ISTI Open Portal: uno strumento “a servizio” dell’Open Access

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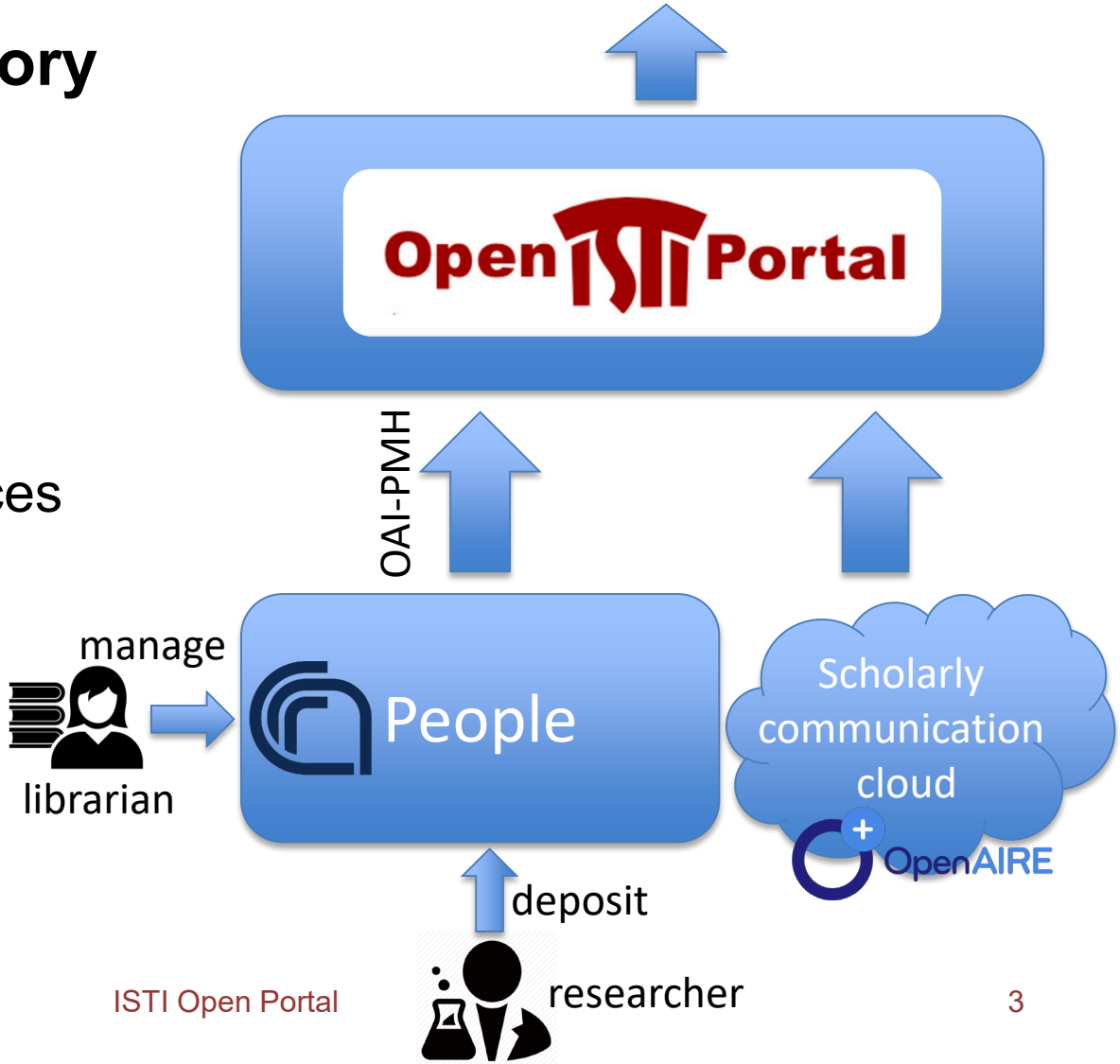
Motivations and Settings

- Open Access (& Open Data) mandates (e.g. EU)
  - PuMa was “getting old”
  - People is not a suitable repository
- Settings
  - Willingness to have a per-institute “repository”
    - … better than a (static!) web page
  - Any repository technology brings a management overhead, e.g. the need to publish twice
  - Per institute proprietary solutions are affected by scarce funding & effort wasting
  - Open Science advocacy

Overall idea

- **Overlay Repository as-a-Service** capitalizing on:
  - CNR People
  - OpenAIRE
    - Scholexplorer
  - Third-party services
  - Digital Library background
- Goal:
  - data enrichment
  - user friendliness



ISTI Open Access Policy

"L'ISTI si propone di realizzare l'**accesso aperto ai *prodotti della ricerca*** (e.g. pubblicazioni, dati, software) tramite l'**Archivio Istituzionale People** quindi mediante ***autoarchiviazione***, noto come *green Open Access*) nonché tramite ogni altro strumento utile, nel rispetto delle leggi concernenti la tutela della proprietà intellettuale, la riservatezza e la protezione dei dati personali, nonché la tutela, l'accesso e la valorizzazione del patrimonio culturale.»

«A **complemento** dell'Archivio Istituzionale, l'ISTI persegue le finalità dell'accesso aperto attraverso lo **sviluppo e la manutenzione di un portale (ISTI Open Portal) dedicato alla fruizione** dei *prodotti della ricerca* depositati in People.»

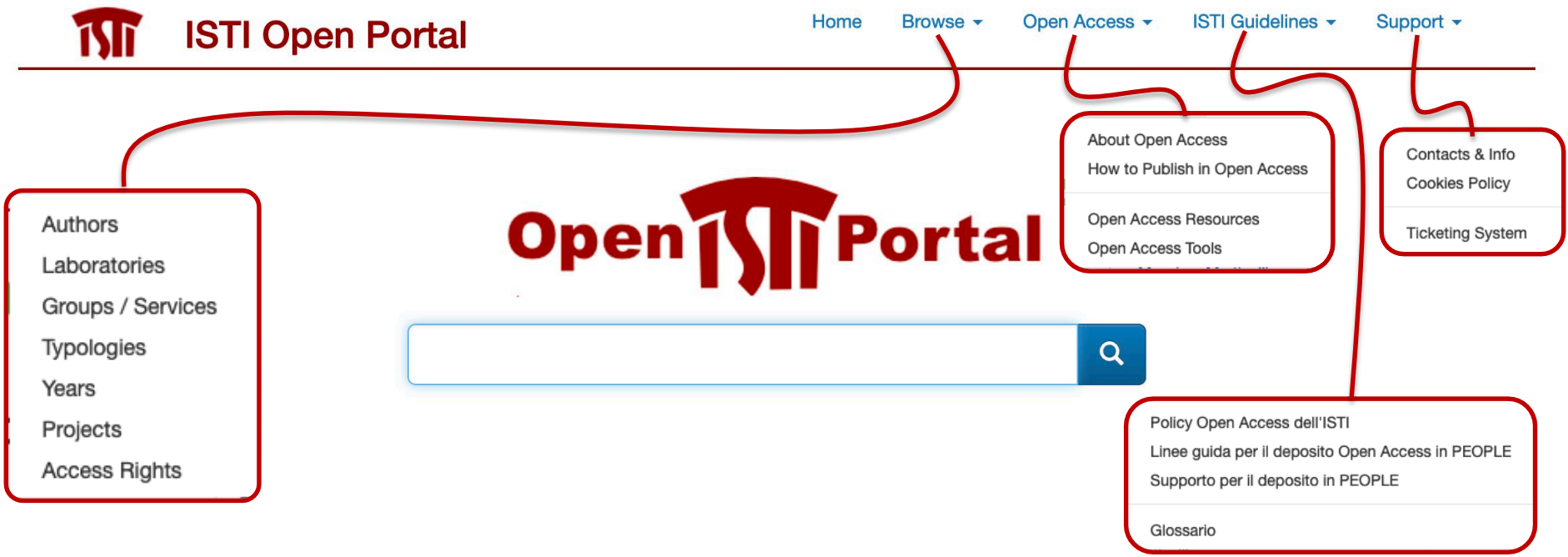
«L'ISTI prevede che, a partire dalla data di entrata in vigore di questa policy ogni unità di personale afferente all'ISTI, in qualità di **autore** di un prodotto della ricerca, **depositi nell'Archivio Istituzionale People**: *(i)* le informazioni sul prodotto (***metadati***) e *(ii)* una ***versione digitale*** del prodotto della ricerca ai fini dell'***accesso aperto***.»

«Nel caso di prodotto di tipo ***software*** o ***dataset***, si suggerisce il deposito della versione digitale del prodotto in un **archivio appropriato per tali tipologie** di artefatti (e.g. Zenodo). In tal caso, il prodotto depositato in People conterrà un riferimento alla versione digitale.»

https://openportal.isti.cnr.it/isti-guidelines/policy-open-access-dell-isti

ISTI Open Portal

https://openportal.isti.cnr.it



ISTI Open Portal: results page

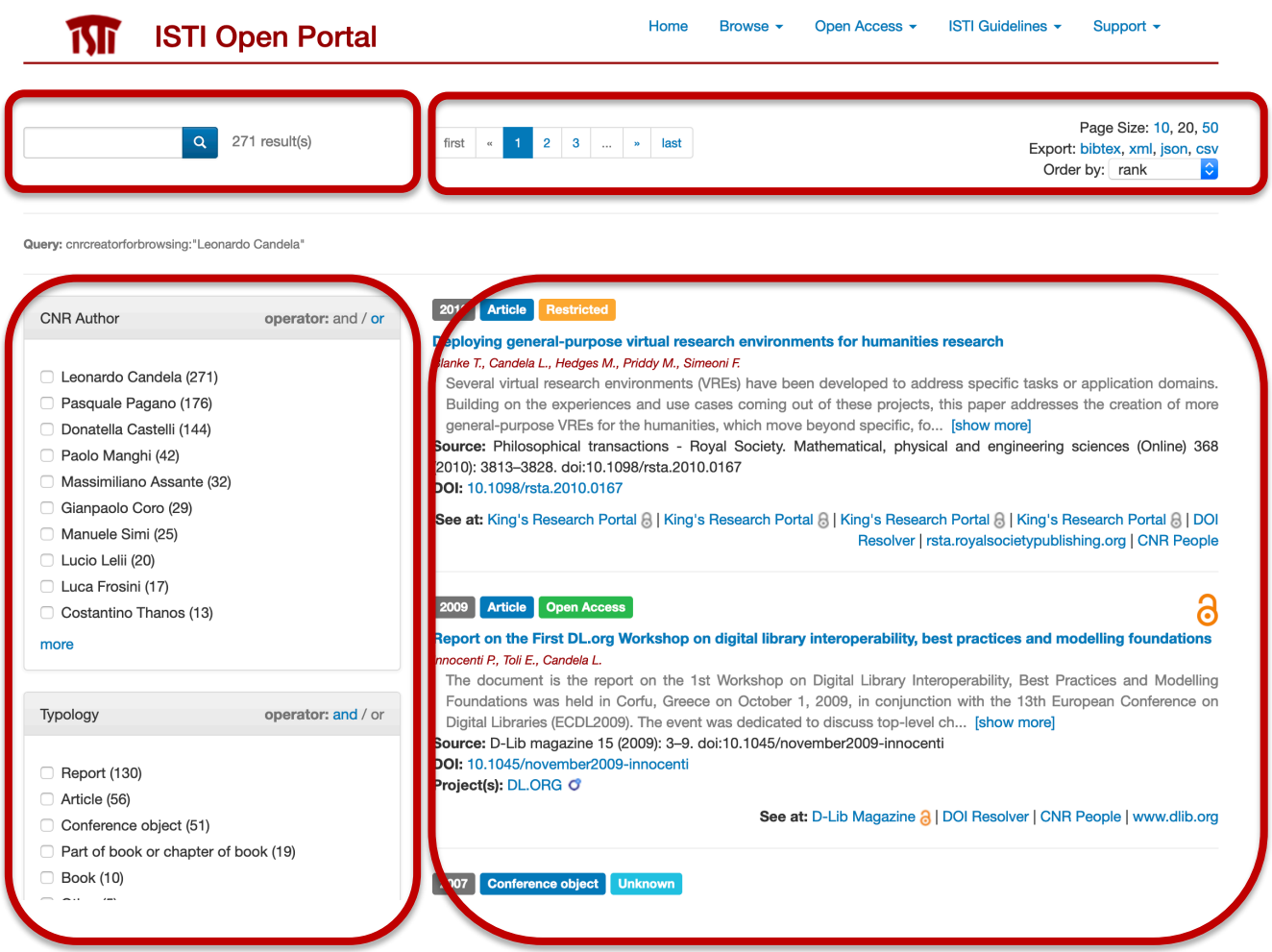
Sub search

Paging, Export & Re-order

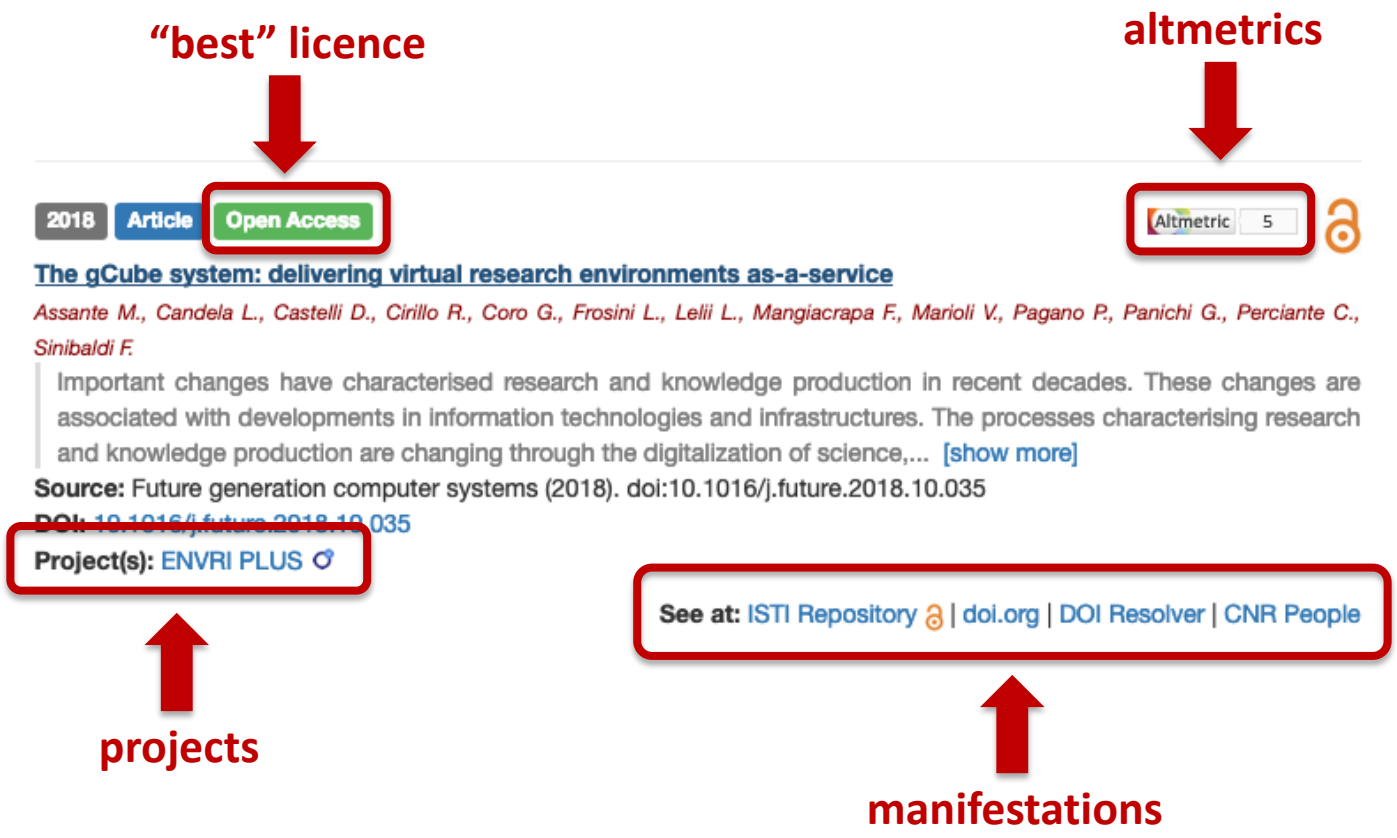
Faceted search

- **Author**
- **Typology**
- **Year**
- **Licence**

Items



ISTI Open Portal: compact view



ISTI Open Portal: detailed view

2018

Article | Open Access

The gCube system: delivering virtual research environments as-a-service

Assante M., Candela L., Castelli D., Cirillo R., Coro G., Frosini L., Lelii L., Mangiacrapa F., Marioli V., Pagano P., Panichi G., Perciante C., Sinibaldi F.

Virtual Research Environments | Open Science | Data analytics | gcube

Important changes have characterised research and knowledge production in recent decades. These changes are associated with developments in information technologies and infrastructures. The processes characterising research and knowledge production are changing through the digitalization of science, the virtualisation of research communities and networks, the offering of underlying systems and services by infrastructures. This paper gives an overview of gCube, a software system promoting elastic and seamless access to research assets (data, services, computing) across the boundaries of institutions, disciplines and providers to favour collaboration-oriented research tasks. gCube's technology is primarily conceived to enable Hybrid Data Infrastructures facilitating the dynamic definition and operation of Virtual Research Environments. To this end, it offers a comprehensive set of data management commodities on various types of data and a rich array of "mediators" to interface well-established Infrastructures and Information Systems from various domains. Its effectiveness has been proved by operating the D4Science.org infrastructure and serving concrete, multidisciplinary, challenging, and large scale scenarios.

Source: Future generation computer systems (2018). doi:10.1016/j.future.2018.10.035

Publisher: North-Holland, Amsterdam , Paesi Bassi

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Laboratories

Networked Multimedia Information System

Links to CNR Authors & Labs

People CNR

Bibliographic record

DOI

10.1016/j.future.2018.10.035

Also available from

ISTI Repository
doi.org

Manifestations

Projects (via OpenAIRE)

OPENAIREPLUS
2nd-Generation Open Access Infrastructure for Research in Europe

IMARINE
Data e-Infrastructure Initiative for Fisheries Management and Conservation of Marine Living Resources

OpenAIRE

Projects

Links to datasets

Data Journals: A Survey - Tables

Links to datasets

sharing

altmetrics

See more details

Picked up by **3** news outlets
Blogged by **1**
Referenced in **2** policy sources
Tweeted by **2**
Referenced in **112** patents

2564 readers on Mendeley
45 readers on CiteULike

Citations

Amati, G. and Crestani, F. 1999. Probabilistic learning for selective dissemination of information. Information Processing and Management 35, 5, 633-654.
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Chakrabarti, S., Dom, B. E., Agra , and Raghavan, P. 1998a. Scalable feature selection, classification and signature generation for organizing large text databases into hierarchical topic taxonomies. Journal of Very Large Data Bases 7, 3, 163-178.
Chakrabarti, S., Dom, B. E., and Indyk, P. 1998b. Enhanced hypertext categorization using hyperlinks. In Proceedings of SIGMOD-98, ACM International Conference on Management of Data

References

People and Open Portal Perspectives

2015

Article | Open Access

Data journals: a survey

Candela L., Castelli D., Manghi P., Tani A.

Data Citation | Scholarly communication | Data Quality | Data Availability | Data Journals | Open Access Publishing | H.3.7 Digital Libraries | Data Documentation | Data publishing | Data Publishing

Data occupy a key role in our information society. However, although the amount of published data continues to grow and terms such as data deluge and big data today characterize numerous (research) initiatives, much work is still needed in the direction of publishing data in order to make them effectively discoverable, available, and reusable by others. Several barriers hinder data publishing, from lack of attribution and rewards, vague citation practices, and quality issues to a rather general lack of a data-sharing culture. Lately, data journals have overcome some of these barriers. In this study of more than 100 currently existing data journals, we describe the approaches they promote for data set description, availability, citation, quality, and open access. We close by identifying ways to expand and strengthen the data journals approach as a means to promote data set access and exploitation.

Source: Journal of the American Society for Information Science and Technology (Print) 66 (2015): 1747–1762. doi:10.1002/asi.23358

Publisher: John Wiley & Sons,, New York, N.Y. , Stati Uniti d'America

Back to previous page

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Laboratories
Networked Multimedia Information System

People CNR
Bibliographic record

DOI
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Also available from
OpenAIRE
OpenAIRE
OpenAIRE
onlinelibrary.wiley.com

Links to datasets
Data Journals: A Survey - Tables

Projects (via OpenAIRE)
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IMARINE
Data e-Infrastructure Initiative for Fisheries Management and Conservation of Marine Living Resources

OpenAIRE

46

See more details

Blogged by **4**
Referenced in **1** policy sources
Tweeted by **15**
Referenced in **3** Wikipedia pages

114 readers on Mendeley
3 readers on CiteULike

Consiglio Nazionale delle Ricerche

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Tipo di prodotto	Articolo in rivista
Titolo	Data journals: a survey
Anno di pubblicazione	2015
Formato	• Elettronico • Cartaceo
Autore/i	Candela L.; Castelli D.; Manghi P.; Tani A.
Affiliazioni autori	CNR-ISTI, Pisa, Italy; CNR-ISTI, Pisa, Italy; CNR-ISTI, Pisa, Italy; CNR-ISTI, Pisa, Italy
Autori CNR e affiliazioni	• ALICE TANI • LEONARDO CANDELA • PAOLO MANGHI • DONATELLA CASTELLI
Lingua/e	• inglese
Abstract	Data occupy a key role in our information society. However, although the amount of published data continues to grow and terms such as data deluge and big still needed in the direction of publishing data in order to make them effectively discoverable, available, and reusable by others. Several barriers hinder data practices, and quality issues to a rather general lack of a data-sharing culture. Lately, data journals have overcome some of these barriers. In this study of m approaches they promote for data set description, availability, citation, quality, and open access. We close by identifying ways to expand and strengthen the exploitation.
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Altro abstract	-
Lingua altro abstract	-
Pagine da	1747
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Pagine totali	-
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Numero volume della rivista	66
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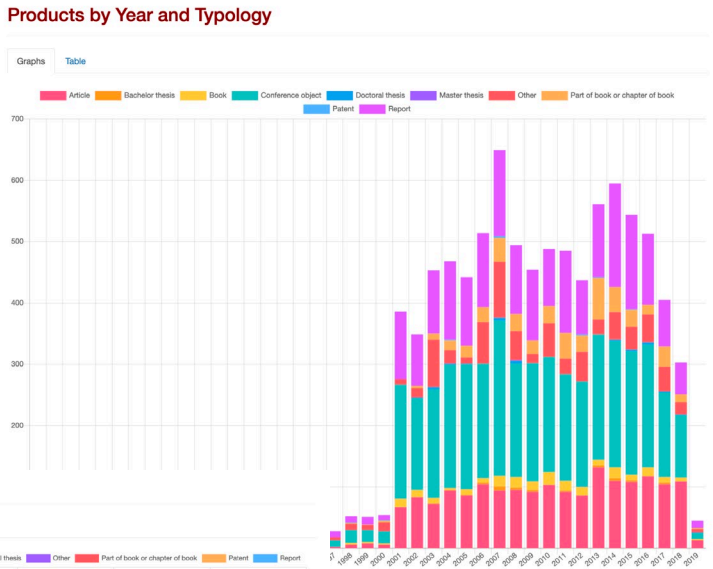
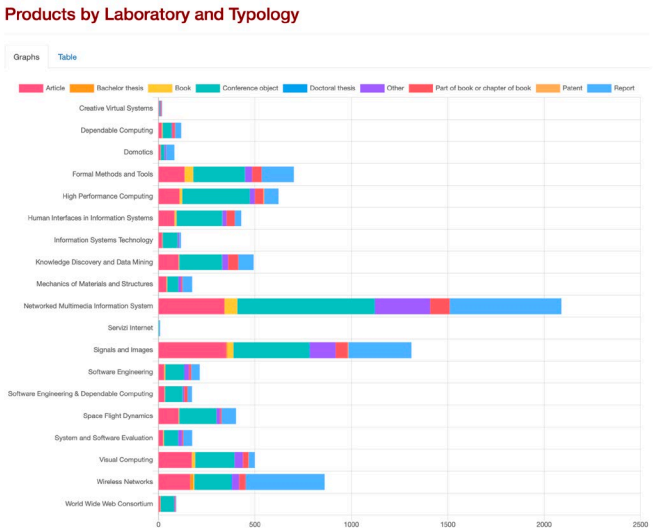
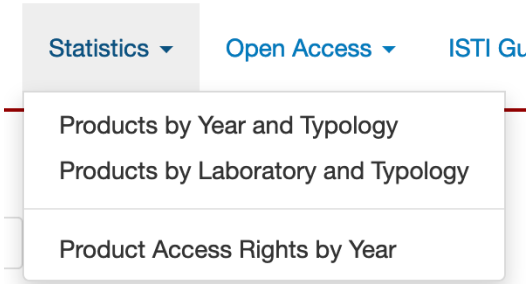
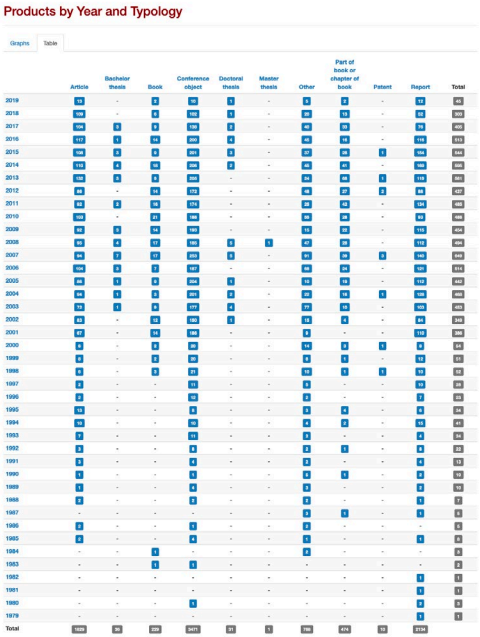
Verificato da referee	Si: Internazionale
Stato della pubblicazione	Published version
Indicizzazione (in banche dati controllate)	• ISI Web of Science (WOS) (Codice:000359021200001) • Scopus (Codice:2-s2.0-84941304633)
Parole chiave	Data Journals, Data publishing, Scholarly communication, H.3.7 Digital Libraries
Link (URL, URI)	http://onlinelibrary.wiley.com/doi/10.1002/asi.23358/abstract

Statistics (beta)





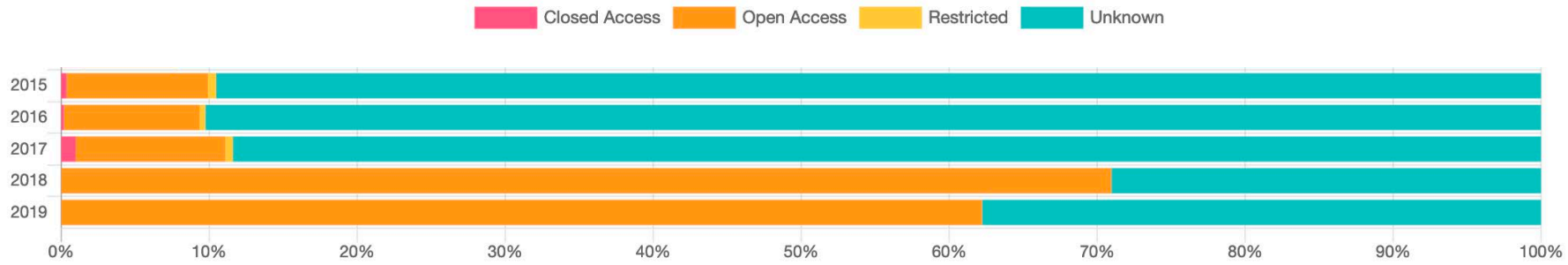




About Open Access

Product Access Rights by Year

Graphs | Table



Rights 2015

- Unknown (487)
- Open Access (52)
- Restricted (3)
- Closed Access (2)

Rights 2016

- Unknown (463)
- Open Access (47)
- Restricted (2)
- Closed Access (1)

Rights 2017

- Unknown (358)
- Open Access (41)
- Closed Access (4)
- Restricted (2)

Rights 2018

- Open Access (215)
- Unknown (88)

Rights 2019

- Open Access (28)
- Unknown (17)

Indicators

	People	ISTI Open Portal	Improvement
Records	8983	8983	n.a.
Subjects	10,213	11,673	+14% circa
Projects	580	741	+27% circa
Manifestations	7,838	8,842	+12% circa
Datasets	0	16	n.a.
Citations	0	4,876	n.a.

OpenAIRE near future

55Mi
literature-research data links
ScholeXplorer
The Data Literature Interlinking Service

10Mi+
Open Access PDFs for mining

27 mi publications, 1 mi research data from 15 K content providers and 18 funders linked together for an integrated research search

94 mi publications, 8 mi research data from 9,800 content providers and 28 funders linked together for an integrated research search

Analisi SWOT

Strengths
- Complementarity with People
- Ready to use and easy to customize
- Low maintenance and operation costs
- Benefit from Scholarly Communication Cloud enhancements

Weaknesses
- Dependency on People
- Dependency on third-party services

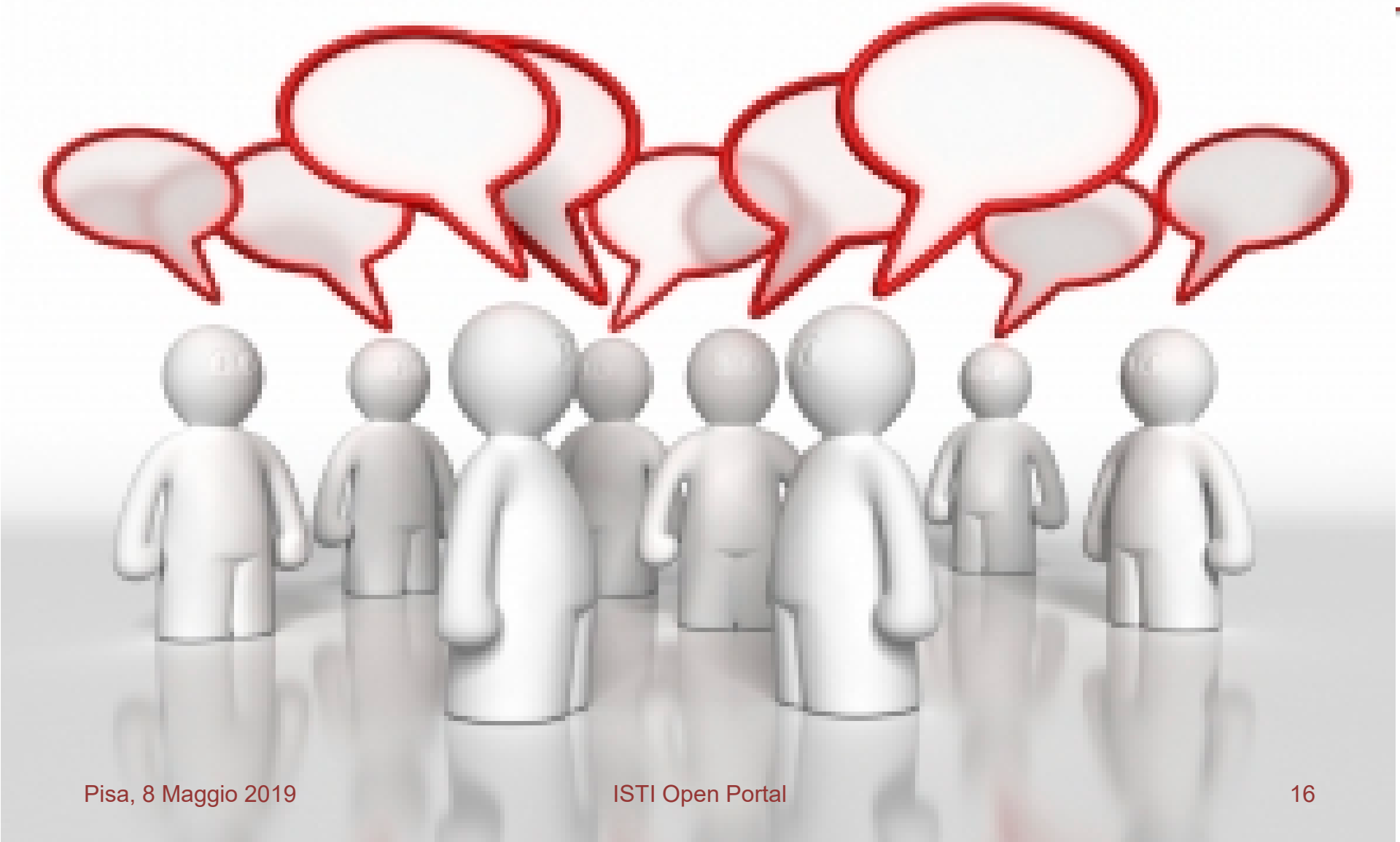
Opportunities
- Suitable for CNR Institutes
- Enhance visibility of per Institute production
- Enhance and extend People metadata

Threats
- Possibly infringes Institute autonomy

Open Portal @ ISMAR

https://openportal.ismar.cnr.it/

Next steps

- Make it OpenAIRE compliant
- Make it Plan S compliant
- Statistics dashboard
  - Usage statistics
- Feedback to Librarian
- Integration with bibliometrics services

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