

TAIR 教育訓練 DSPACE CRIS7 初探

國立臺灣大學
圖書館系統資訊組
邱莉媛



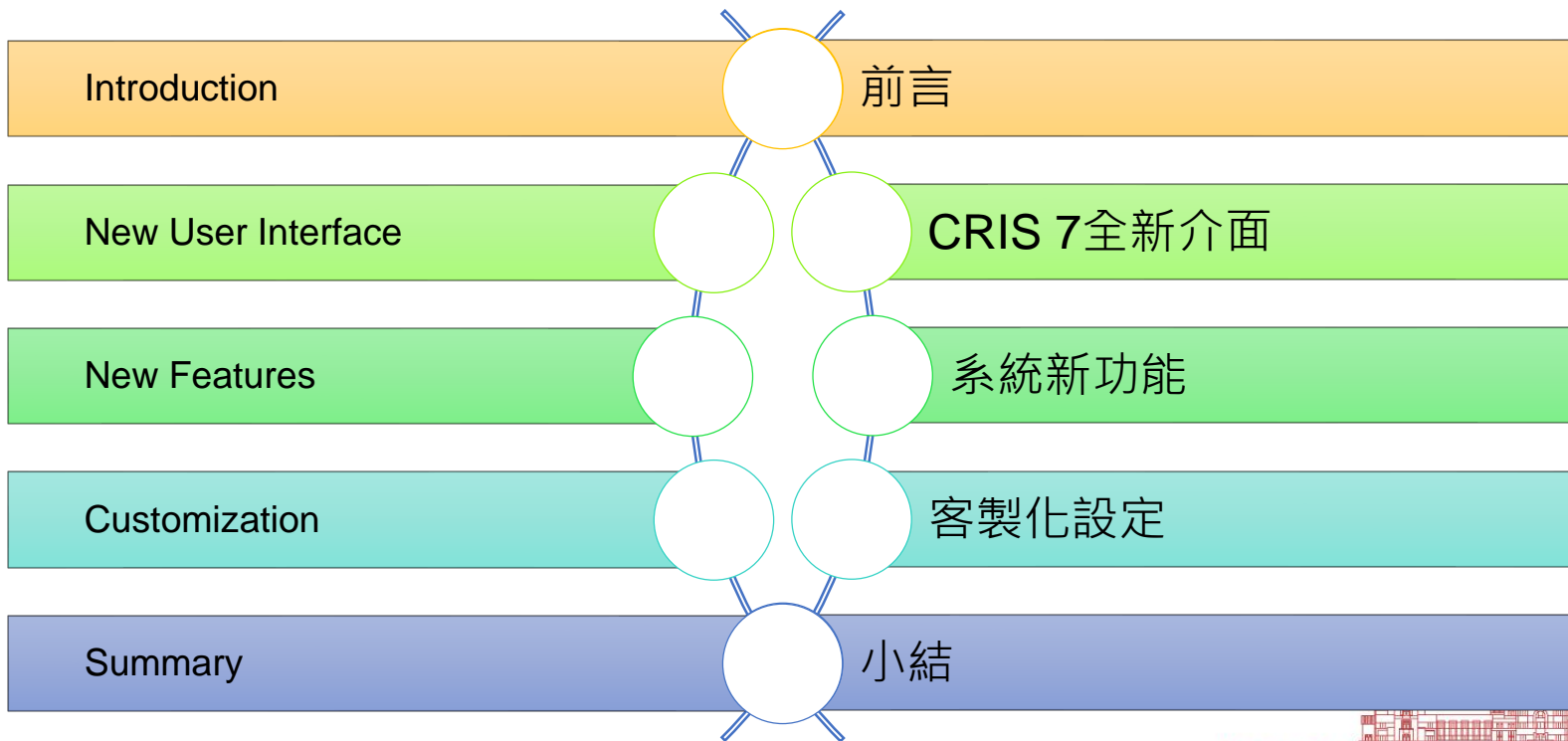
SINCE 1928



TAIR團隊

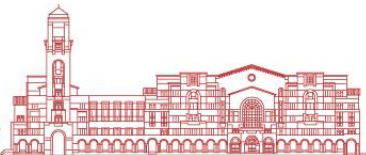
陳光華館長、陳慧華組長
吳瑟量、江玉婷、林柏源、蔡玉紋、邱莉媛

OUTLINE



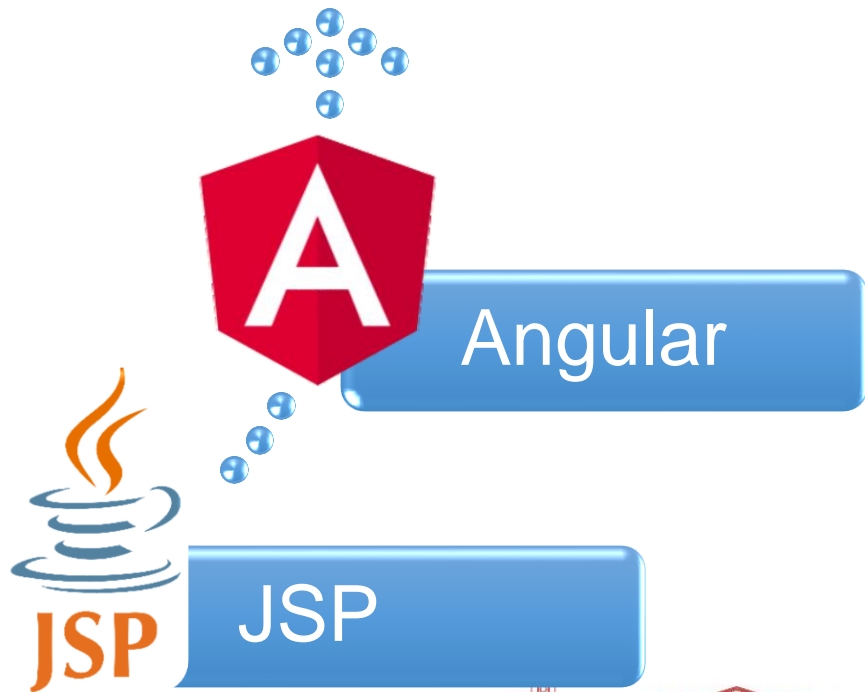
前言

- 舊TAIR系統
 - 研究資料管理功能佳，但較缺乏其他視角
 - 同一作者不同名稱彙整困難
- CRIS系統
 - 提供研究人員、研究單位、研究計畫等視角
 - 收錄計量與相關研究資料，可評估研究表現、分析研究趨勢
- 新一代CRIS7
 - 增加研討儀器、基礎設施等多面向資料

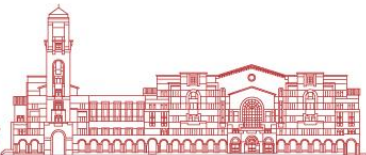


網頁技術大躍進

- CRIS7前台
 - 採用Angular平台
 - Typescript語言撰寫
 - Bootstrap、HTML5
- 既有Dspace系統
 - JSP撰寫



CRIS 7主要技術架構



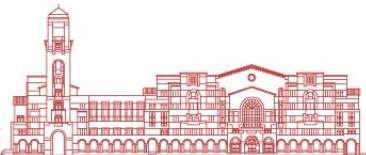
CRIS資料架構轉變

- Dspace CRIS 6 以前

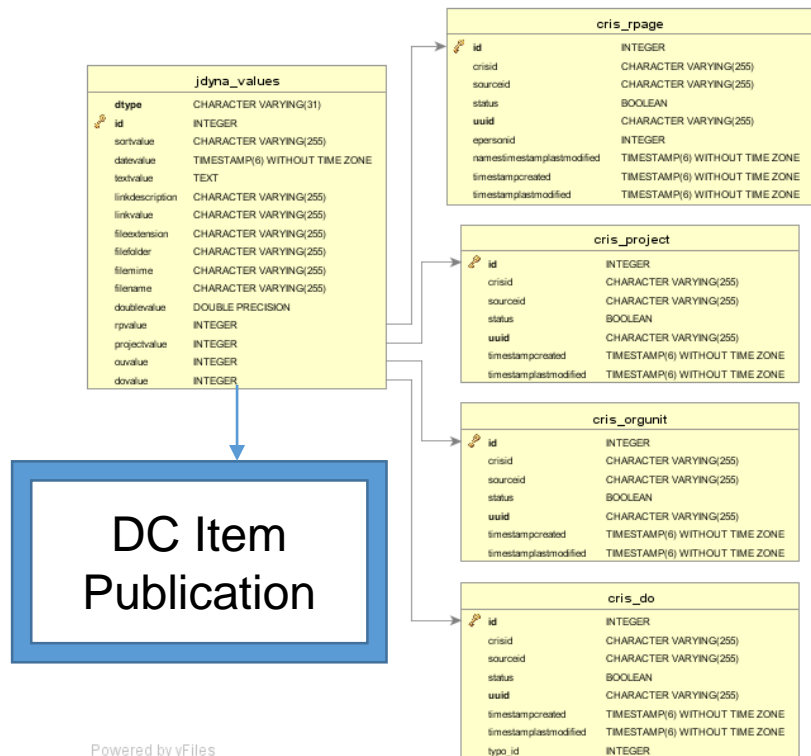
- 既有資料架構只有著作
用dublin-core(dc)欄位
- 其他的人員、機構、期
刊都是另外附加資訊

- Dspace CRIS 7

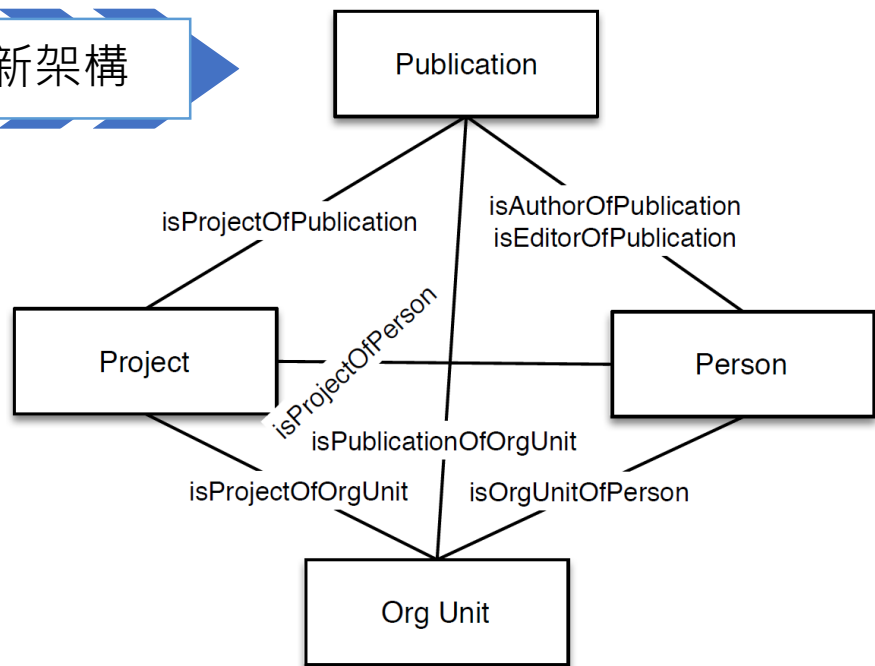
- 全部採用統一底層
dc欄位
- 建立彈性的關係連結



架構關係圖示

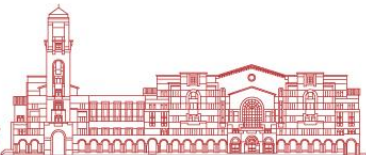


新架構



DSPACE vs DSPACE-CRIS

- DSPACE-CRIS是DSPACE的其中一個分支
- 目前全球有超過一百以上的單位或是機構採用
- 較原本DSPACE有許多加強功能
 - 較完整的人員資料架構
 - 彈性設定頁面
 - 加強圖形化視覺
 - 支援較多外部API
 - 完整的ORCID整合流程
 - 加強資料流程彈性與審查重複機制



CRIS7全新介面

前台頁面與研究者呈現資料方式

新首頁

DSpace-CRIS 7

DSpace-CRIS is the first free and open-source extension of DSpace for Research Data and Information Management ever developed.

Search the repository ... Search

Research outputs 65
Projects 6
People 21

Recent Additions

Publication
PathGraph: querying and exploring big data graphs
(2018) Dario Colaco

Person
Mecca, Vincenzo
Hi everyone! It's Vincenzo Mecca, a.k.a. Vins for friends, here! I'm a passionate FullStack developer at 4Science

Publication
A visual analytics system to support tax evasion discovery
(2018-06-0

Most viewed

Publication
Regional Portal FVG: Effective Interoperability Trough DSpace-CRIS and Open Standards
(2019) Piščanc J.; Trampus R.; © 2017 The Authors. Friuli-VeneziaGiulia (FVG) Regional Scientific System includes three Public Research
Scopus® Citations 1 3249 4

Person
Bollini, Andrea
I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methods
Scopus® H-index 2 23
Scopus® Cited By 30 Scopus® Citations 30
6 2712 2812

Person
Lombardi, Corrado
Experienced Java Developer with a demonstrated history of working in the Internet industry. Skilled in Extrem

Person
Stefano, Maffei
Stefano is a Software Engineer, with a degree in Computer Engineering. He has experience as a full-stack Java
219 34

Person
Perelli, Matteo
Matteo deals with the implementation of front-end services for the Digital Library. With a passion for new technologies.
200 18

4Science
4Science was established in 2015 to support universities, research and cultural institutes all around the world
449 441

Research Project
DSpace-CRIS
DSpace-CRIS is the first free open-source extension of DSpace for the Research Data and Information
350 316



Gandolini, Benedetta

GET INVOLVED!
Source Code
Documentation
Slack Channel

MAKE IT YOUR OWN
DSpace-CRIS can be extensively configured to meet your needs. Decide which information need to be collected and available with fine-grained security. Start updating the theme to match your Institution's web identity.

NEED PROFESSIONAL HELP?
The original creators of DSpace-CRIS at 4Science can take your project to the next level, get in touch!

Built with DSpace-CRIS software - Extension maintained and optimized by 4SCIENCE
Cookie settings Privacy policy End User Agreement Send Feedback

文件列表(Dspace7)

Publication

Cloning and manipulation of the *Corynebacterium pseudotuberculosis* recA gene for live vaccine vector development

(1996-09-01) Simmons, Cameron

Corynebacterium pseudotuberculosis is an intracellular bacterial pathogen causing a chronic abscessing disease in sheep and goats called caseous lymphadenitis. We are developing this bacterial species as a live vector system to deliver vaccine antigens to the animal immune system. Foreign genes expressed in bacterial hosts can be unstable so we undertook to

[▼ Show more](#)

Publication

Attenuation and vaccine potential of aroQ mutants of *Corynebacterium pseudotuberculosis*

(1997-08-01) Simmons, Cameron

Corynebacterium pseudotuberculosis, a gram-positive intracellular bacterial pathogen, is the etiological agent of the disease caseous lymphadenitis (CLA) in both sheep and goats. Attenuated mutants of *C. pseudotuberculosis* have the potential to act as novel live veterinary vaccine vectors. We have cloned and sequenced the aroB and aroQ genes from *C. pseudotuberculosis*.

[▼ Show more](#)

Publication

DNA vaccines for bacterial infections

(1997-08-01) Simmons, Cameron

DNA vaccines are an exciting development in vaccine technology which may have a special role in preventing viral infections and as 'theracines' for cancer. Their use in preventing bacterial infections has, by comparison, been less well documented. While it is unlikely that traditional, highly successful and cheap vaccines for diseases such as diphtheria will be replaced

[▼ Show more](#)



文件列表(CRIS7)

Browse

Publication

Analysis-Ready Data from Hyperspectral Sensors—The Design of the EnMAP CARD4L-SR Data Product

(2021) Martin Bachmann; Kevin Alonso; Emiliano Carmona; Birgit Gerasch;

Today, the ground segments of the Landsat and Sentinel missions provide a wealth of well-calibrated, characterized datasets which are already orthorectified and corrected for atmospheric effects. Initiatives such as the CEOS Anal

📄 1 👁 128



This report is about our participation in the Answer Validation Exercise (AVE2008). Our system casts the AVE task into a Recognizing Textual Entailment (RTE) problem and uses an existing RTE system to validate answers. Additional information from named-entity (NE) recognizer, question analysis

📄 7 👁 79

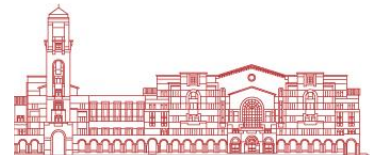
Publication

Analysis-Ready Data from Hyperspectral Sensors—The Design of the EnMAP CARD4L-SR Data Product

(2021) Martin Bachmann; Kevin Alonso; Emiliano Carmona; Birgit Gerasch;

Today, the ground segments of the Landsat and Sentinel missions provide a wealth of well-calibrated, characterized datasets which are already orthorectified and corrected for atmospheric effects. Initiatives such as the CEOS Anal

📄 1 👁 128



人員呈現頁面(DSpace7)



Communities & Collections Statistics All of DSpace



Reset filters

Home • Objetos relacionados • People • Simmons, Cameron

Person: Simmons, Cameron



Job Title
Director of the Institute of Vector-Borne Disease

Last Name
Simmons

First Name
Cameron

Email Address

Cameron.Simmons@monash.edu

Birth Date

1994-10-22

Full item page



All of DSpace...

Search the repository ...

Search

Filters

Author +

Date +

Has files +

Search Results



Now showing 1 - 10 of 188

Publication

[Into the Eye of the Cytokine Storm](#)

(2012-03-01) Simmons, Cameron

The cytokine storm has captured the attention of the public and the scientific

Settings

Sort By

Most Relevant

Results per page

10

Publication

[Timing of CD8\(+\) T Cell Responses in Relation to Commencement of Capillary Leakage in Children with Dengue](#)
(2010-06-15) Simmons, Cameron

Immune activation is a feature of dengue hemorrhagic fever (DHF) and CD8+ T cell responses in particular have been suggested as having a role in the vasculopathy that characterizes this disease. By phenotyping CD8+ T ce
[Show more](#)

Publication

[AEDES AEGYPTI \(L.\) SURVIVAL AFTER EXPOSURE TO IVERMECTIN](#)

(2013-03-01) Simmons, Cameron

Ivermectin has been shown in in vitro studies to have insecticidal properties against Aedes aegypti adults. This study aimed to assess these properties in vivo. Aedes aegypti survival was not affected by acquiring a blood meal
[Show more](#)

Publication

[Studies of the pathogenesis and immunology of attenuated mutants of Salmonella enterica var. Typhimurium: Lessons for human typhoid fever?](#)

(1998-01-01) Simmons, Cameron

Publication

[Skin dendritic cell and T cell activation associated with dengue shock syndrome](#)

(2017-10-27) Simmons, Cameron

Publication

[Short Report: Investigation of Dengue and Japanese Encephalitis Virus Transmission in Hanam, Viet Nam](#)

人員呈現頁面(CRIS7)

Communities & Collections | Research Outputs | Projects | People | Statistics | Log In

Home • CRIS • Person • Bollini, Andrea

Export | Statistics | ...

Bollini, Andrea



Preferred name Bollini, Andrea
Main Affiliation 4Science
Web Site <https://www.linkedin.com/in/andreabollini/>
<https://github.com/abollini>
Email andrea.bollini@4science.it
ORCID 0000-0003-0864-8867

Research outputs | Projects | Metrics | Other

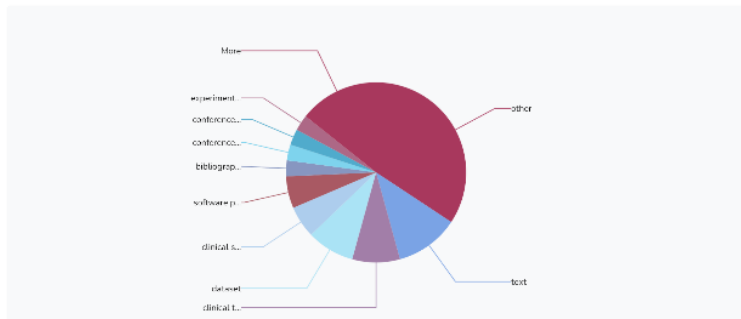
Research Output

Visualization by Type

Visualization by Date

Visualization Demo LTR

Visualization Demo RTL



Now showing 1 - 10 of 35

Filters

Reset filters

Settings

Sort By

Owner Relev

Results per page

10

Publication

Coronavirus vaccine development: from SARS and MERS to COVID-19 (2020-12-10) Lombardi, Corrado

Scopus Citations 19 | 5



Publication

Hemophilia and daltonism (1965-12-01) Cortese, Claudio; Bollini, Andrea

2

Publication

Non-viral COVID-19 vaccine delivery systems (2020-12-10) Cortese, Claudio

Scopus Citations 2 | 16



Publication

Extending the Digital Archives of Italian Psychology With Semantic Data (2018) Cortese, Claudio; Bollini, Andrea

3

Publication

Building a Semantic Web Digital Library for the Municipality of Milan (2018) Cortese, Claudio; Bollini, Andrea

14

Publication

DSpace Hibernate-Prototype (2008-04-01) Bollini, Andrea; Ninfo, Daniele

This article shows the reengineering of the persistence tier of the open source software DSpace, to introduce a lower coupling in its software lay-



人員呈現頁面(CRIS7簡歷)

Research outputs Projects Metrics Other


English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the production and support activities. Among my responsibilities, I define

Affiliation	Role	Organisation	Start	End
	Head of Open Source & Open Standards Strategy	CINECA	2012	2016
	Head of Open Source & Open Standards Strategy	CINECA	2012	2016
	CTO	4Science	2016	
	Test	Università Cattolica Del Sacro Cuore	2008	

Education	Role	Organisation	Start	End
	Master post experience 2nd level	Università degli Studi di Milano Bicocca	2007	2008
	Graduate Studies - Mathematics, Physics	Sapienza Università di Roma	1998	2003

Country Italy
Knows Language English
French



Director Valenti, Cesare
Parent Itway S.p.A. 
Organisation
Founding Date 2015

Country IT
City Milan

Description

4Science was established in 2015 to support universities, research and cultural institutes all around the world in managing and realizing digital projects. We guarantee full compliance with methodological and scientific international standards and we strongly support open

Research outputs

Researchers outputs

Projects

Researchers projects

People



Filters

 Reset filters

Settings

Sort By

Owner Re 

Now showing 1 - 10 of 56

Publication

Extending the Digital Archives of Italian Psychology
With Semantic Data

(2018) Cortese, Claudio  Bollini, Andrea  

 3

Publication

Building a Semantic Web Digital Library for the
Municipality of Milan

(2018) Cortese, Claudio  Bollini, Andrea  

 14



機構人員列表

- 清單條列呈現

OrgUnit's Researchers

Now showing 1 - 2 of 2

Filters

Reset filters

Person

CHEN, KUANG-HUA

Person

TANG, MUH-CHYUN

- 塊狀列表呈現

OrgUnit's Researchers

Now showing 1 - 2 of 2

Filters

Reset filters

Settings

Sort By

Owner f

Results per page

10

Person

CHEN, KUANG-HUA

View

Person

TANG, MUH-CHYUN

View



研究計畫頁面



Communities & Collections

Research Outputs

Projects People Statistics Log In

Home • CRIS • Project • DSpace-CRIS

Export Statistics



Acronym
Project Title
Consortium
Coordinator
Status

DSC
DSpace-CRIS
[4Science](#)

ongoing
Start Date April 2009
End Date October 2030

- Details
- Principal
- Research outputs
- Fundings

Principal Investigator
Investigators
Keywords
Description

[Bollini, Andrea](#)

[Mornati, Susanna](#)
[Lombardi, Corrado](#)

[datamanagement](#) [opensource](#) [cerif](#)

DSpace-CRIS is the first free open-source extension of DSpace for the Research Data and Information Management ever developed. Differently from oth...



Acronym
Project Title
Consortium
Coordinator
Status

DSC
DSpace-CRIS
[4Science](#)

ongoing
Start Date April 2009
End Date October 2030

Start Date April 2009

End Date October 2030

- Details
- Research outputs
- Fundings



Filters

Reset filters

Now showing 1 - 1 of 1


[Funding](#)
Enrich local data via the OpenAIRE Graph 69



Export

Statistics



Project DSpace-CRIS 
Type Award
Funder OpenAIRE
Funding Program Call for innovation
OA Mandate true



Views
69

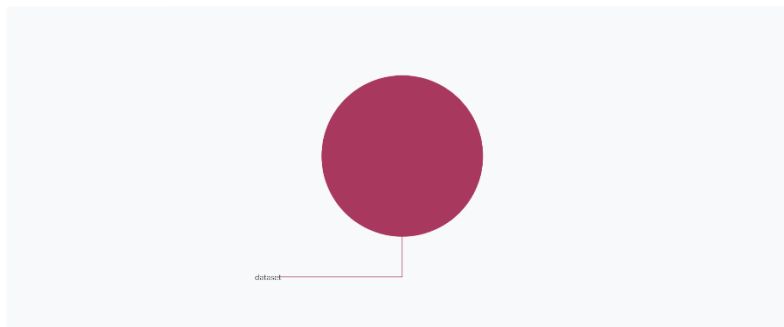
Acquisition Date
Jul 27, 2022

Research outputs

Research Output

Visualization by Type

Visualization by Date



Now showing 1 - 1 of 1

Filters

Type +

Author +

Product

DSpace-CRIS 7.0

(2021-06-02) Bollini, Andrea 

This version fully support the use cases for a modern repository and RIMS / CRIS system. It is target to new users as migration from previous version still require custom data extraction and transformation. With DSpace-CRIS 7, 4Science is delighted to announce

 223

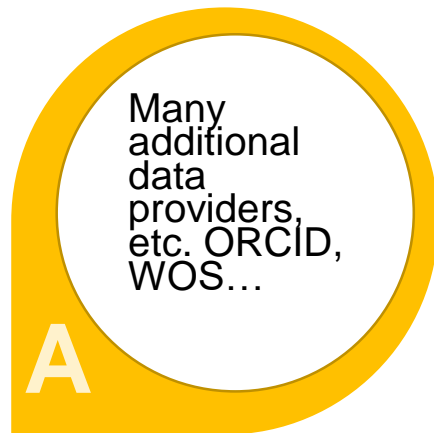
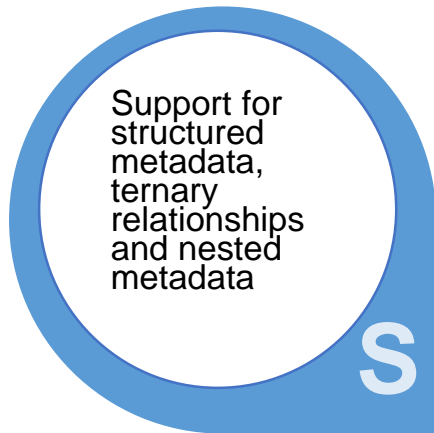


CRIS 7 新功能

前後臺功能

主要特色

Structured metadata
結構化彈性資料架構



Additional data providers
眾多外部資料提供

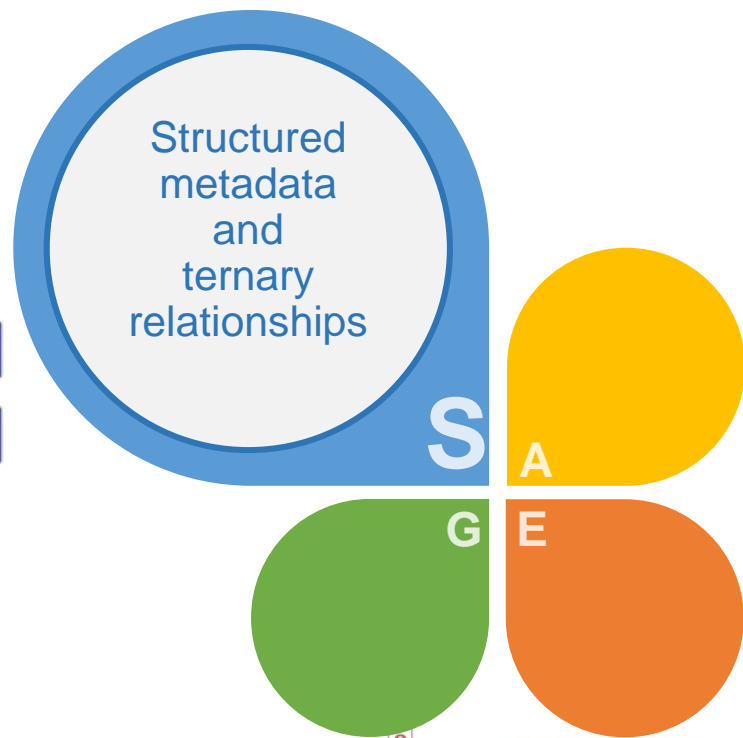
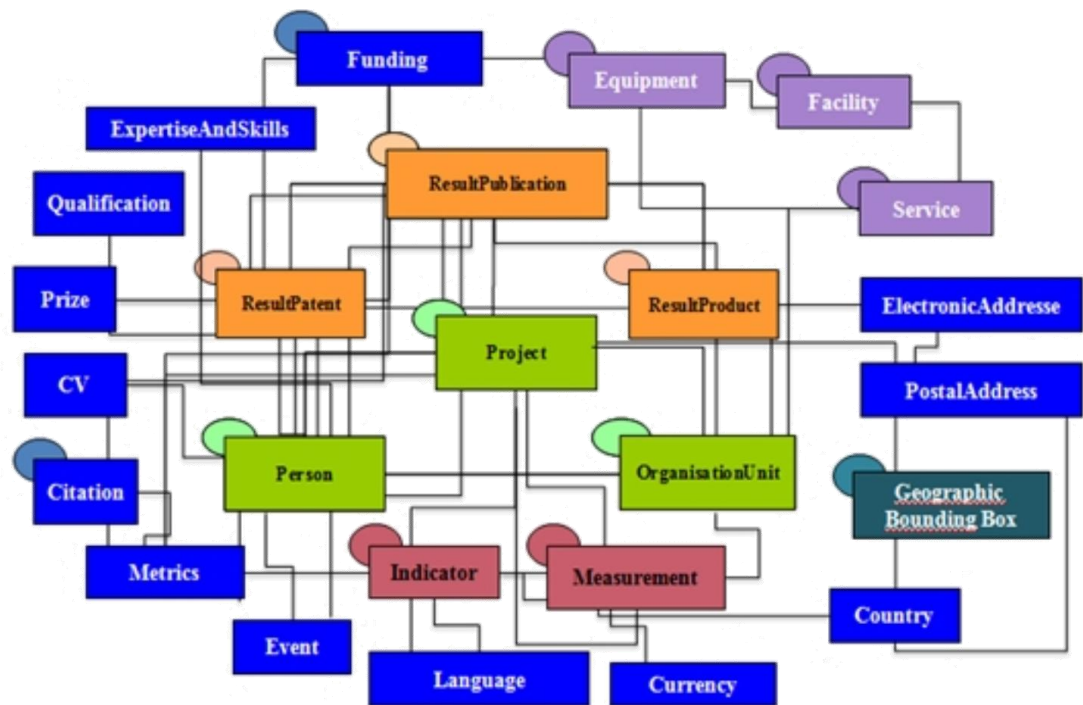
Granular permissions
細化權限管理



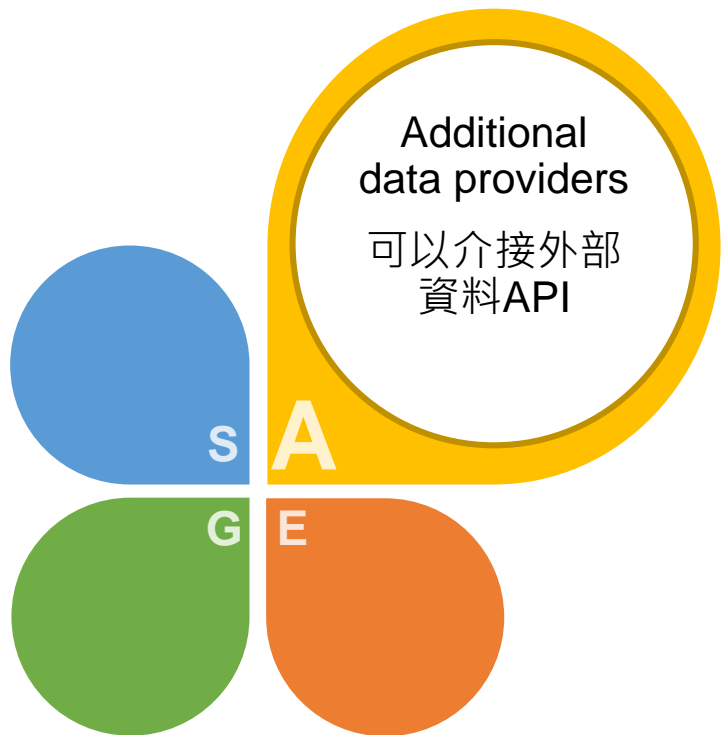
Enhanced statistics visualization
強化統計視覺化



結構化彈性資料架構



外部API



-  Crossref 
 -  ELSEVIER
Scopus
 -  Clarivate
Web of Science™
 -  PubMed
- NATIONAL TAIWAN UNIVERSITY LIBRARY 

各種資料外部API匯入

人員

Import a person from an external source

Search the external source

ORCID ▾

Search

期刊

Import a journal from an external source

Search the external source

SHERPA Journals by ISSN ▾

Search

專利

Import a patent from an external source

Search the external source

European Patent Office (EPO) ▾

Search

贊助

Import a funding from an external source

Search the external source

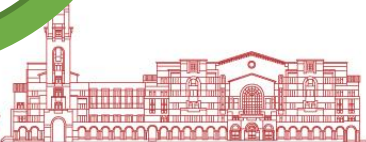
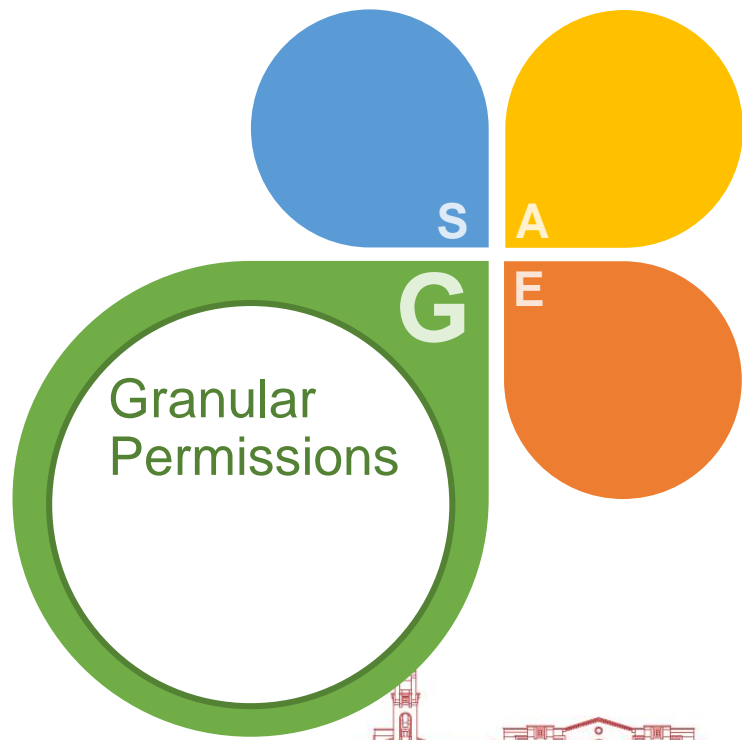
OpenAIRE ▾

Search

細化權限管理

Granular permissions

- Not all entity types have the same security needs!
- 不同的資料類型有不同的資安需求
- Security is based on context (e.g. a PI can see details of their specific project)
- 根據個別資料還可以設定特殊權限
- It is possible to define at different levels (general, entity, metadata) if a metadata value, configured to be displayed in layout configuration, is accessible by all users, including anonymous, or should be visible to only users of given groups or only to administrators and DSpace-CRIS 7 Item's owner.



權限管理頁面

- 研究物件權限管理

Eperson Policy

Eperson Policy



Group Policy

Group Policy



- 檔案權限管理

Access condition type

openaccess



Select an access condition to apply on the bitstream once the item is deposited

Grant access from *

From



Grant access until *

Until



Select the date from which the related access condition is applied

Select the date until which the related access condition is applied

Access condition type

embargo



Select an access condition to apply on the bitstream once the item is deposited

Grant access from *

From



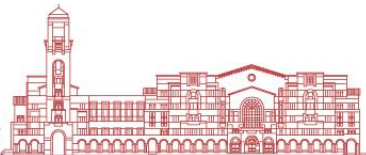
Grant access until *

Until

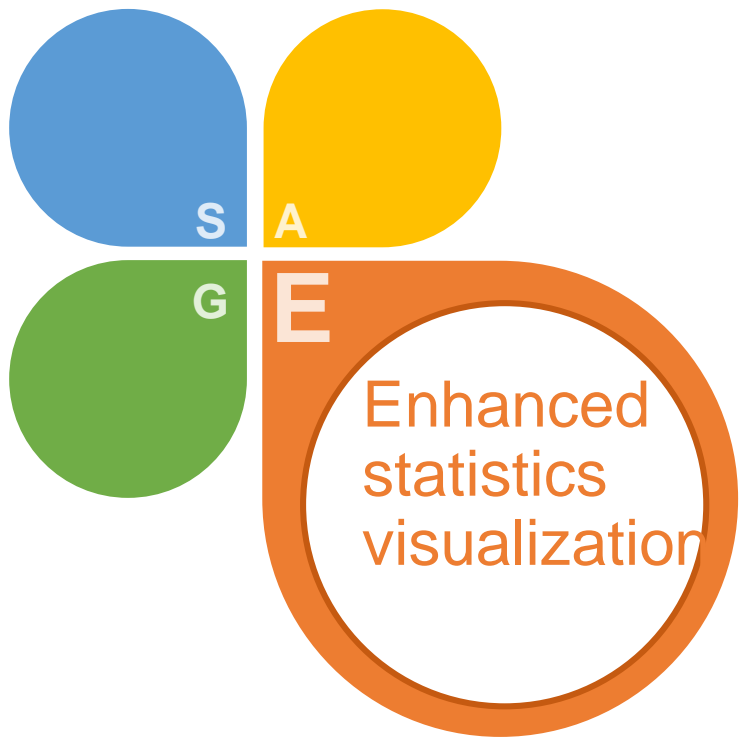


Select the date from which the related access condition is applied

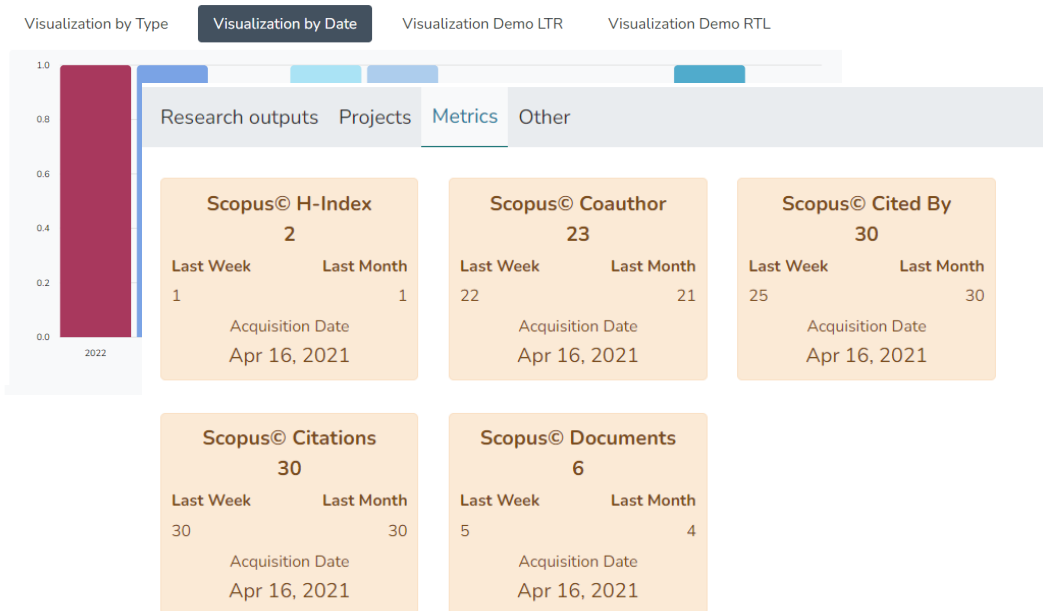
Select the date until which the related access condition is applied



強化統計視覺化功能

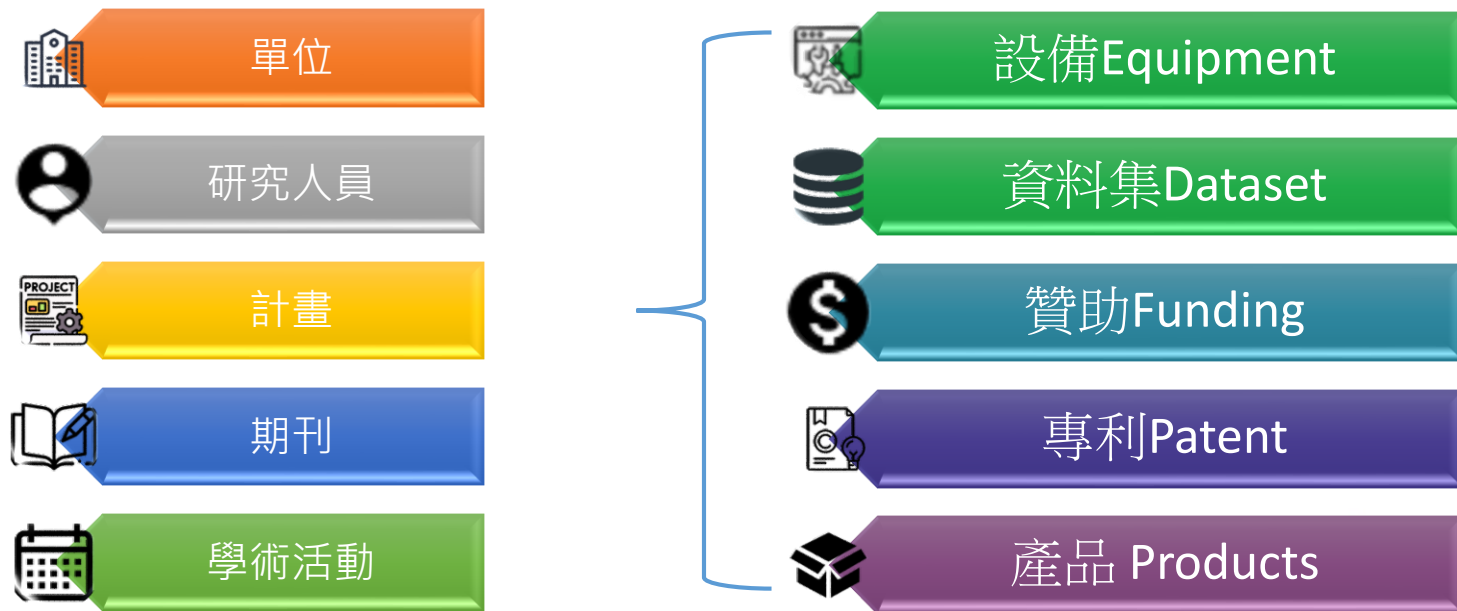


Research Output



CRIS模組

- 增加更多研究機構的各種面向



研究計畫vs贊助Funding

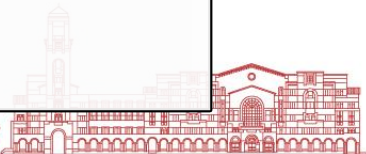
根據
Open
AIRE
規範

研究計畫

- 有關科學層面，包括調查、或是研究發展

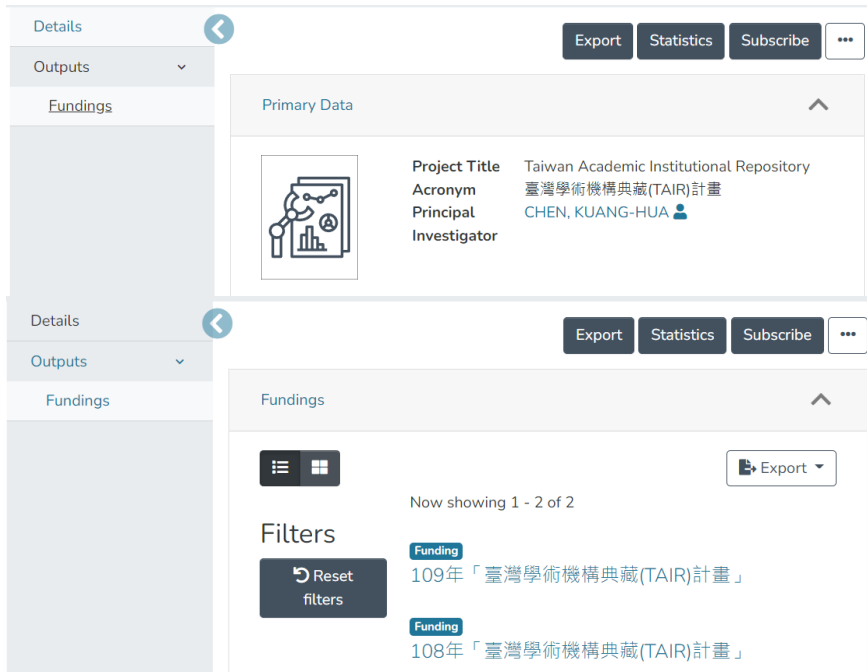
贊助

- 研究計畫的財務或是合約的層面
- 在CRIS系統中可單獨建立
 - 獎勵
 - 獎學金
 - 產學合作案



CRIS計畫與贊助頁面

• 研究計畫



Details

Outputs

Fundings

Primary Data

Project Title Taiwan Academic Institutional Repository
Acronym 臺灣學術機構典藏(TAIR)計畫
Principal Investigator CHEN, KUANG-HUA

Export Statistics Subscribe

Details

Outputs

Fundings

Filters

Reset filters

Now showing 1 - 2 of 2

Funding 109年「臺灣學術機構典藏(TAIR)計畫」

Funding 108年「臺灣學術機構典藏(TAIR)計畫」

• 贊助



Home • CRIS • Funding • 109年「臺灣學術機...

Export Statistics Subscribe

109年「臺灣學術機構典藏(TAIR)計畫」

Primary Data

Project	Taiwan Academic Institutional Repository
Type	Grant
Funder	Ministry of Education

其他功能-永續使用系統

- 網站統計資料匯入
 - 既有網站的瀏覽統計資訊可以匯入新系統
- 可自訂人員或是物件網址ID
 - 沿用既有系統ID產生新系統網址
 - 若有介接單位其他系統，修改前置網址即可使用
- 自動產生Sitemaps提供Google等搜尋引擎查找
 - 大幅提升研究成果的曝光率



自訂網址

Custom url

Define here a custom URL which will be used to reach the item instead of using an internal random

<https://dspacecris7.4science.cloud/entities/person/>

custom-updated

Previous Urls

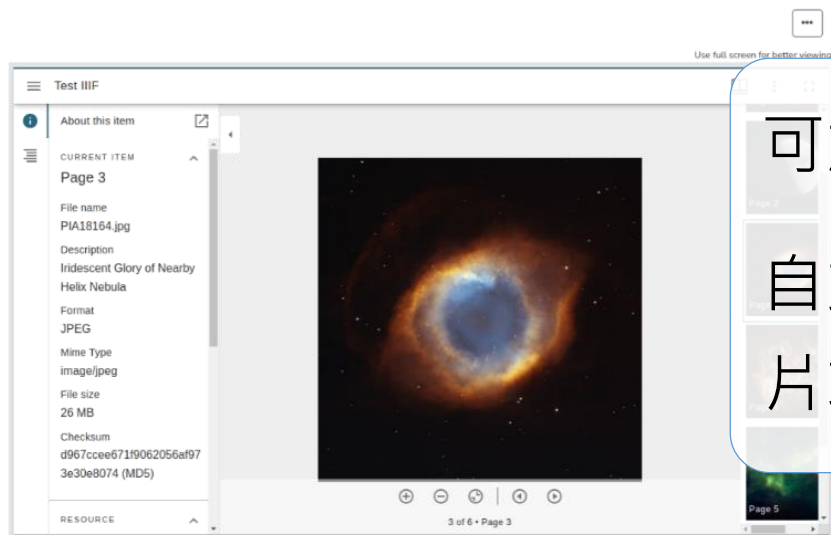
<https://dspacecris7.4science.cloud/entities/person/custom-url>



其他功能-預覽工具

IIIFViewer

Home • CRIS • Publication • Test IIIF



Test IIIF

Date Issued

2022

NATIONAL TAIWAN UNIVERSITY LIBRARY



資料審核-去除重複

Potential duplicates ! ^

The system has identified some potential duplicates. Please carefully review the list and flag each occurrence with the appropriate choice or discard this submission.

Now showing 1 - 1 of 1

Publication

Regional Portal FVG: effective interoperability through DSpace-CRIS and open standards
(2017) Piščanc, Jordan Trampus, Romano Balbi, Luisa Mennielli, Michele Mornati, Susanna Pascarelli, Luigi Bollini, Andrea Friuli-VeneziaGiulia (FVG) "Regional Scientific System" includes three Public Research Institutions, three Universities, four International Institutions

« 1 »



CRIS 7客製化設定

前台彈性介面設定

多元化系統設定-頁面

翻譯標題簡化自訂方式

- 可以透過簡單設定(EXCEL)調整中文標題

頁面彈性調整

- 透過簡單設定(EXCEL)可以調整頁面排版的方式
 - 主機登入執行指令
 - REST API修改
 - 排版的方式改採陣列式



頁面設定

- 資料架構
 - 頁籤TAB
 - 區塊BOX
 - 資料欄位Field
- 陣列顯示架構
 - 列Row
 - 單格Cell

Bollini, Andrea



Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

<https://github.com/abollini>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs	Projects	Metrics	Other
English Biography	I'm responsible for all the technological aspects of the computational solutions to tools, methodologies and technologies adopted for the support activities. Among my responsibilities, I define the infrastructure that b		
Affiliation	Role	Organisation	Start End
	Head of Open Source & Open Standards Strategy	CINECA	2012 2016
	Head of Open Source & Open Standards Strategy	CINECA	2012 2016
	CTO	4Science	2016
	Test	Università Cattolica Del Sacro Cuore	2008

頁籤TAB

資料欄位
Field

區塊BOX



彈性的排版方式-頁籤

- 水平顯示

CRIS Communities & Collections Research Outputs Projects People

Home • CRIS • Person • Bollini, Andrea

Bollini, Andrea LEADING TAB

Preferred name Bollini, Andrea
Main Affiliation 4Science
Web Site <https://www.linkedin.com/in/andreabollini/>
<https://github.com/bollini>
andrea.bollini@4science.it

Email andrea.bollini@4science.it
ORCID 0000-0003-0864-8867
Scopus Author ID 5548480800

Publications Projects Secured Tab Metrics ORCID Other **HORIZONTAL LAYOUT**

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the production and support activities. Among my responsibilities, I define the infrastructure that best fits the project requirements. We provide support on premises on the customer's site.

Affiliation

Role	Organisation	Start	End
Head of Open Source & Open Standards Strategy	CINECA	2012	2016
Head of Open Source & Open Standards Strategy	CINECA	2012	2016
CTO	4Science		2016
Test	Università Cattolica Del Sacro Cuore		2008

Education

Role	Organisation	Start	End
Master post experience 2nd level	Università degli Studi di Milano Bicocca	2007	2008
Graduate Studies - Mathematics, Physics	Sapienza Università di Roma	1998	2003

Country IT

Knows Language en

- 垂直顯示

CRIS Communities & Collections Research Outputs Projects People

Home • CRIS • OrgUnit • 4Science

4SCIENCE LEADING TAB

Organisation Name 4Science
Director Valenti, Cesare
Parent Organisation ITWay
Founding Date 2015

Details Publications Researchers publications Projects Researchers projects People

Description

Country IT
City Milan
Description 4Science was established in 2015 to support universities, research and cultural institutes all around the world in managing and realizing digital projects. We guarantee full compliance with methodological and scientific standards.

VERTICAL LAYOUT



頁籤排版之EXCEL設定

頁籤
排版

ENTITY	SHORTNAME	LABEL	PRIORITY	LEADING	SECURITY
Person	details	Profile	0	y	PUBLIC
Person	publications	Publications	2	n	PUBLIC
Project	details	Details	0	n	PUBLIC
Project	outputs::projectoutputs	Outputs::Publications	2	n	PUBLIC
Project	outputs::fundings	Outputs::Fundings	4	n	PUBLIC

固定顯示頁籤 Leading

Bollini, Andrea



Preferred name
Main Affiliation
Web Site
Email
ORCID

Bollini, Andrea
4Science
<https://www.linkedin.com/in/andreabollini/>
<https://github.com/bollini>
andrea.bollini@4science.it
0000-0003-0864-8867

Research outputs Projects Metrics Other

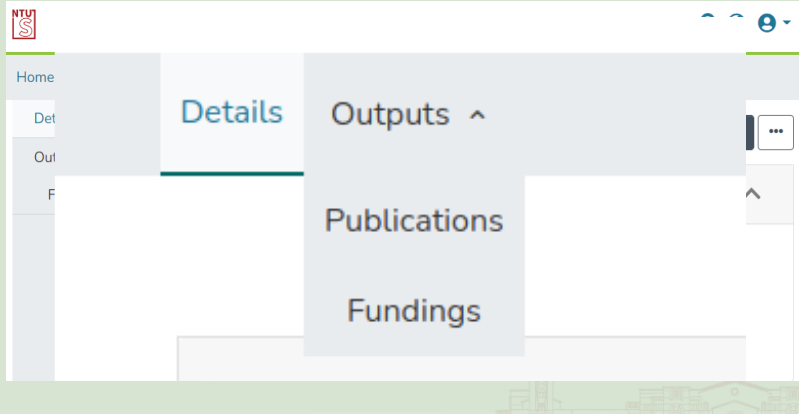
English Biography

I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the production and support activities. Among my responsibilities, I define the infrastructure that best fits the project.

Affiliation

Role	Organisation	Start	End
Head of Open Source & Open Standards Strategy	CINECA	2012	2016
Head of Open Source & Open Standards	CINECA	2012	2016

子頁籤 __::__



陣列式排版

The screenshot shows a DSpace digital repository page for the document "DSpace administration issues: the community admin patch". The page is annotated with a grid layout:

- tab row 1:** A horizontal bar containing the document title "DSpace administration issues: the community admin patch".
- tab row 2:** A main content area divided into two columns:
 - cell 1:** The left column containing metadata such as "Date Issued", "Author(s)", "Abstract", "Subjects", and "File(s)".
 - cell 2:** The right column containing statistics and actions like "Views", "Acquisition Date", "google-scholar Check", and "Downloads".

每一列Row有多個單格Cell

同一列從左往右排列

同一個單格由上向下排列

因應各種瀏覽器彈性設定



區塊排版之EXCEL設定

區塊 排版

ENTITY	TAB	ROW	ROW_STYLE	CELL_STYLE	BOXES
OrgUnit	maininformation	1			heading
OrgUnit	maininformation	2			details
OrgUnit	maininformation	3			description
OrgUnit	details	1			organizations

欄位 排版

ENTITY	BOX	ROW	CELL	FIELDTYPE	METADATA	RENDERING
OrgUnit	description	1	1	METADATA	organization.address.addressCountry	
OrgUnit	description	2	1	METADATA	organization.address.addressLocality	
OrgUnit	description	3	1	METADATA	dc.description.abstract	longtext
OrgUnit	heading	1	1	METADATA	dc.title	heading

標題 設定

PREFIX	AUTOGENERATED I18N keys
layout.tab.header.	"layout.box.header.Person.projects": "Projects",
"layout.t	"layout.box.header.Person.researchoutputs": "Publications",
"layout.t	"layout.box.header.Person.qualifications": "Professional Qualifications",
"layout.t	"layout.box.header.Person.media": "Media Contact Directory",

資料欄位顯示樣式RENDERING

Bollini, Andrea

Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs Projects Metrics Other

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the project.

Affiliation Role Organisation Start End

heading

Bollini, Andrea

Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs Projects Metrics Other

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the project.

Affiliation Role Organisation Start End

longtext

Bollini, Andrea

Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs Projects Metrics Other

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the project.

Affiliation Role Organisation Start End

link

Preferred name CHEN, KUANG-HUA

Related 陳, 光華

Affiliation Library

Email kuanghua.chen@ntu.edu.tw

Date 01 August 2016

link.label

Preferred name CHEN, KUANG-HUA

Related 陳, 光華

Affiliation Library

Email kuanghua.chen@ntu.edu.tw

Date 01 August 2016

date

Bollini, Andrea

Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs Projects Metrics Other

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the project.

Affiliation Role Organisation Start End

identifier

Preferred name CHEN, KUANG-HUA

Related 陳, 光華

Affiliation Library

Email kuanghua.chen@ntu.edu.tw

Date 01 August 2016

crisref

Bollini, Andrea

Preferred name Bollini, Andrea

Main Affiliation 4Science

Web Site <https://www.linkedin.com/in/andreabollini/>

Email andrea.bollini@4science.it

ORCID 0000-0003-0864-8867

Research outputs Projects Metrics Other

English Biography I'm responsible for all the technological aspects of the company proposal, from the final solutions to tools, methodologies and technologies adopted for the project.

Affiliation Role Organisation Start End

thumbnail

多元化系統設定-功能

更簡單地自訂研究物件

- 新增不同的研究物件與研究物件的關係

工作流程與上傳內容自行定義

- 即便都是研究成果，也可以根據細部類型，自訂上傳流程
- 上傳內容可以新增不同格式，用collection綁訂



進階的客製化

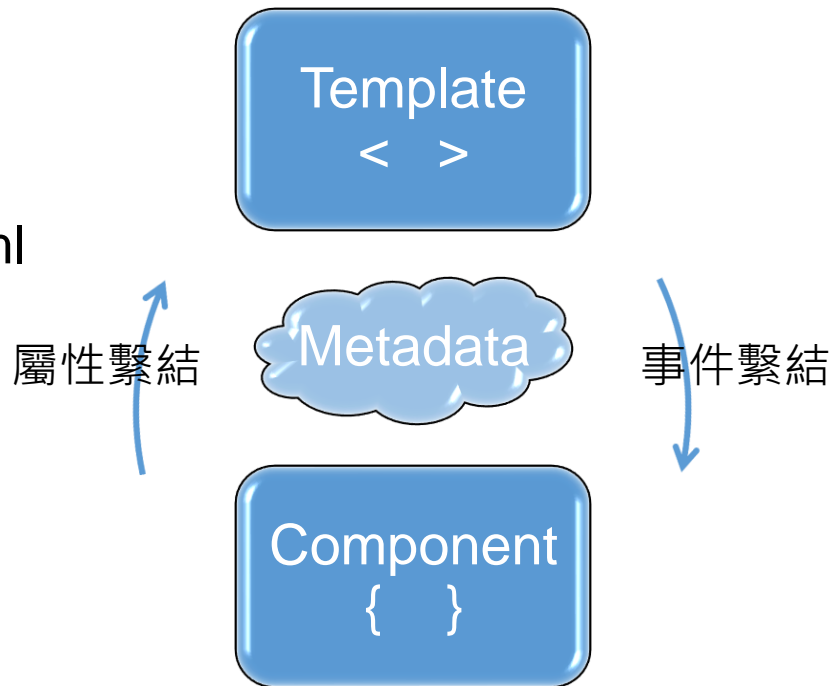
- 後端全部資料有API可以讀取
- 使用JSON格式可以讀取系統建置的資料
- 採用Angular 平台，與後端資料切割
- 資訊人員可以開發客製化的佈景主題

{JSON}



版面的進階客製化步驟

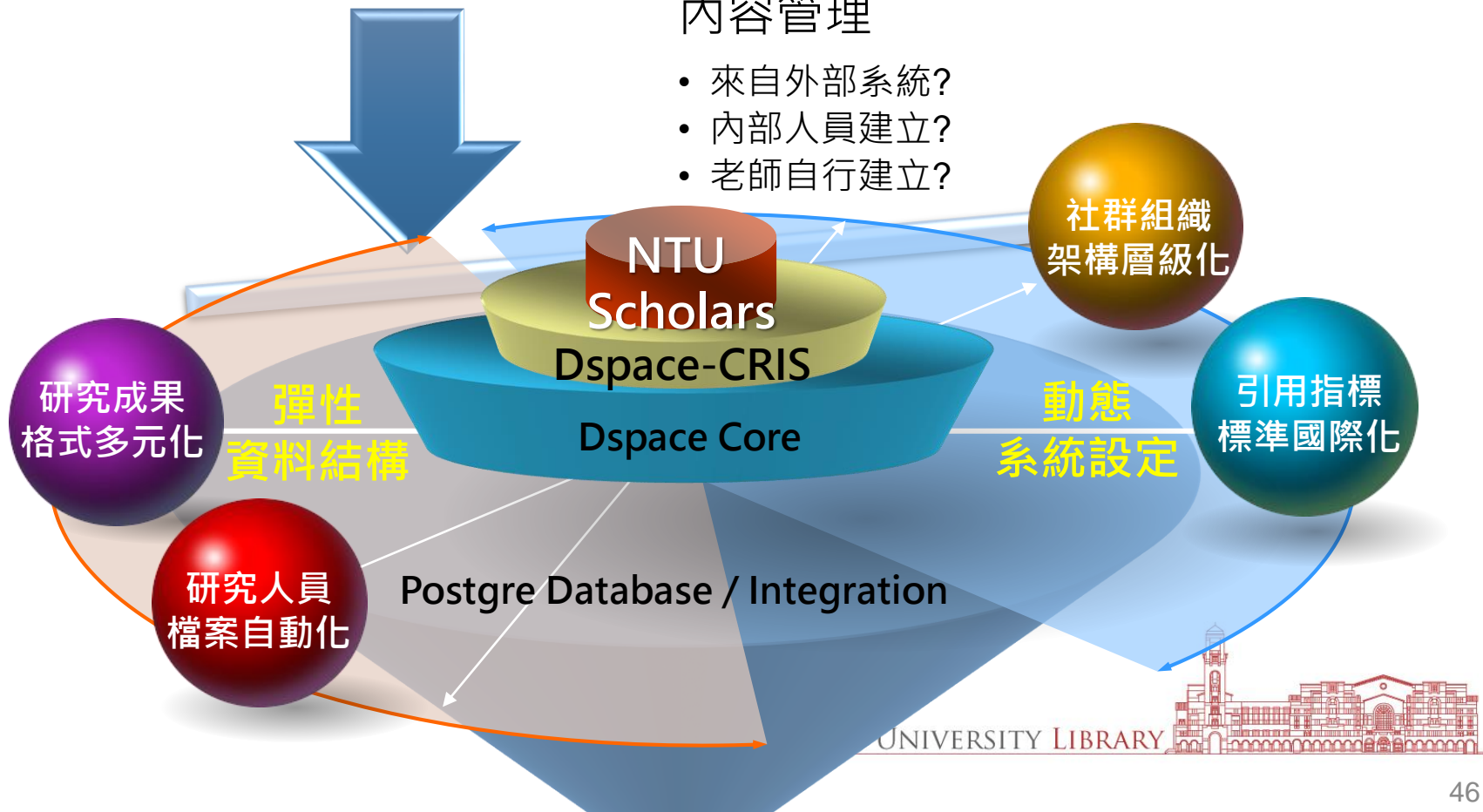
- 預設的元件會建立以下內容：
 - 以該元件命名的資料夾
 - 元件檔案 `<c-name>.component.ts`
 - 範本檔案 `<c-name>.component.html`
 - CSS 檔案
`<c-name>.component.scss`
 - 測試檔案
`<c-name>.component.spec.ts`
 - 其中 `<c-name>` 是元件的名稱
- 修改後要執行 `yarn run build:prod`



小結

內容管理

- 來自外部系統?
- 內部人員建立?
- 老師自行建立?





感謝聆聽 敬請指教

