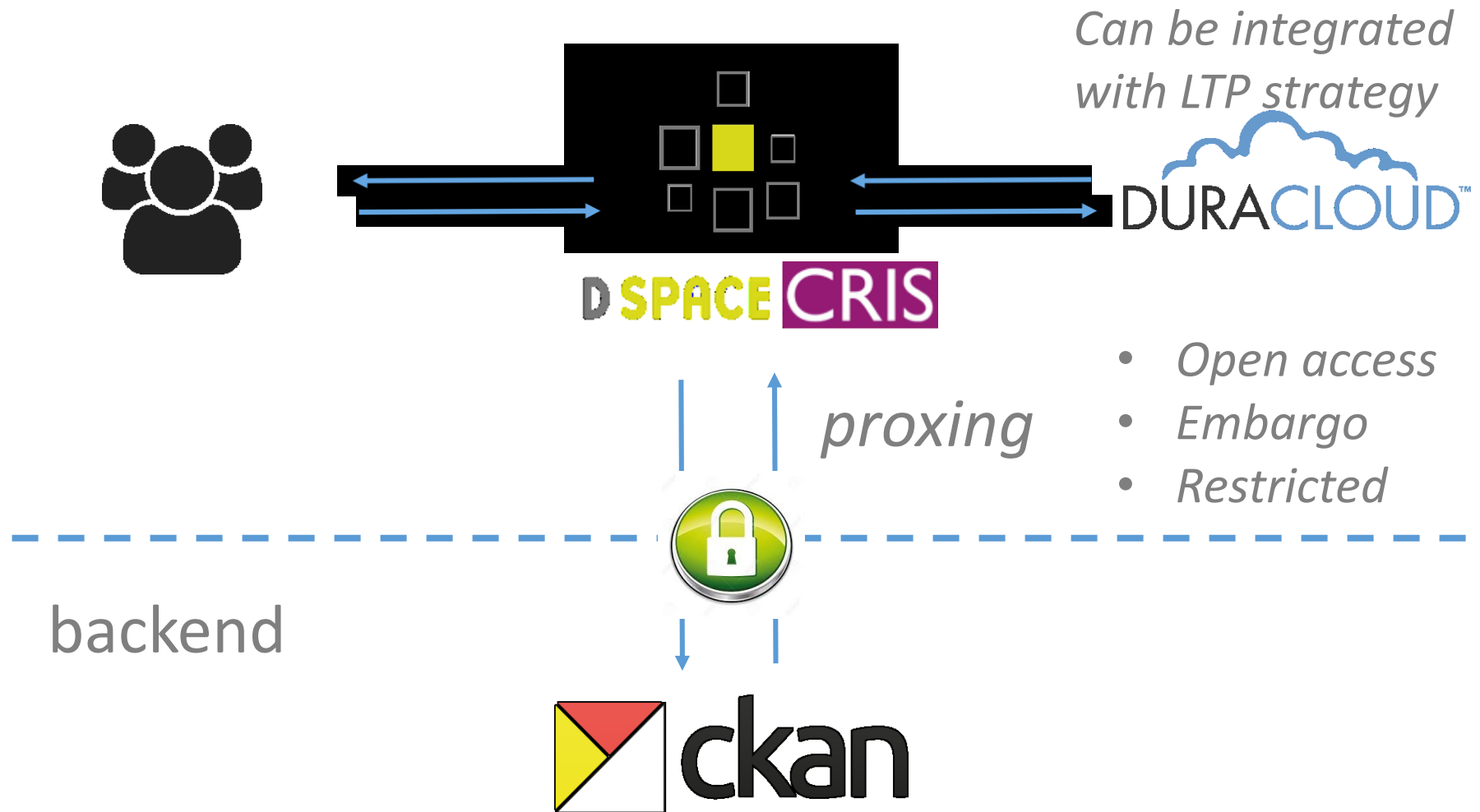
Add Series

CKAN Add-On Module: preview tabular & geospatial data

Interactive map visualization



CKAN Integration Add-On: architecture



DSpace-CRIS add-ons

The IIIF 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 priorities

- Interoperability (bi-directional)
- Open standards
- Persistent Identifiers
- Research data (integration with CKAN for data visualization and analysis)
- Digital libraries for Cultural Heritage

DSpace-CRIS: where?

- <https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Users>
- 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



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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

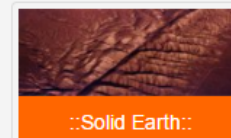
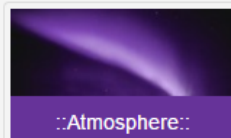
Welcome to the OA Earth-prints Repository!

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






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Antarctica): bedrock topography and ice
thickness Bianchi, C. ; Cafarella, L. ; De

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

Recent Submissions


 1.0  2.0  atom
**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

Home About PRC FAQ Contact us Language ▾

Search... The whole portal 

						
Universities & Research centres	Departments, Institutes & Areas	Research projects	Research groups	Researchers	Publications	Theses
12	385	30,377	1,519	9,500	449,497	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

<https://tinyurl.com/4s-dashboard>

DSpace-CRIS in a nutshell



Versions 5.8 & 6.2 available on GitHub

Almost 100 DSpace-CRIS installations worldwide:

<https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Users>

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

Documentation and software available on the DSpace Wiki:

<https://wiki.duraspace.org/display/DSPACECRIS/DSpace-CRIS+Home>

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



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



Thanks for your attention!

Where to find us next?

Open
Repositories
2018
Bozeman
4-7 Jun

CRIS 2018
Umea
June

And more
to come!

Susanna Mornati

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linkedin: susannamornati

orcid: 0000-0001-9931-3637