DSpace-CRIS

anticipating innovation

4SCIENCE
Share your knowledge



ANDREA BOLLINI; EMANUELE BALLARINI; IRENE BUSO; MYKHAYLO BOYCHUCK; CLAUDIO CORTESE; RICCARDO FAZIO; CORRADO LOMBARDI; DAMIANO FIORENZA; STEFANO MAFFEI; DAVIDE NEGRETTI; SARA ORLANDI; LUIGI ANDREA PASCARELLI; MATTEO PERELLI; IMMACOLATA SCANCARELLO; FRANCESCO PIO SCONGNAMIGLIO; GIUSEPPE DIGILIO; LUCA GIAMMINONNI; SUSANNA MORNATI

OPEN REPOSITORIES 2022

17th International Conference on Open Repositories

6th - 9th June 2022, Denver, Colorado, USA



Not "just" a mere extension, but a full support plaform for modern repository use cases and Research Information System.

10 years from the first DSpace-CRIS Open Source release!

Happy to celebrate it with you:)

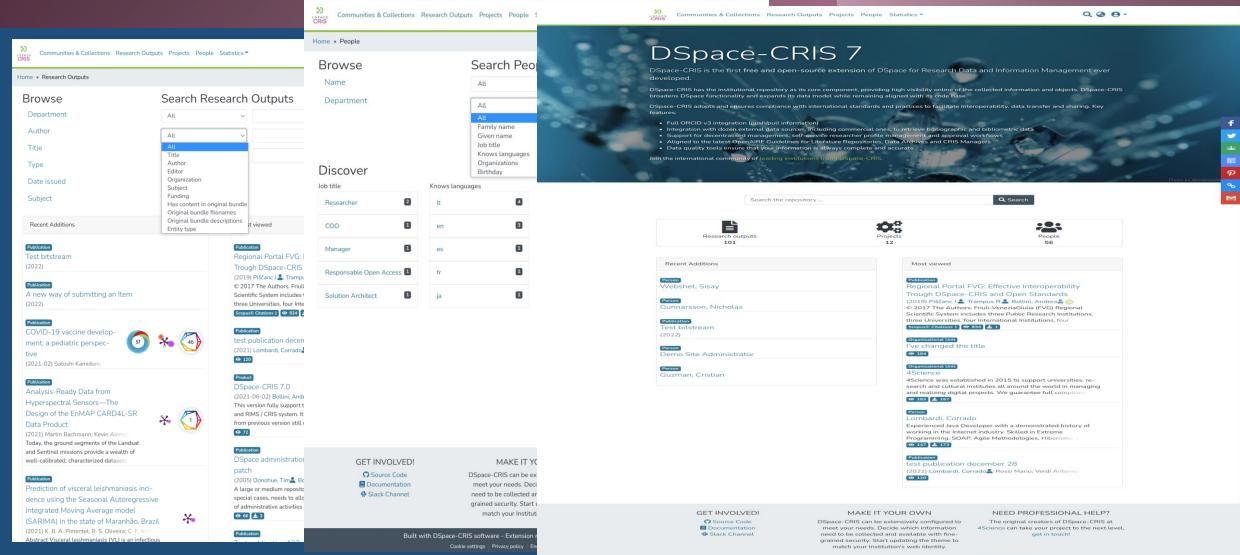
FIE OR2012

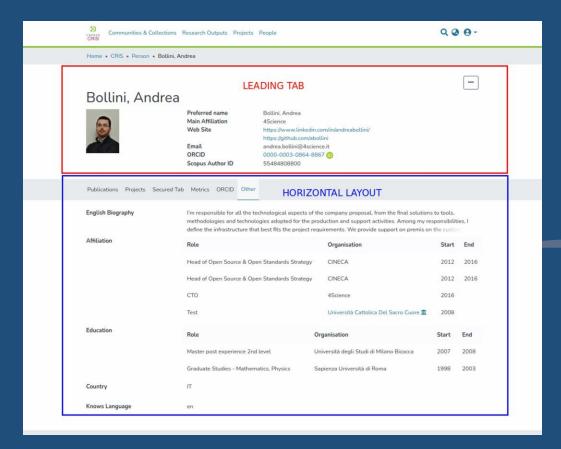
ternational Conference on Open Repositories





Completely custom entry page(s)

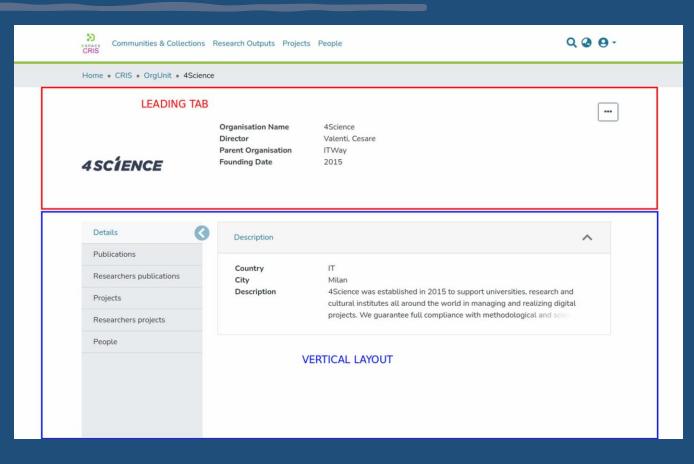




We present a new configurable layout allowing complex and accurate organization of the item detail page without coding (e.g. the order in which they're displayed).



configurable item layout



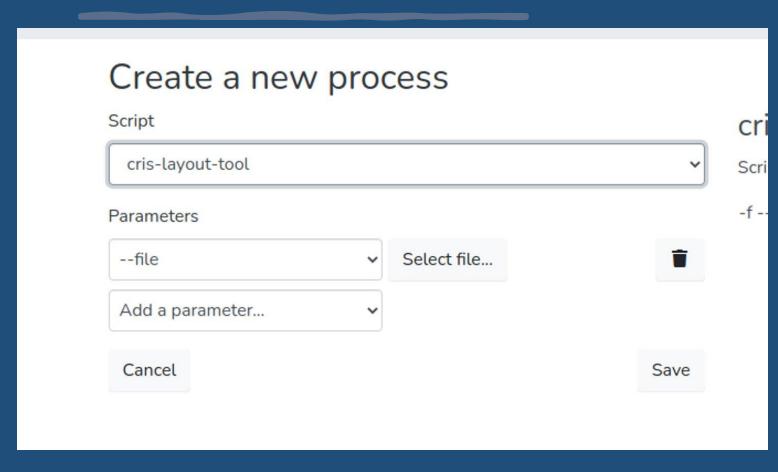


configurable item layout

"Any way you want it. That's the way you need it" (Journey)

Organise/add/order your desired entities, assets...as long as you want

Create a <u>new process</u> through the UI too!





















Cortese, Claudio

Researcher at Universidad de Lima

Birth Date: 1994-10-16

Country: IT

OR CID: 0000-0003-4572-9711

PhD in Archaeology and lecturer in "Computer Applications in Archaeology" at the Catholic University of Milan. His main interest is management and analysis of data in the cultural heritage area through the use of different methods, standards and technologies, from relational databases to GIS, from Digital Libraries to the Semantic Web. In the historical / archaeological field his working activity is mainly oriented towards the design and creation of databases for several research groups. During the PhD has also gained experience in the use of statistical techniques for the analysis of archaeological data, tools used mainly for the reconstruction of the transformation processes that affected the ancient material culture. In the last decade he worked at the Interuniversity Consortia Citea and Cineca. Here his interests expanded to the wider field of digital humanities, and materialized mainly in project management and analysis of data and metadata in the context of Digital Library Management Systems for the curation, preservation, reuse and distribution of cultural digital resources. In relation to all these topics he provided consulting services, lessons and courses in universities and in public and private institutions. He currently holds the position of Project Manager and Analyst in the field of digital humanities at 4Science.

Affiliations

Researcher at Universidad Nacional from 2000 to 2014

Education

Doctor at PhD Archaeology Università Cattolica del Sacro Cuore from 2003 to 2006 Segunda Especialidad at Specialization in Archaology Università Cattolica del Sacro Cuore from 2003 to 2006 Bachiller at Degree in Classics Università Cattolica del Sacro Cuore from 2003 to 2006

Qualifications

Archaeologist from 1999 to 2007 Project Manager and Analyst from 2007

Publications

Corlese, Claudio (2020). Extending DSpace to fulfil the requirements of Digital Libraries for Cultural Heritage Management

Cortese, Claudio (2020). Extending the Digital Archives of Italian Psychology With Semantic Data

Cortese, Claudio (2019). The road (and the roadmap) for building Trusted Digital Repositories within an Interuniversity Consortium

Corlese, Claudio (2019). Extending the Digital Archives of the Italian Psychology with Semantic Data

Cortese, Claudio (2018). Building a Semantic Web Digital Library for the Municipality of Milar

Cortese, Claudio (2017). What can we learn about the archaeological record combining quantitative analysis and ethnoarchaeology: issues

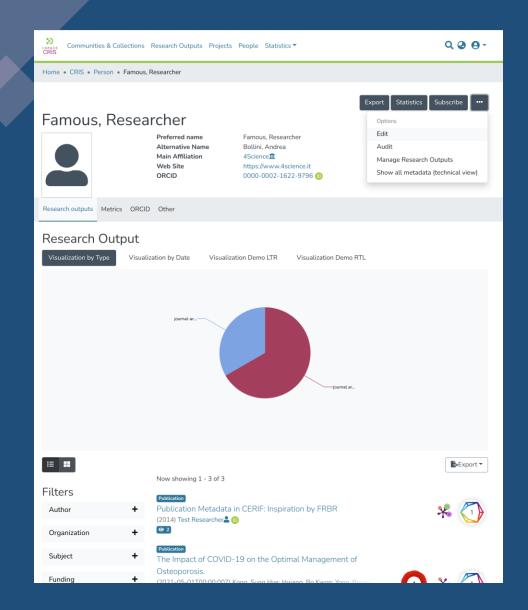
from a work in progress

Cortese, Claudio (2017). What can we learn about the archaeological record combining quantitative analysis and ethnoarchaeology: issues



Export everything in any format!

- CSL integrated engine to export publication records in citation formats: MLA, Chicago, BibText, etc.
- Export any records including related information in XLS, PDF, RTF via Apache **FOS**





Communities & Collections Research Outputs Projects Peo	ole Statistics ▼	Q Ø •
🗘 Drop files to attac	h them to the item, or browse	
ollection Person		Add more 🕇
Person basic information		• ^
Preferred Name *		
Famous	Researcher	
Fullname		
Last name	First name	
Vernacular Name		
Last name	First name	
Variants		
Bollini	Andrea	Ť
+ Add more		
First name	Family name	
First name	Family name	
Birth Date year	Gender	•
Job Title	Main Affiliation	
Data scientist	4Science	
Working group(s)		
Working group(s)		Ť





Any other URL

Allow users or admins to set a custom URL for any record in the system such as

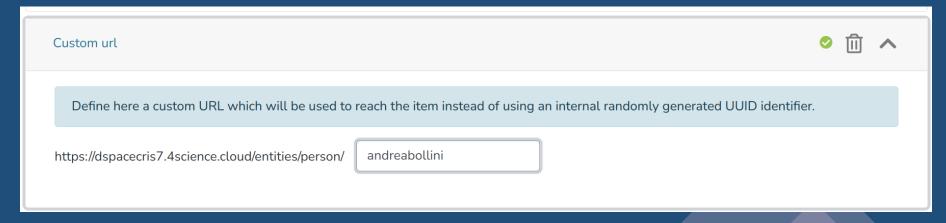
\${dspace.url}/entities/person/andreabollini

\${dspace.url}/entities/product/dspace-cris



Custom Edit URLs and via t

Custom URLs are used in the sitemaps
Alternative URLs are properly managed via redirection
Duplicates are prevented, custom URLs history is retained









Dimensions



Google-Scholar





Downloads

Recent Additions

Support for traditional and alternative metrics

Publication

sostenible.

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





(2021) Martin Bachmann; Kevin Alons Today, the ground segments of the Landsat and Sentinel missions provide a wealth of well-calibrated, characterized datasets

Prediction of visceral leishmaniasis incidence using the Seasonal Autoregressive

(SARIMA) in the state of Maranhão, Brazil

disease predominant in countries located in the tropics. The prediction of occurrence of infectious di

Emergencia por COVID-19 en la Sierra Sur de Oaxaca y la agenda 2030 del desarrollo

(2021-12-31) Aguilar-Aldrete, María E;

(2021) K. B. A. Pimentel; R. S. Oliveira; C. F. A. Abstract Visceral leishmaniasis (VL) is an infectious

Integrated Moving Average model



Scopus© Citations

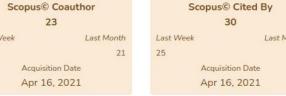
	30	
Last Week		Last Mo
30		
	Acquisition Date	
	Apr 16, 2021	

30	
Last Week	Last Mont
30	3
Acquisition	Date

	Views
•	507
Last Week	Last Month
450	400
	Acquisition Date
	Jan 31, 2022

Traditional (citation, H-index, impact factor) and alternative metrics (Altmetrics, PlumX, Dimensions) are supported outof-box.



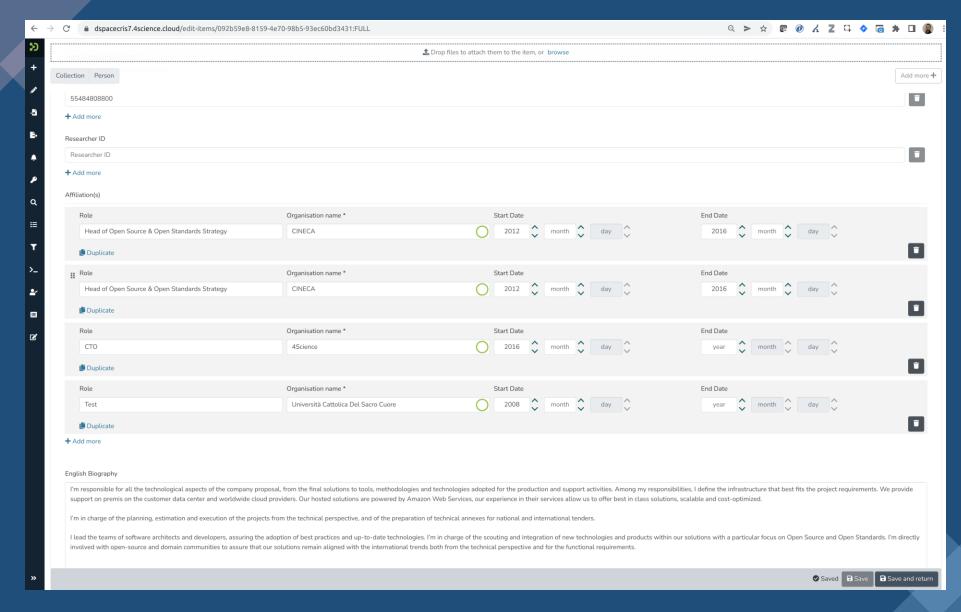








Hierarchical metadata



Affiliation,
 education,
 qualification are
 just few examples
 of metadata
 holding complex
 information

 Authorship information: on behalf of whom/supported by which institution





Granular security up to the single value of a single metadata of an item

- Dealing with records other than publication require a much granular control about "who can see what".
- Often, there is no global answer that can be applied to a piece of information as it could depend on the specific record (the individual should control the visibility of his birthdate, gender, researchers could require to hide details about funders/partnership in specific sector)
- Security is applied at the APIs (REST, OAI) level





Configurable statistics report with charts

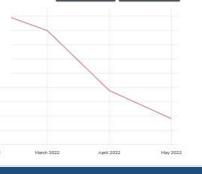
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Details

lop region views	lop city views	Most viewed	Categories	lotal visits per month		
					Export Excel	Export CSV
Item						Views
The economic and s	ocial impact of highe	er education				11105
Curriculum Design i	n Higher Education:	Theory to Practice				10983
Accounting research	: a practical guide					10236
My World Survey : N	National Study of Yo	uth Mental Health i	n Ireland			10183
Elderly care in Irelar	nd - provisions and p	roviders				9925
Corporate governan	ce, accountability an	d mechanisms of a	countability : an	overview		9899
Agent-based coordi	nation for the senso	web				7909
Simple logit and pro	bit marginal effects	in R				7864
Using Twitter to rec	ommend real-time to	opical news				7560
COVID-19: 20 Coun	tries' Higher Educati	on Intra-Period Dig	ital Pedagogy Re	sponses		7087
A bibliometric study	of video retrieval ev	aluation benchmar	king (TRECVid) :	a methodological analysis		6995
Biosystems Enginee	ring Research Revie	w 20				6897
Equality in education	n : an equality of cor	dition perspective				6749
Playing Social Roule	ette: The Impact of G	ambling on Individ	uals and Society i	n Ireland		6692
Finding useful users	on twitter : twittom	ender the followee	recommender			6498
Biosystems Enginee	ring Research Revie	w 19				6380
Automatic Detection	n of Tackles in Elite l	evel Rugby Union				6328
Pervasive computing	g technologies for he	ealthcare				6179
The European Conve	ention on Human Rig	jhts: A Socio-Econo	mic Rights Chart	er?		6128
Sex and Nation Wor	men in Irish Culture a	and Politics				6081







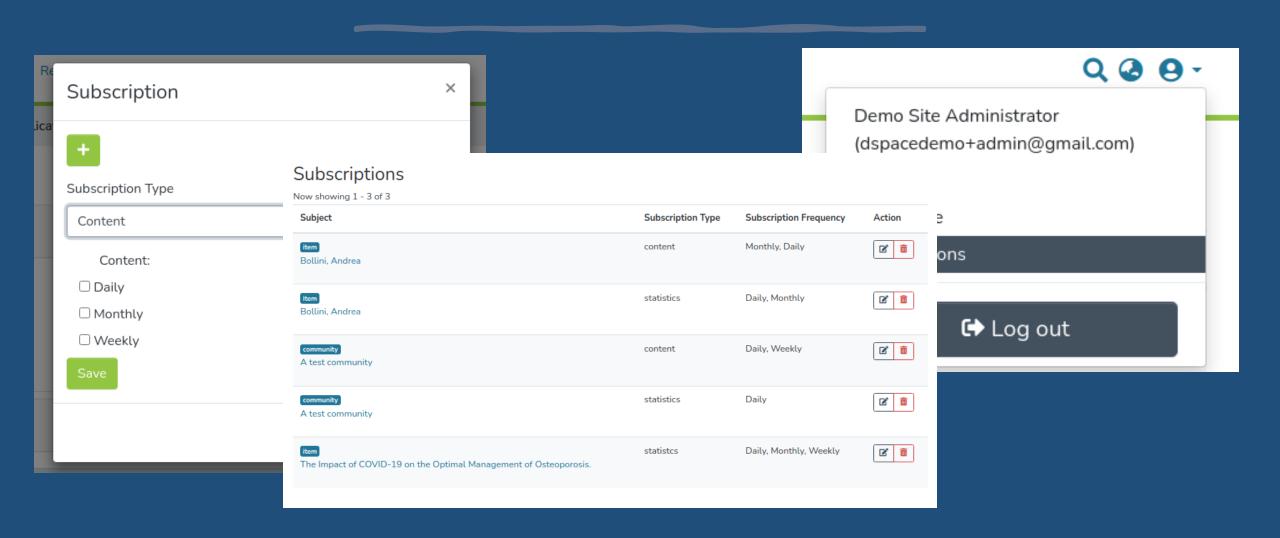
B. Export as PNG B. Export as JPEC

Include aggregated statistics about related records (author's publications, projects, etc)



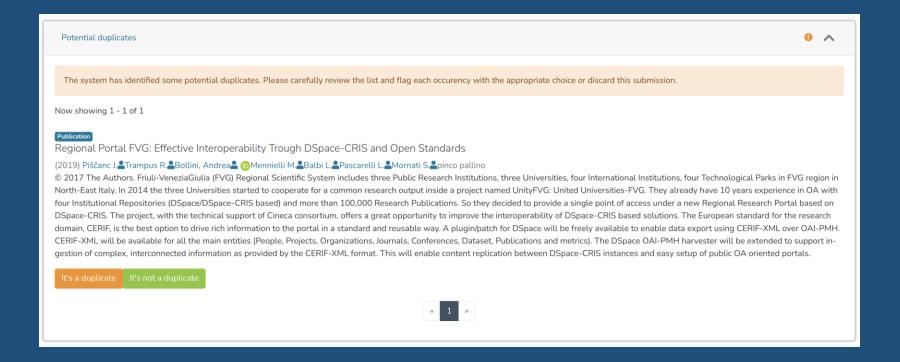
Subscription

Get a periodic email about new content added and statistics report





Duplicate alert!



Automatically alerts the user during the submission if the record is <u>already</u> <u>present</u> in the system



DSpace Item Filtering framework can be used to validate records in submission Examples include

- Check alternative (at the least one identifiers must be provided)
- Subsequent mandatory (grant no. for a funded project)
- Inconsistent values (project end date before first date)







Advanced validation in bulk operation

- Support for excel file
- Collections admin can perform <u>bulk</u> operation via Excel
- Collection Application profile is used to validate the information so that not invalid values or unexpected metadata can be input also in bulk
- Validation rules (mandatory, repeatable, controlled list) <u>are verified before to</u> <u>push the records in the</u> <u>workflow/repository</u> (admins can force)

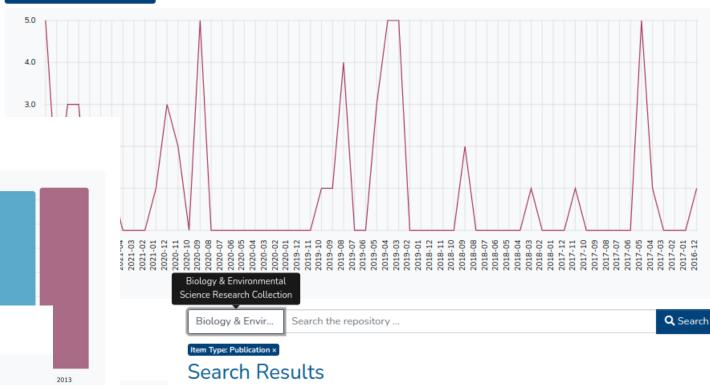


Graphical visualization of search results



Search Output

Visualization by Item upload



Now showing 1 - 10 of 91

A novel method of microsatellite genotyping-by-sequencing using individual combinatorial barcoding

(The Royal Society, 2016-01-20) Vartia, Salla 🚨 ; Villanueva-Cañas, José L. 🍰 ; This study examines the potential of next-generation sequencing based 'genotyping-bysequencing' (GBS) of microsatellite loci for rapid and cost-effective genotyping in large-scale

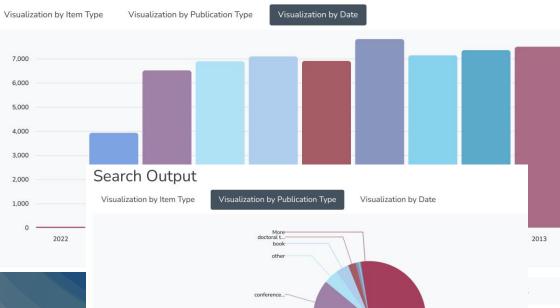






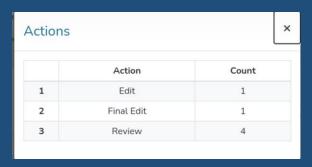








Administrative statistics



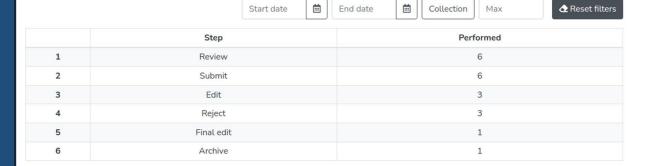


Max

Login Statistics



VVorkflow Statistics



Workflow performed

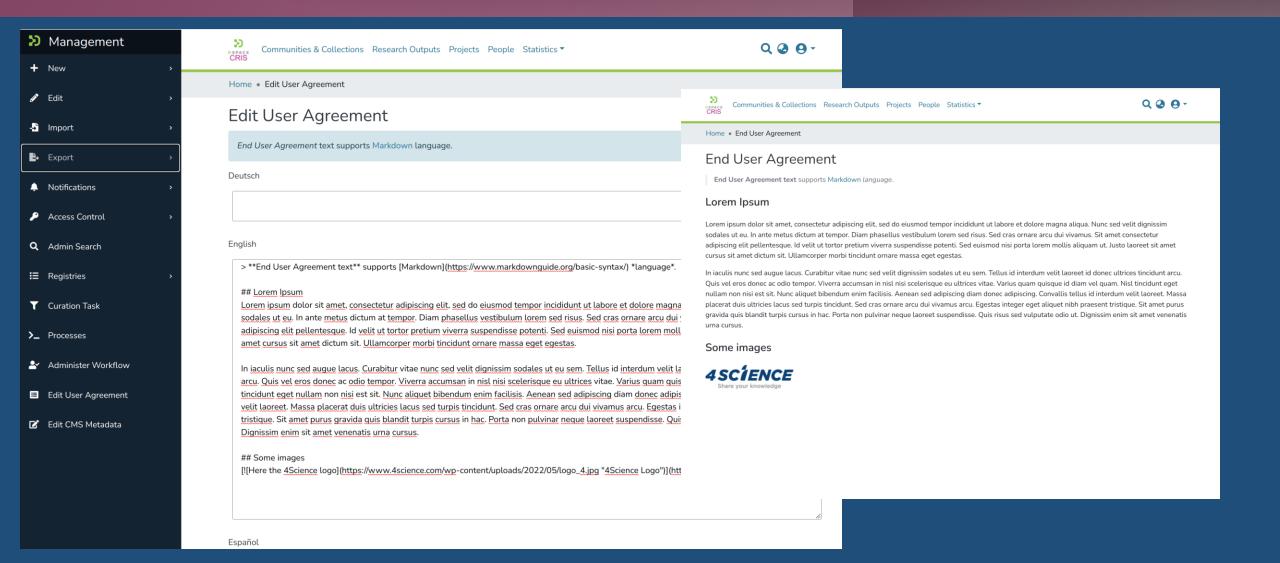
	Email	Performed	
1	luca.giamminonni@4science.com	6	0
2	test2@email.it	2	0
3	test@user.it	2	0

Current workflow

	Step	Performed
1	Edit	1
2	Final edit	1



Edit End User Agreement and static text block (CMS) via UI





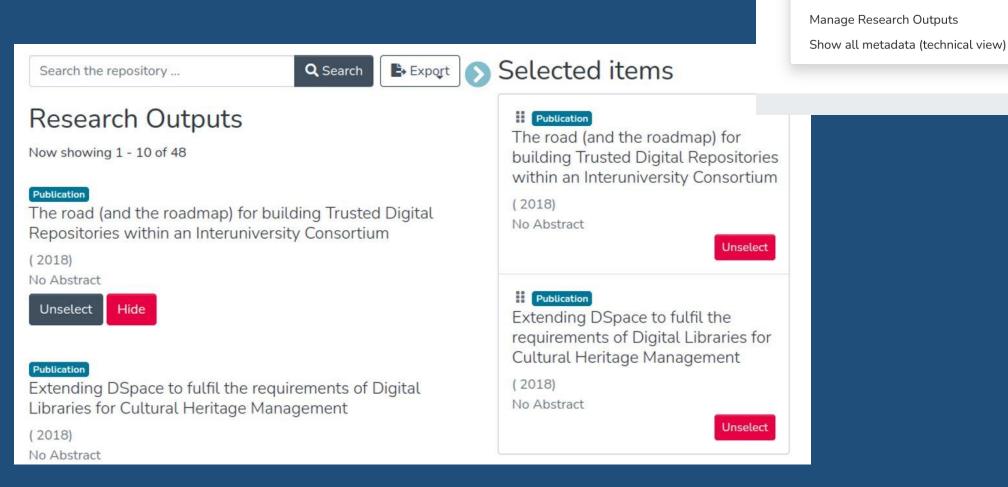
Statistics

Export

Options

Edit Audit Subscribe

Highlight content, selected list...you are in control.





Organization: System

Name

Category

Certified Service Provider

API

Can

Collect
Authenticated \$
IDs

Read from Records

Add Affiliations Add works Add Funding

DSpace CRIS

CRIS















Full ORCID integration

- Some aspects are still too advanced to be managed by basic DSpace: synchronization of employment, education, qualification
- Automatic suggestion of missing publications in the Repository to import from the ORCID profile
- Push selected list of publications and projects
- Include a BibTeX citation in the pushed publications



We. Need. You.

Corrections & suggestions from external providers

- 4Science is working in moving these features to the plain DSpace
- They are tools to keep your repository information complete and accurate

 PRs exist for 7.3: please make it a try and help to move it forward

https://github.com/DSpace/DSpace/pull/8184

https://github.com/DSpace/DSpace/pull/8280



There's too much to say for 24 slides.

- so... see you at OR2023!
- Look around for me! I'd be glad to give you an anticipation

 (P.S. as you can see, I'm not blonde anymore, but it's still me I promise...I'll get an updated pic)



Irene Buso
Business Development Manager
Irene.buso@4science.com

