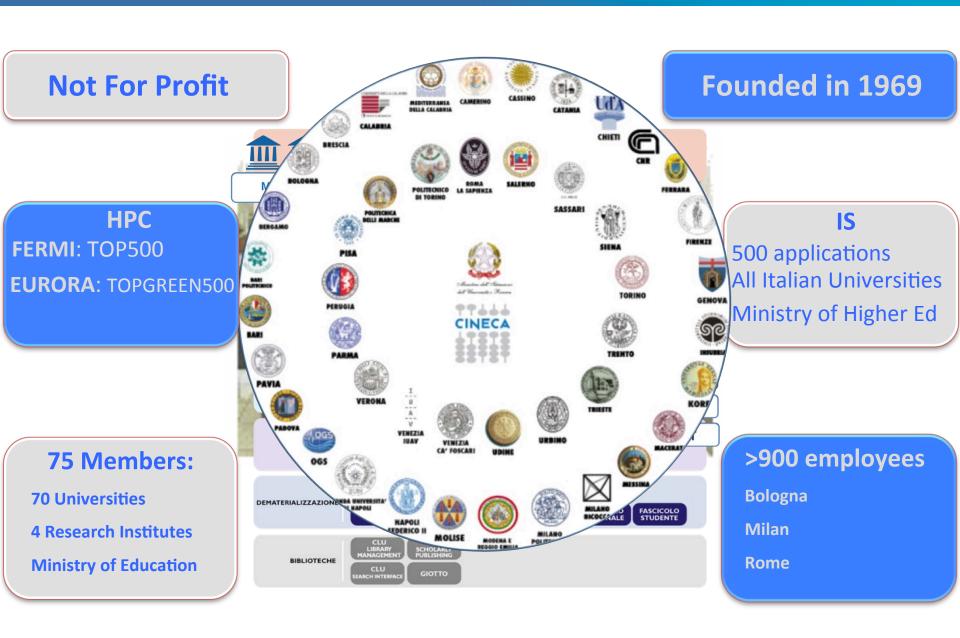# IRIS: Supporting & Managing the Research Life-Cycle
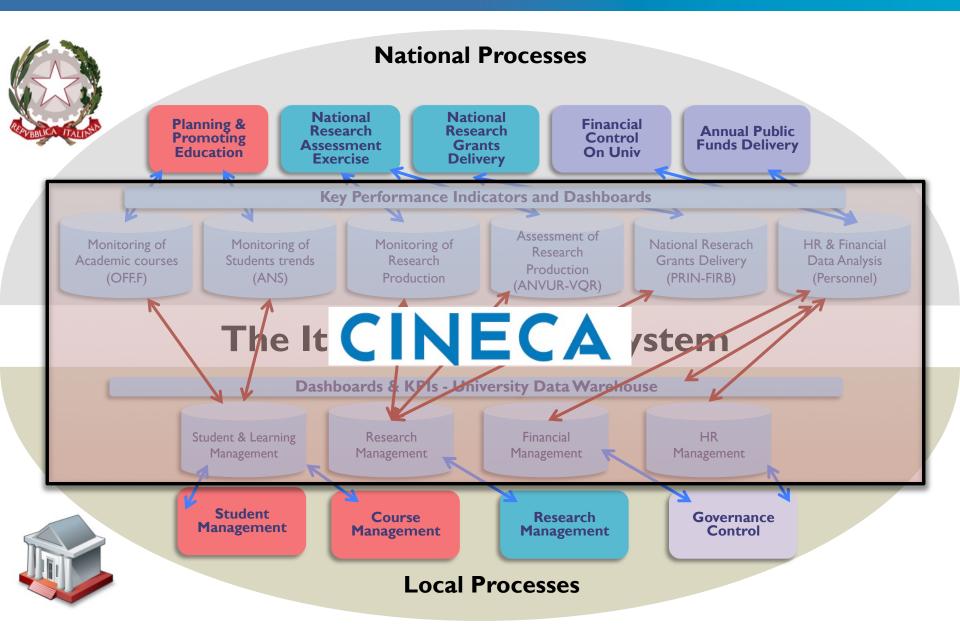
Open Access Week
Ankara, 19-21 October 2015

Michele Mennielli
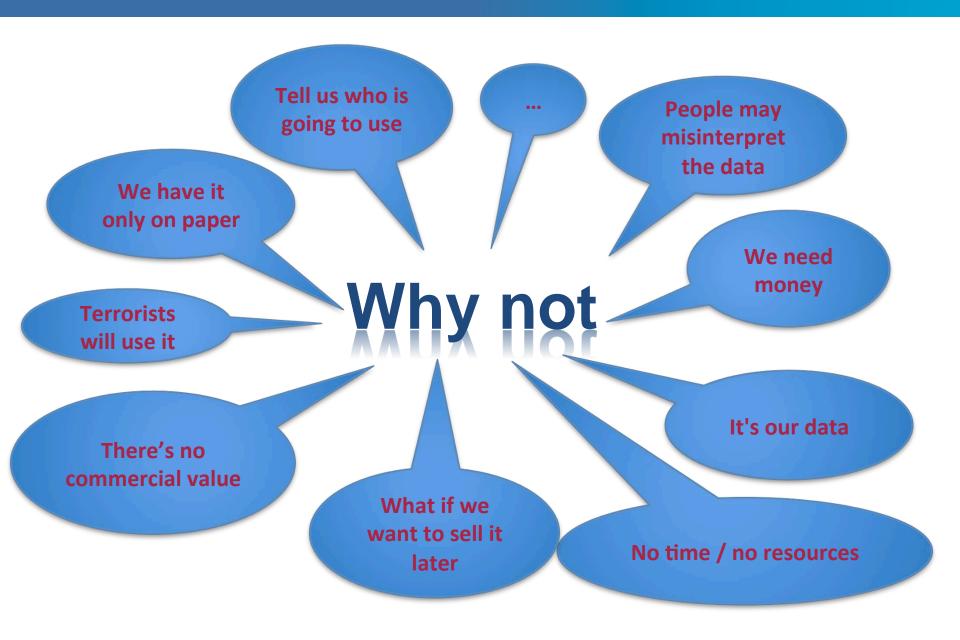*International Relations*

Cineca Consortium

Not For Profit

Founded in 1969

HPC
FERMI: TOP500
EURORA: TOPGREEN500

IS
500 applications
All Italian Universities
Ministry of Higher Ed

75 Members:
70 Universities
4 Research Institutes
Ministry of Education

>900 employees
Bologna
Milan
Rome

The role of Cineca in Italy

Italy

Cineca and the bottom-up approach

What We Had
- Members of Consortium
- Cineca's Mission
- Between Ministry and Universities

What We've Done
- Technological support
- Roadmap & policy definition
- Advocacy, promotion, helpdesk

since 2003

Italy

Cineca's Technological support

National Level

/ **AePIC:** advanced electronic publishing solutions (Nothern Italy - 2003-2012);

/ **Open Access@CASPUR:** providing technical solutions and services (Central and Southern Italy - 2005-2012)

/ **PLEIADI:** national platform for scientific publications archived in Italian OA repositories and journals (**>1M items since 2004**)

Istitutional Level

/ Consultancy

/ **DSpace** installations in over 65 universities

/ **OJS** platform in over 10 institutions

/ **Hosting** of OA Repositories & Journals

/ **IRIS:** from a repository to a CRIS

Italy
Cineca for OA policy and promotion

National Level

/ National initiatives and Working Groups

- Declaration of Messina (2004) in support of Berlin Declaration (over 70 Italian universities)
- CRUI Working Group on Open Access (since 2004)
- Promoting events during the International OA week since 2009
- Member of the national group of experts to support the National Point of Reference (since 2013)

/ Hosting the OA-wiki (the Italian OA portal)

/ National Open Access Desk – OpenAIRE

Istitutional Level

/ Supporting OA mandate policies (CRUI policy guidelines, MedOAnet Guidelines)

/ Implementing EU FP7 OA requirements

/ Support project coordinators for the OpenAIRE portal

Italy

Cineca's international activities

Technology

/ DSpace Community

Registered Service Provider | 2 DSpace Committers ! Steering Group | DSpace-CRIS

/ euroCRIS Community

Board Member | CERIF TG | Architecture TG | Indicators TG

/ OpenAIRE

Italian partner for implementing OpenAIRE guidelines | NOAD

Policy & Promotion

/ EUA Open Access Working Group (2008)

/ SPARC Europe - Board Member (2009-2012)

/ EU funded project:

OpenAIRE | MedOANet | SCOAP3

/ Partecipation in international conferences

Italy

State of the art

Technology

/ 74 OA repositories registered in OpenDOAR

25 fully operational and populated | 13 are OpenAire compliant

/ 100,000 full OA publications out of over 1M OA indexed in PLEIADI

/ 65 installations of IRIS (based on DSpace)

/ Release of a cloud service Research-Link

copyright policy & Autors right | enriching metadata | Linked data

/ Research data storage, preservation and data analytics

Policy & Promotion

/ Implementation of mandatory policies

Institutional | private | Doctoral Thesis

/ Open Access Law (October 7, 2013 n. 112):

Mandate for green OA for research output at least

50% publicly funded

/ MIUR – grant funding for young scientists (2014)

OA mandate for research results
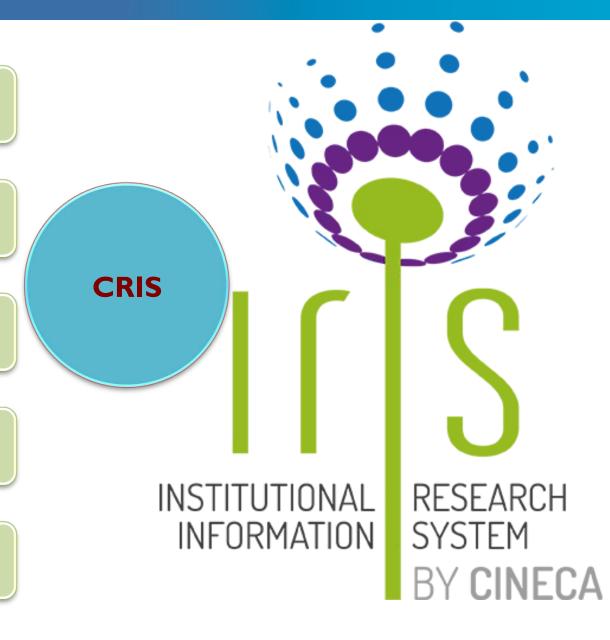
IRIS: Cineca's CRIS Solution

65 Italian Universities

> 5 Million Research objects

Open Access

The core is Open Source

> 10 International Institutions

CRIS

iris

INSTITUTIONAL RESEARCH
INFORMATION SYSTEM
BY CINECA

The value of managing Research

Collect institutional research output for evaluation and assessment purposes

Measure research results for **benchmarking**

Preserve ICT **investments** and maximize **ROI**

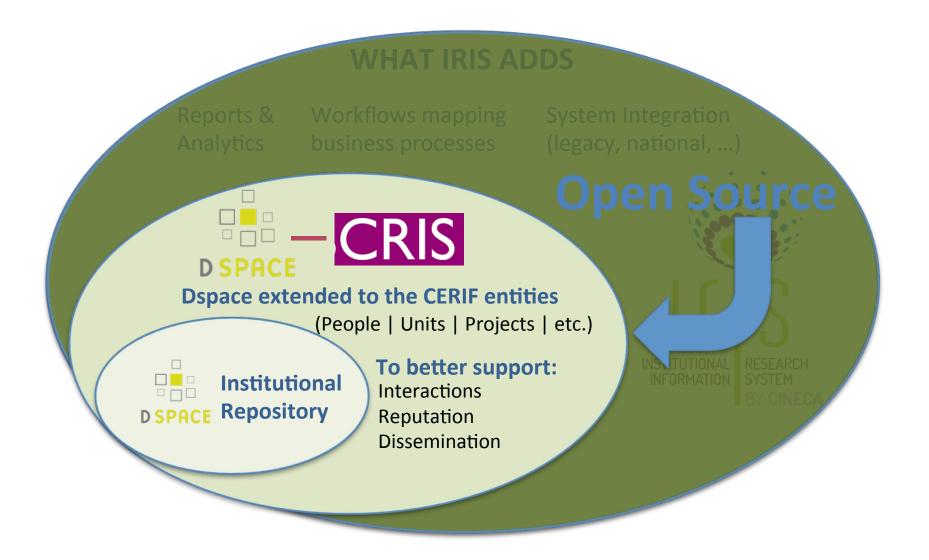**Disseminate** data to enhance **impact and visibility**

What to manage

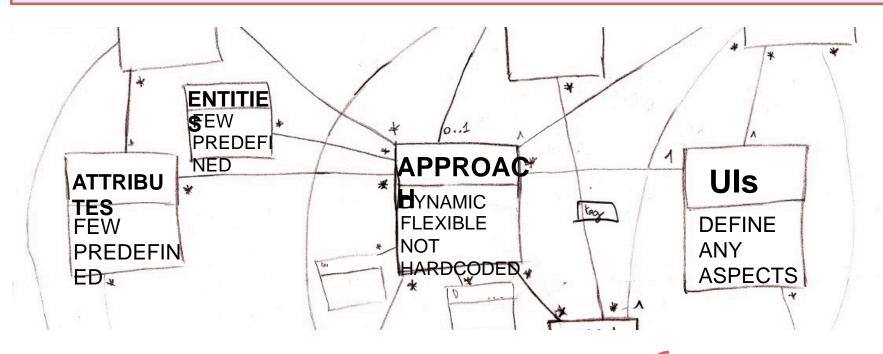**Research Governance:** business processes, management, reporting, integration

Institutional Repository: Publications and Research Data

CRIS: people, units, projects, interactions, reputation, cooperation, dissemination

Cineca's Vision

WHAT IRIS ADDS

Reports & Analytics

Workflows mapping business processes

System Integration (legacy, national, …)

Open Source

D SPACE — CRIS

Dspace extended to the CERIF entities

(People | Units | Projects | etc.)

D SPACE **Institutional Repository**

To better support:
Interactions
Reputation
Dissemination

INSTITUTIONAL INFORMATION | RESEARCH SYSTEM BY CINECA

How DSpace-CRIS was born

The Hong Kong University asks Cineca to transform the DSpace IR into a CRIS (2009)

ENTITIES FEW PREDEFINED

ATTRIBUTES FEW PREDEFINED

APPROACH DYNAMIC FLEXIBLE NOT HARDCODED

UIs DEFINE ANY ASPECTS

Standard Dspace --> publications & dataset

DSpace-CRIS --> other CERIF entites:

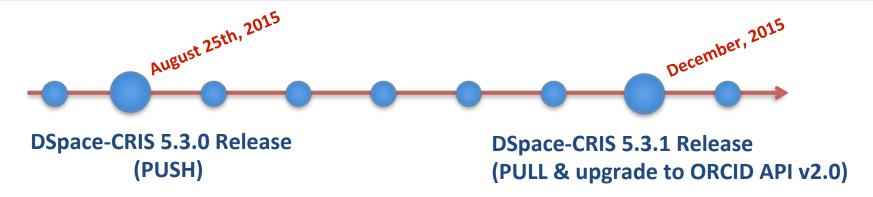/ ResearcherPage

/ Project

/ OrgUnit

/ 2nd Level Dynamic Object

DSpace-CRIS latest releases

It is possible to (public API):

- Login through ORCID*;

- Claim profile through ORCID;

- Register/Associate an ORCID to your own DSpace-CRIS profile

It is possible to (membership API):

- **Push** publications, projects & biography data to ORCID

- **Pull** extended information from ORCID (automatically with ORCID Premium)

August 25th, 2015
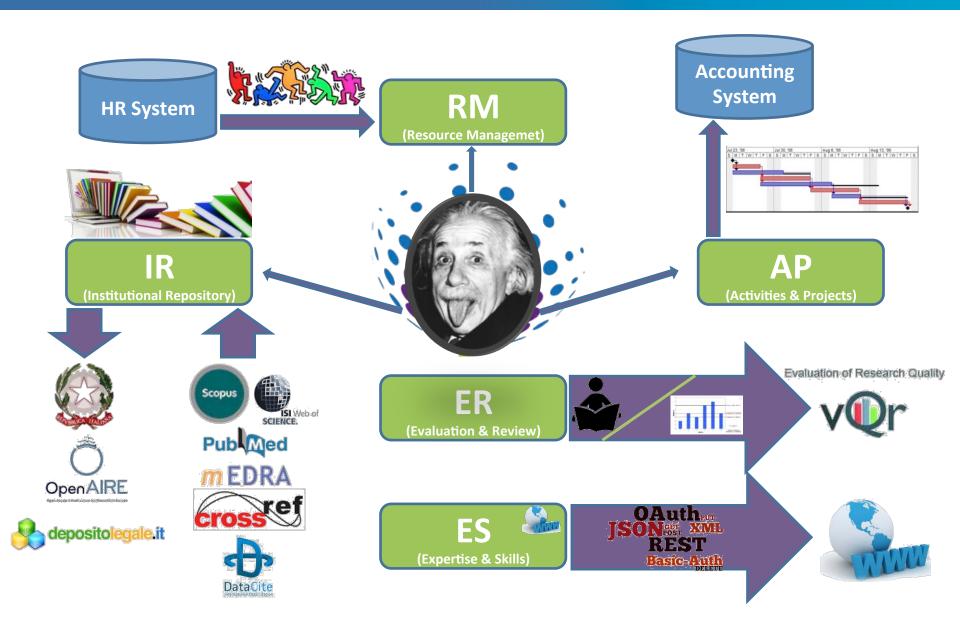
December, 2015

**DSpace-CRIS 5.3.0 Release
(PUSH)**

**DSpace-CRIS 5.3.1 Release
(PULL & upgrade to ORCID API v2.0)**

Where to find DSpace-CRIS

>20 Installations (the 5 Continents, euroCRIS & the World Health Organisation)

Support of all DSpace versions accepted by the Community

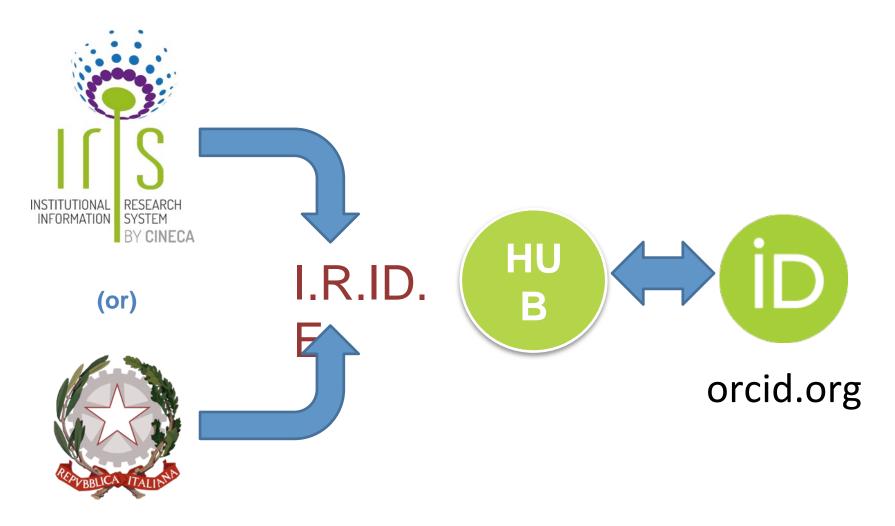Free download available at: github.com/Cineca/dspace-cris/

Technical doc: http://cineca.github.io/dspace-cris/doc/technical-documentation.pdf
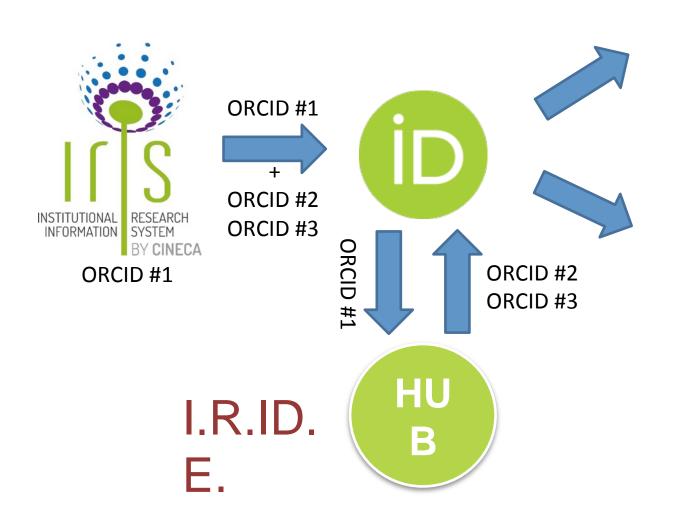
How IRIS works

HR System

RM
(Resource Managemet)

Accounting System

IR
(Institutional Repository)

AP
(Activities & Projects)

ER
(Evaluation & Review)

Evaluation of Research Quality

ES
(Expertise & Skills)

The Virtuous Circle
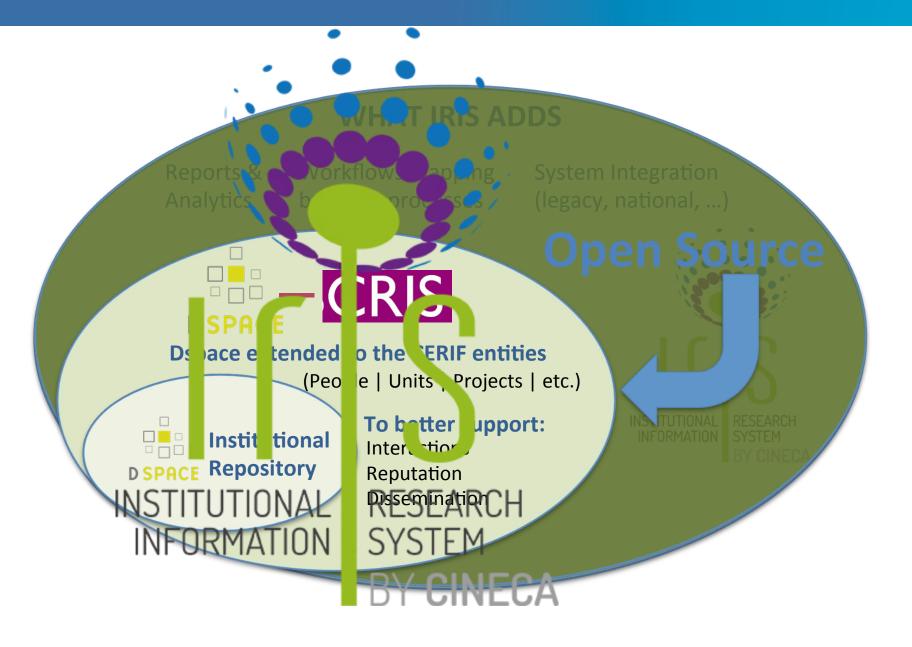
Tracking external authors

In 2016…

Lets see…

… some functionalities

Case Study #1: HKU Scholars HUB

HKU HUB: The Researcher

HKU HUB: The Publication (1)

HKU HUB: The Publication (2)

🏠 Home | Publications | Researchers | Organizations | Grants | Theses | Patents | Community Service
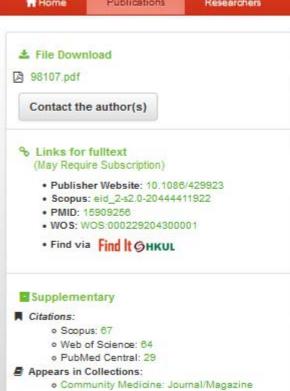
⬇ **File Download**

There are no files associated with this item.

Contact the author(s)

🔗 **Links for fulltext**
(May Require Subscription)

- **Publisher**
  Website: 10.1177/0020764014543711
- **Find via** Find It ⊘HKUL

⊟ **Supplementary**

📕 **Appears in Collections:**
- Faculty of Business & Economics: Journal/Magazine Articles
- Social Sciences Research Centre: Journal/Magazine Articles
- Social Work & Social Administration: Journal/Magazine Articles
- Hong Kong Jockey Club Centre for Suicide Research and Prevention: Journal/Magazine Articles
- Psychology: Journal/Magazine Articles
- Journalism & Media Studies Centre: Journal/Magazine Articles
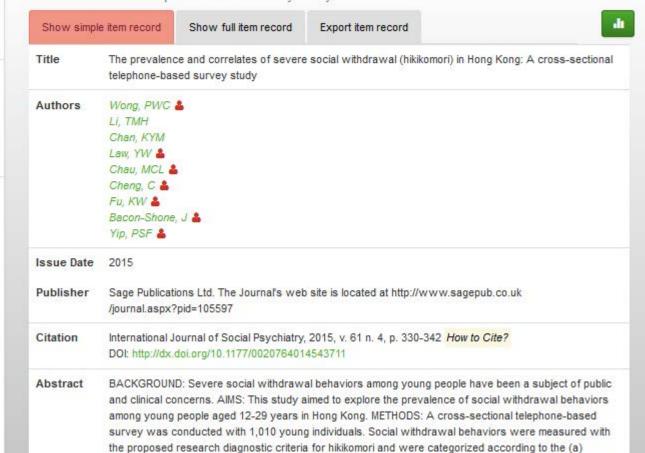
[Am] score 7

See more details
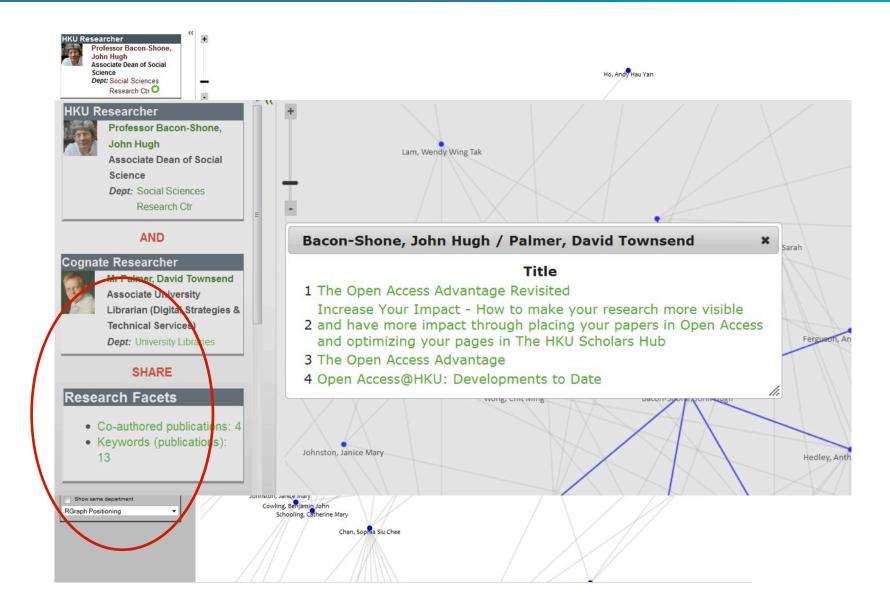
Tweeted by **17**
On 1 Facebook pages

3 readers on Mendeley

Article: The prevalence and correlates of severe social withdrawal (hikikomori) in Hong Kong: A cross-sectional telephone-based survey study

| Show simple item record | Show full item record | Export item record |

Title	The prevalence and correlates of severe social withdrawal (hikikomori) in Hong Kong: A cross-sectional telephone-based survey study
Authors	Wong, PWC 👤 Li, TMH Chan, KYM Law, YW 👤 Chau, MCL 👤 Cheng, C 👤 Fu, KW 👤 Bacon-Shone, J 👤 Yip, PSF 👤
Issue Date	2015
Publisher	Sage Publications Ltd. The Journal's web site is located at http://www.sagepub.co.uk/journal.aspx?pid=105597
Citation	International Journal of Social Psychiatry, 2015, v. 61 n. 4, p. 330-342 *How to Cite?* DOI: http://dx.doi.org/10.1177/0020764014543711
Abstract	BACKGROUND: Severe social withdrawal behaviors among young people have been a subject of public and clinical concerns. AIMS: This study aimed to explore the prevalence of social withdrawal behaviors among young people aged 12-29 years in Hong Kong. METHODS: A cross-sectional telephone-based survey was conducted with 1,010 young individuals. Social withdrawal behaviors were measured with the proposed research diagnostic criteria for hikikomori and were categorized according to the (a)

HKU HUB: The Network

Case Study #2: euroCRIS

euroCRIS: CERIF entities

Highlight CRIS database
macro areas

euroCRIS: new functions

euroCRIS: Interoperability

Allow end-user interaction

euroCRIS: Interoperability

euroCRIS: Interoperability

euroCRIS: Interoperability

euroCRIS: Interoperability

IRIS: Publications & Departments_1

IRIS: Publications & Departments_2

Aggregated trends

IRIS: Impact Factor

Dipartimento	Conteggio pubblicazioni									
	2009		2010		2011		2012		2013	
	CON	SENZA	CON	SENZA	CON	SENZA	CON	SENZA	CON	SENZA
DIPARTIMENTO DI BIOSCIENZE	191	149	195	151	201	89	202	84	181	75
DIPARTIMENTO DI BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE	326	142	320	101	268	92	257	63	184	77
DIPARTIMENTO DI CHIMICA	182	190	180	201	174	158	186	161	190	142
DIPARTIMENTO DI SCIENZE BIOMEDICHE E CLINICHE "L. SACCO"	256	208	243	191	251	101	246	117	208	105
DIPARTIMENTO DI SCIENZE BIOMEDICHE PER LA SALUTE	302	492	328	441	352	382	367	340	362	313
DIPARTIMENTO DI SCIENZE BIOMEDICHE, CHIRURGICHE ED ODONTOIATRICHE	112	250	144	213	118	152	149	142	120	110

With & **Without** Impact Factor

IRIS: analysis of publications

IRIS: matching indicators

Citations | **Index** | **I.F.**

Elenco alla data corrente - pubblicazioni, contributi, workflow

title	numero citazioni google scholar	numero citazioni pubmed	numero citazioni scopus	numero citazioni WOS	scopus: SJR index	scopus: SNIP index	scopus: SJR2 index	scopus: SNIP2 index	wos: impact factor
Search for magnetic monopoles in √s=7 TeV pp collisions with the ATLAS detector			2	3	0,633	3,219	4,537	2,417	7,943
Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at sqrt[s]=7 TeV Collected by the ATLAS Detector			3	3	0,633	3,219	4,537	2,417	7,943
The threshold region for Higgs production in gluon fusion			4	2	0,633	3,219	4,537	2,417	7,943
Colloidal aggregation in microgravity by critical Casimir forces			5	6	0,633	3,219	4,537	2,417	7,943
Search for low-mass dark-sector Higgs bosons			5	12	0,633	3,219	4,537	2,417	7,943
Search for Pair Production of a New b' Quark that Decays into a Z Boson and a Bottom Quark with the ATLAS Detector			7	5	0,633	3,219	4,537	2,417	7,943
New isomers in the full seniority scheme of neutron-rich lead isotopes : the role of effective three-body forces			7	7	0,633	3,219	4,537	2,417	7,943
Search for tb Resonances in Proton-Proton Collisions at √s=7 TeV with the ATLAS Detector			8	8	0,633	3,219	4,537	2,417	7,943
Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at √s = 7 TeV with the ATLAS Detector			10	4	0,633	3,219	4,537	2,417	7,943
Ancilla-assisted calibration of a measuring apparatus			10	8	0,633	3,219	4,537	2,417	7,943
High-order-harmonic generation and superradiance in a seeded free-electron laser			12	8	0,633	3,219	4,537	2,417	7,943
Measurement of the ZZ Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at sqrt[s]=7 TeV with the ATLAS Detector			12	8	0,633	3,219	4,537	2,417	7,943
Controlled Dicke subradiance from a large cloud of two-Level systems			13	16	0,633	3,219	4,537	2,417	7,943

Publications

Prima < 1 2 3 4 **5** 6 7 8 > Ultima

Opzioni di esportazione: CSV EXCEL XML PDF RTF TAB

IRIS: National Assessment (Researcher PoV)

To the Ministry

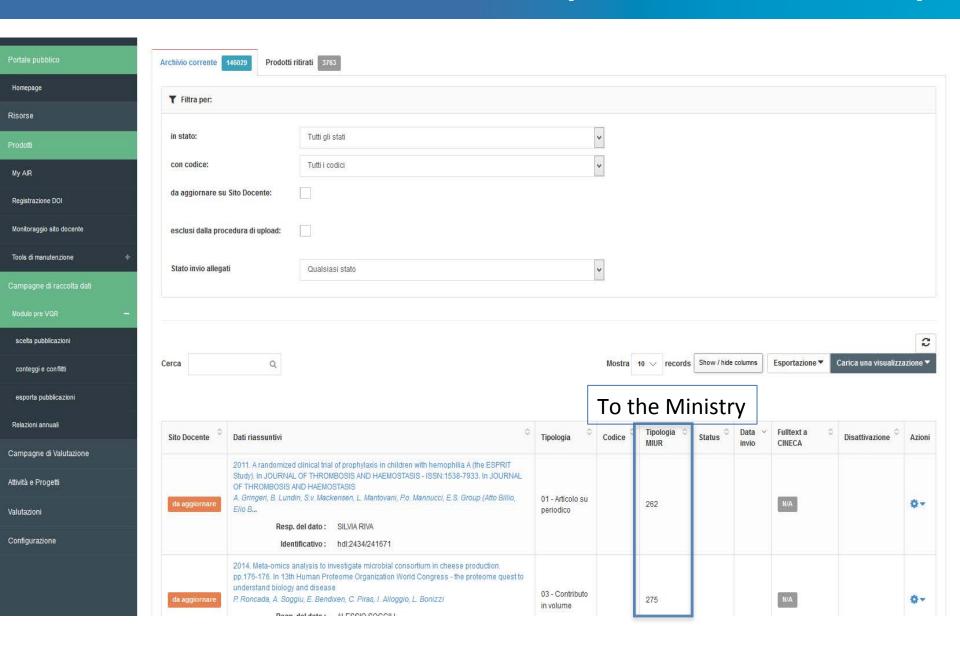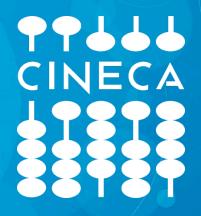| Dati riassuntivi	Tipologia	Status	MIUR	Ultima modifica	Azioni
2009-01-13. KNOCK DOWN OF AQP1 IN HMEC-1 CELLS AND WM115 CELLS CHANGES THE ORGANIZATION OF THE CYTOSKELETON Resp. del dato: ELENA MONZANI Identificativo: ID:115109	13 - Tesi di dottorato discussa entro ottobre 2010	provvisorio	N/A ⓘ	20/6/2011 13:11	☼▾
2006-02-06. Caratterizzazione di nuovi meccanismi di inibizione dell'attività biologica delle chemochine infiammatorie : antagonisti recettoriali e recettori decoy Resp. del dato: EMANUELA RITA GALLIERA Identificativo: hdl:2434/54135	13 - Tesi di dottorato discussa entro ottobre 2010	definitivo	N/A ⓘ	23/6/2011 17:48	☼▾
2009. Analisi genetica di molecole infiammatorie e di adesione coinvolte nella patogenesi della sclerosi multipla Resp. del dato: ELIO ANGELO SCARPINI Identificativo: hdl:2434/64141	13 - Tesi di dottorato discussa entro ottobre 2010	definitivo	N/A ⓘ	23/6/2011 17:48	☼▾
2008. Housekeeping by chemokine scavenging. pp.215-216. In BLOOD - ISSN:0006-4971. In BLOOD vol. 112 (2) A. Mantovani, M. Locati Resp. del dato: MASSIMO LOCATI Identificativo: hdl:2434/43419	01 - Articolo su periodico	definitivo	successo ⓘ	23/6/2011 18:03	☼▾
2008-08-28. Cancer related inflammation : the macrophage connection. pp.204-215. In CANCER LETTERS - ISSN:0304-3835. In CANCER LETTERS vol. 267 (2) A. Sica, P. Allavena, A. Mantovani Resp. del dato: sei il responsabile Identificativo: hdl:2434/43492	01 - Articolo su periodico	definitivo	successo ⓘ	23/6/2011 18:03	☼▾
2008-03-01. Antiviral activity of the long chain pentraxin PTX3 against influenza viruses. pp.3391-3398. In JOURNAL OF IMMUNOLOGY - ISSN:0022-1767. In JOURNAL OF IMMUNOLOGY vol. 180 (5) P.C. Reading, S. Bozza, B. Gilbertson, M. Tate, S. Moretti, E.R. Job, E.C. Crouch, A.G. Brooks, L.E.... Resp. del dato: sei il responsabile Identificativo: hdl:2434/43480	01 - Articolo su periodico	definitivo	successo ⓘ	23/6/2011 18:03	☼▾
2008-03-15. Lack of Toll IL-1R8 exacerbates Th17 cell responses in fungal infection. pp.4022-4031. In JOURNAL OF IMMUNOLOGY - ISSN:0022-1767. In JOURNAL OF IMMUNOLOGY vol. 180 (6) S. Bozza, T. Zelante, S. Moretti, P. Bonifazi, A. Deluca, C. D'Angelo, G. Giovannini, C. Garlanda, L... Resp. del dato: sei il responsabile Identificativo: hdl:2434/43623	01 - Articolo su periodico	definitivo	successo ⓘ	23/6/2011 18:04	☼▾

IRIS: National Assessment (Governance PoV)

Thank you for your attention

Open Access Week
Ankara, 19-21 October 2015

Michele Mennielli
m.mennielli@cineca.it
@micmenn
michele.mennielli

TÜBİTAK

4. ULUSAL AÇIK ERİŞİM ÇALIŞTAYI

AE 2015

Teşekkürler