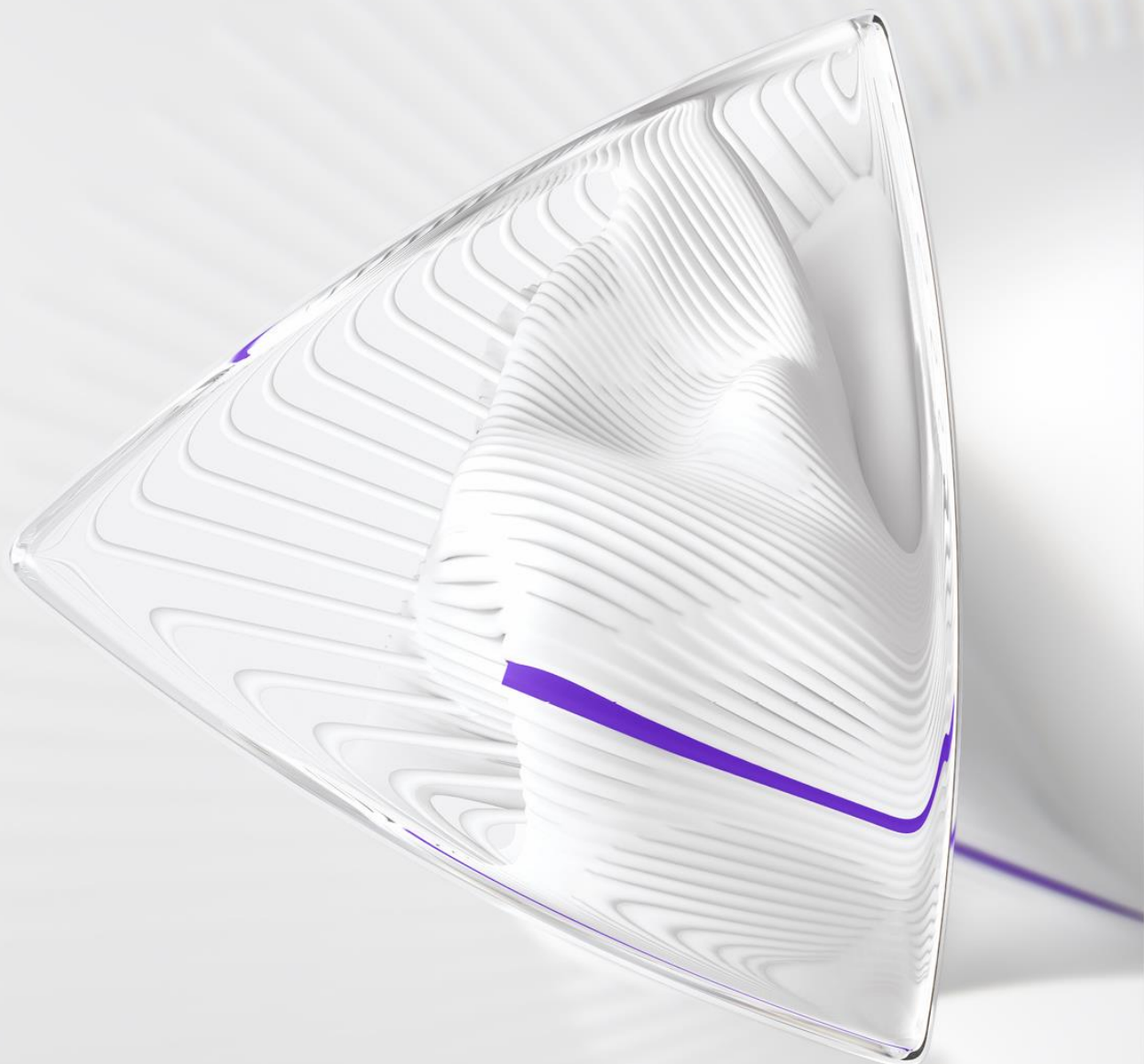
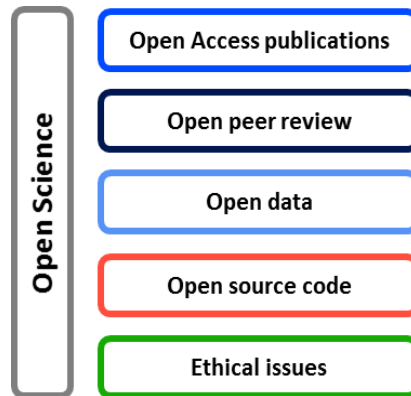


# Open Access in Italy – Data and ideas for analysis



# Clarivate initiatives supporting Open Science



**Open Science** is a concept that encompasses many different aspects within, and even beyond, the Scholarly Communications ecosystem.

The **Web of Science** believes that open science initiatives will help science be more efficient, improve research outcomes, and establish public confidence in science through improved transparency. As a producer of **publisher neutral resources**, we are uniquely positioned to provide data and services to help institutions meet the goals of open science initiatives. Our goals: to help you comply with funding mandates, measure relevant impacts, and improve research efficiency and transparency.

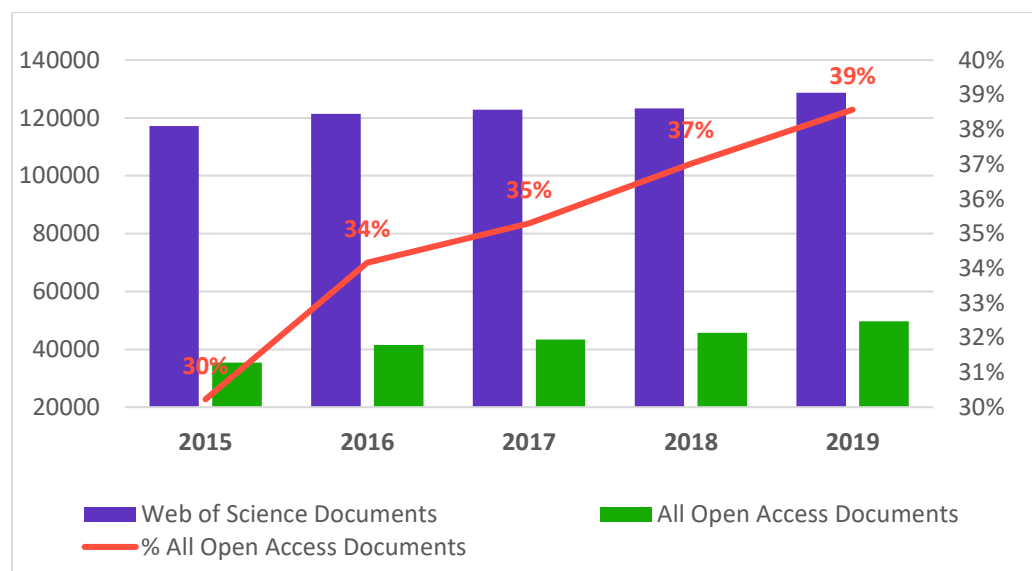
Web of Science is supporting Open Science initiatives with trusted data & scalable tools:

- **Web of Science** helps find full text from quality Open Access journals and measure the impact of institutions investment in Open Access.
- Our Journal Selection Policy helps researchers find and publish content in reputable Open Access journals (via the **Master Journal List**).
- **Kopernio** delivers Open Access content to students and faculty when subscription content is unavailable.
- **Publons** provides infrastructure to make open peer review possible.
- 90% of repositories in the **Data Citation Index** provide free access to content, so that data can be acquired instantly. We are DataCite members and endorse the Force 11 joint declaration on data citation.
- Web of Science is a corporate sponsor of **VIVO**, which can be used to build research portals for institutions.

# Open Access landscape in Italy (2015-2019)

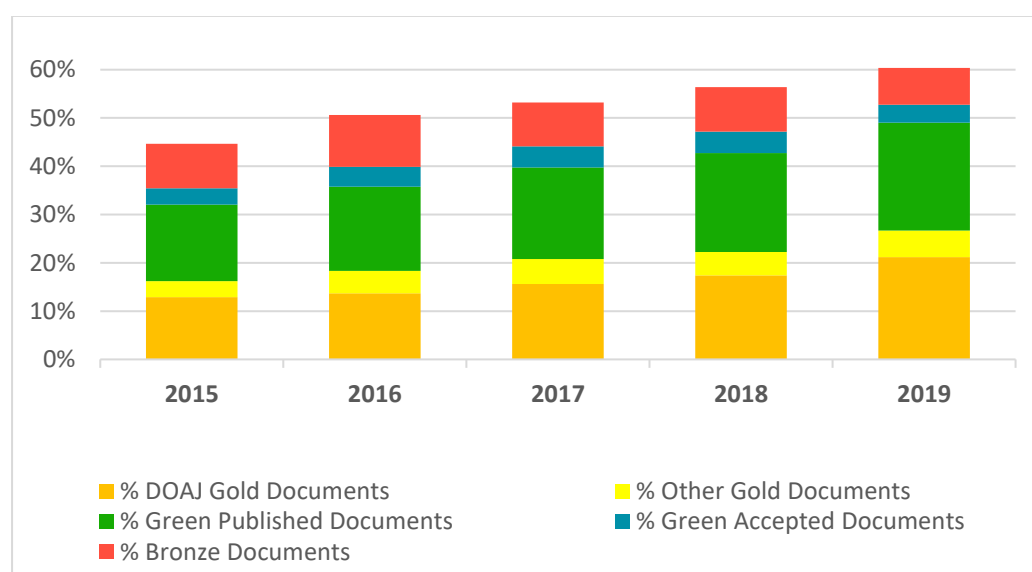
For the time-period 2015-2019, out of all of papers published in Italy (by authors affiliated to an Italian organization), **35.13%** items are available in an Open Access<sup>1</sup> version.

In the graph below we can see the positive evolution in the percentage of Open Access papers published each year at national level in Italy.



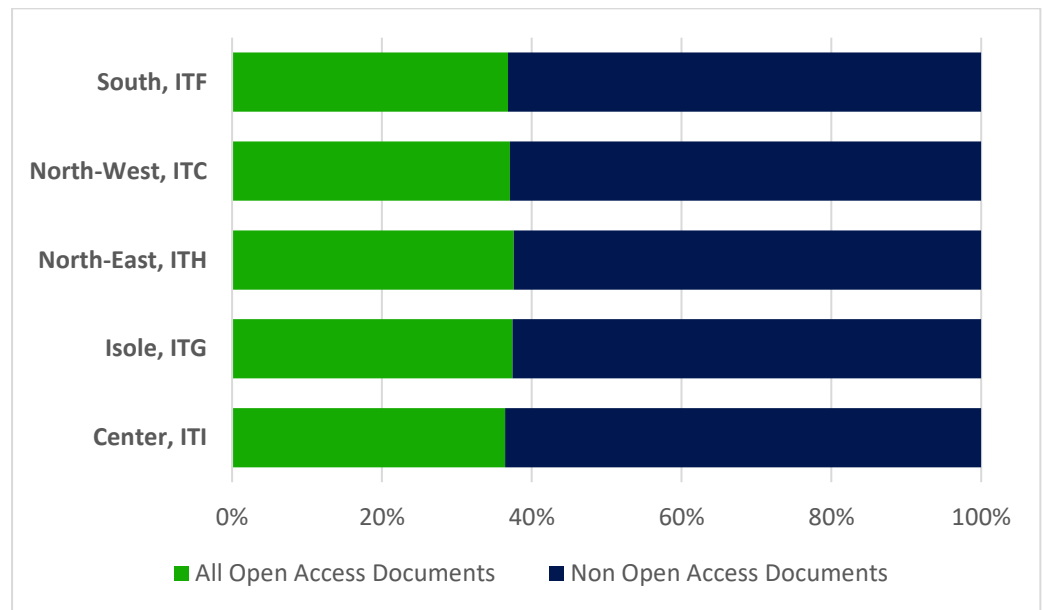
Currently, these **Open Access versions** are available in Web of Science: DOAJ Gold, Other Gold, Bronze, Green Published and Green Accepted.

The following analysis shows the percentage of each Open Access version for the documents published by Italian researchers between 2015-2019.

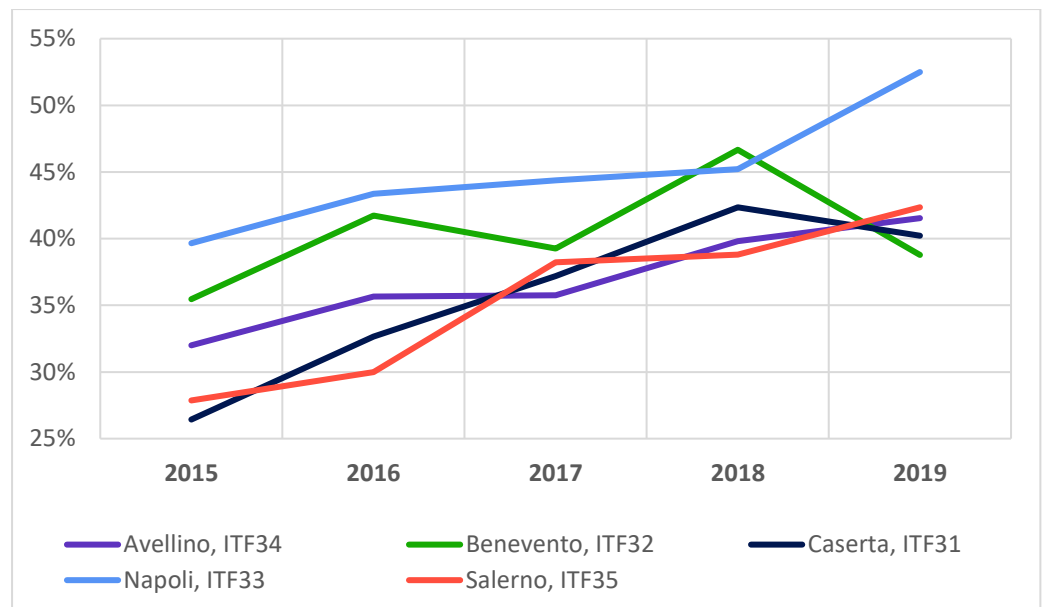


<sup>1</sup> Learn more about Open Access versioning in Web of Science [here](#).

The following graph shows the number of Open Access and non-Open Access papers per each NUTS 1 Italian region. These regions match the NUTS classification<sup>2</sup>.



In this second graph, we look into detail at NUTS 3 regions of **Campania** – Avellino (ITF34), Benevento (ITF32), Caserta (ITF31), Napoli (ITF33) and Salerno (ITF35) – in the field of Life Sciences (GIPP category).



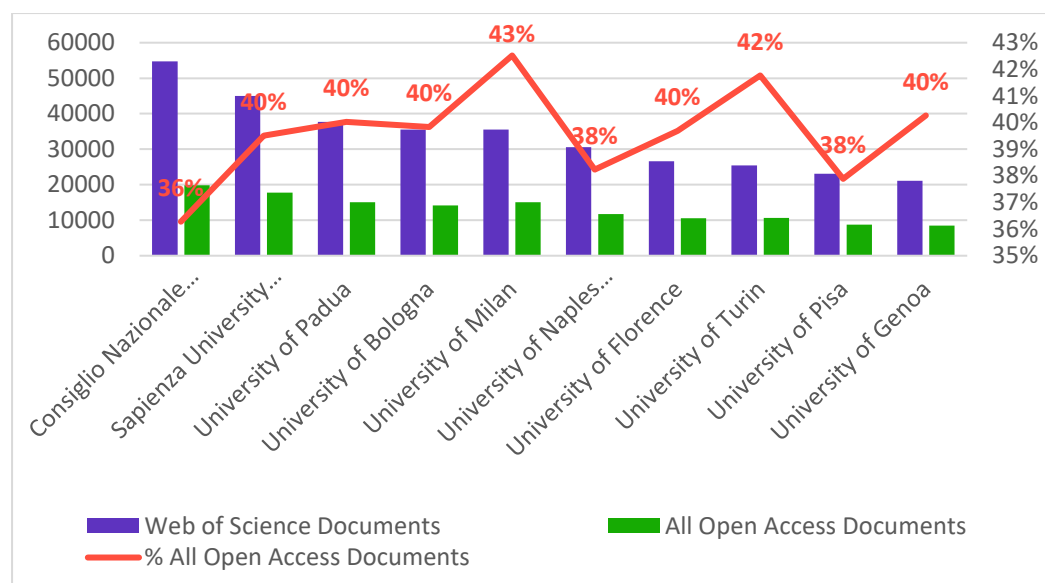
All things considered, Open Access has an increasing impact at all levels in Italy; researchers, organizations, regions, all see an increase in the number of Open Access papers.

<sup>2</sup> <https://ec.europa.eu/eurostat/web/nuts/background>

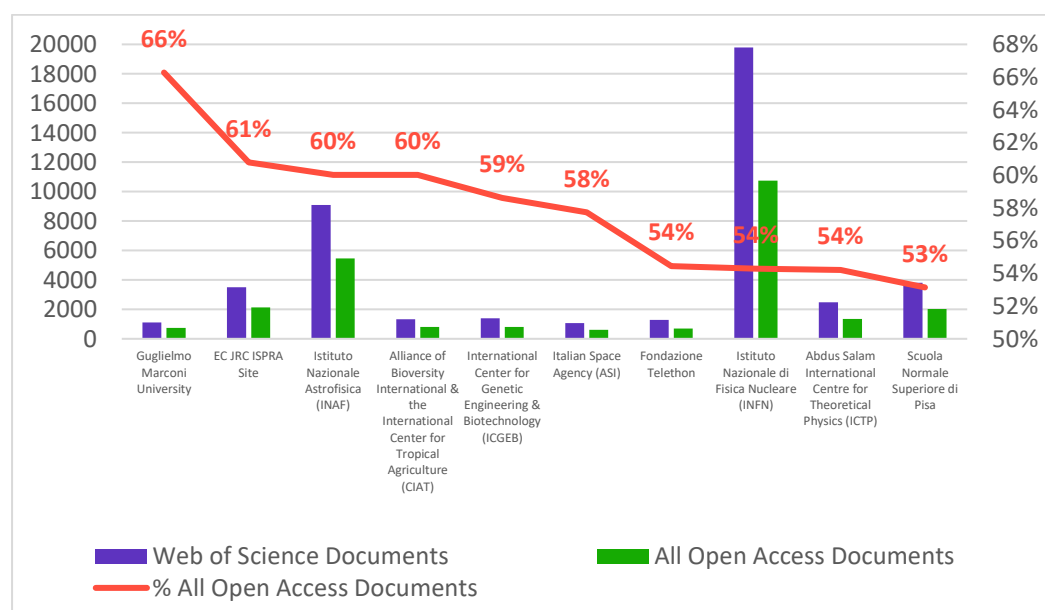
# Assessing an institution's Open Access footprint

Our analytics tools can help institutions answer questions related to how much of an institution's output is Open Access, which are the trends, how much of an institution's output is shared in OA repositories (Green OA), etc.

The following analysis identifies the Open Access footprint of top Italian organizations (by number of papers) based on data for the last five complete years.

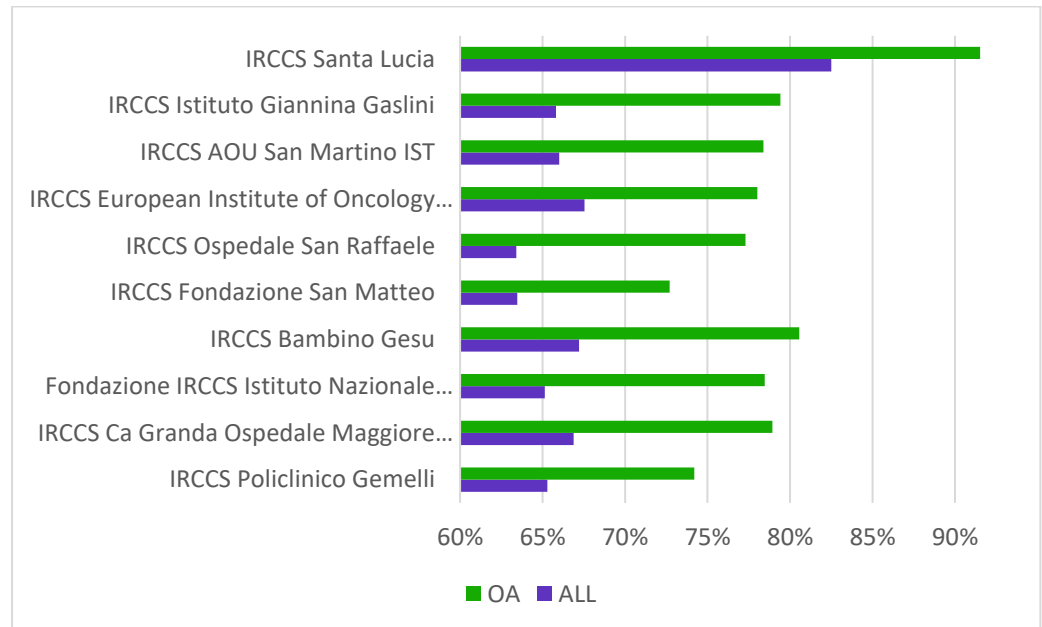


Likewise, the following graph identifies the top performing Italian institutions by the percentage of Open Access papers out of the total number of papers published in the past five years (threshold of min. 1,000 papers).

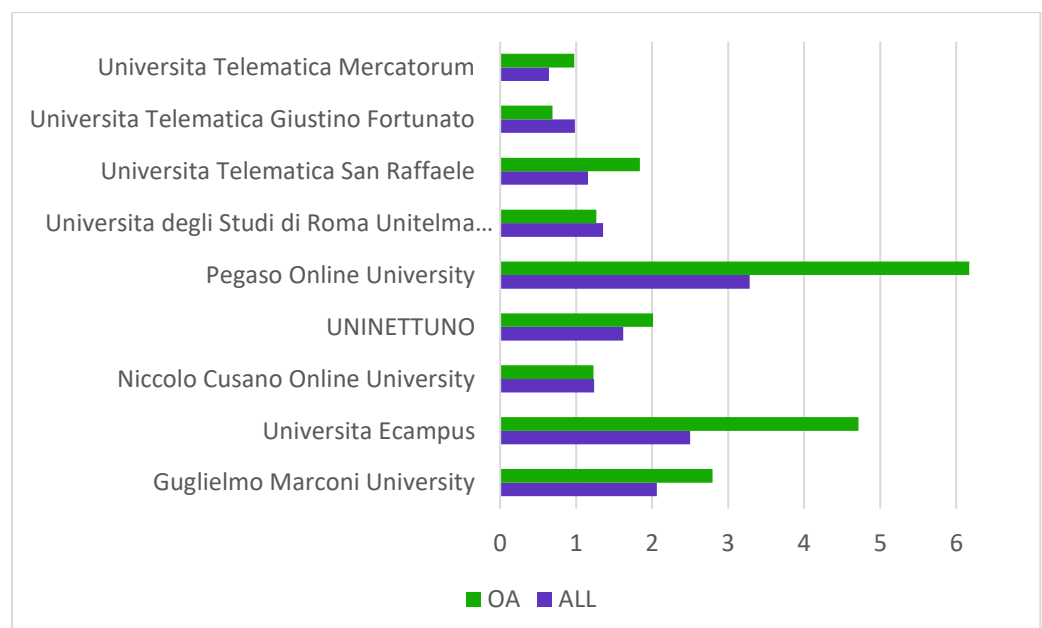


Our tool **InCites Benchmarking & Analytics** offers in-depth analytics capabilities, including **normalized metrics** for meaningful and responsible comparisons.

The following table looks at the top **Italian health research institutes** (by number of papers) and envisages the difference between all papers and OA papers, using the **% Documents Cited** indicator (percentage of publications that have been cited one or more times). OA papers are significantly more cited.



Next, we analyse the **Category Normalized Citation Impact** (citation impact - citations per paper - normalized for subject, year and document type) for papers published by researchers affiliated to an **online Italian university**.



# Library Collection Management

**Web of Science is the definitive resource for trusted Open Access.**

Introduced in December 2017, the new **Open Access links** (*Free Full Text from Publisher, Free Published Article from Repository, or Free Accepted Article from Repository*) now contribute to a significant amount of usage at most institutions.

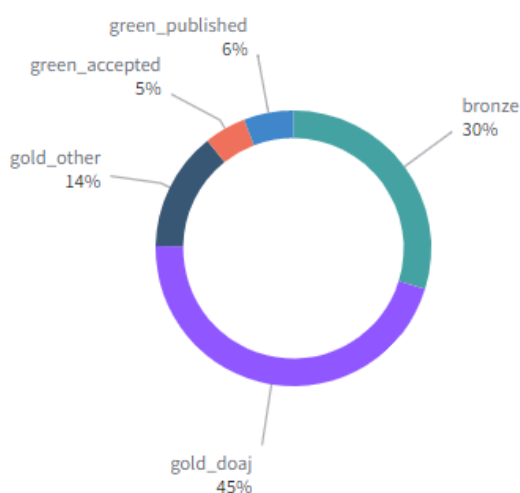
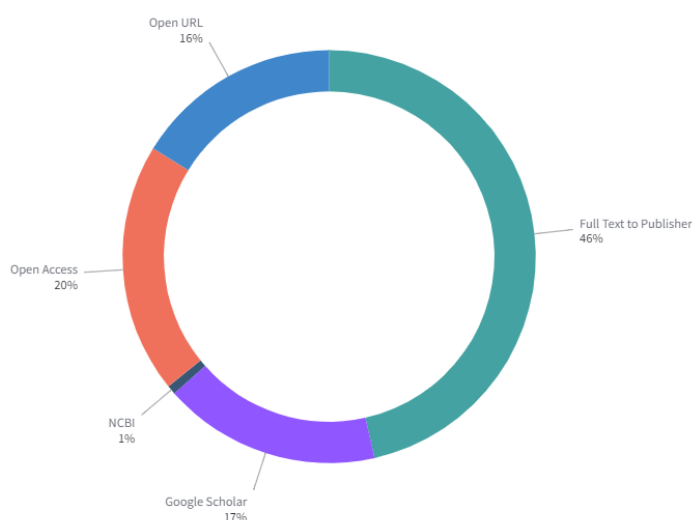
Because some citation databases exclude Green Open Access and others lack stringent selection criteria, Web of Science remains the only publisher-neutral citation database that comprehensively covers editorially controlled and versioned Open Access.

“What is the usage of Open Access content at my institution?”

**Extending the library’s full text budget.** Institutions rely on Web of Science for seamless access to millions of trusted, peer-reviewed green and gold open access articles.

*Example: Universita di Perugia*

- Full text links from Web of Science between October 2019 and September 2020.
- Usage of OA links has increased by almost 16% compared to the previous 12 months.

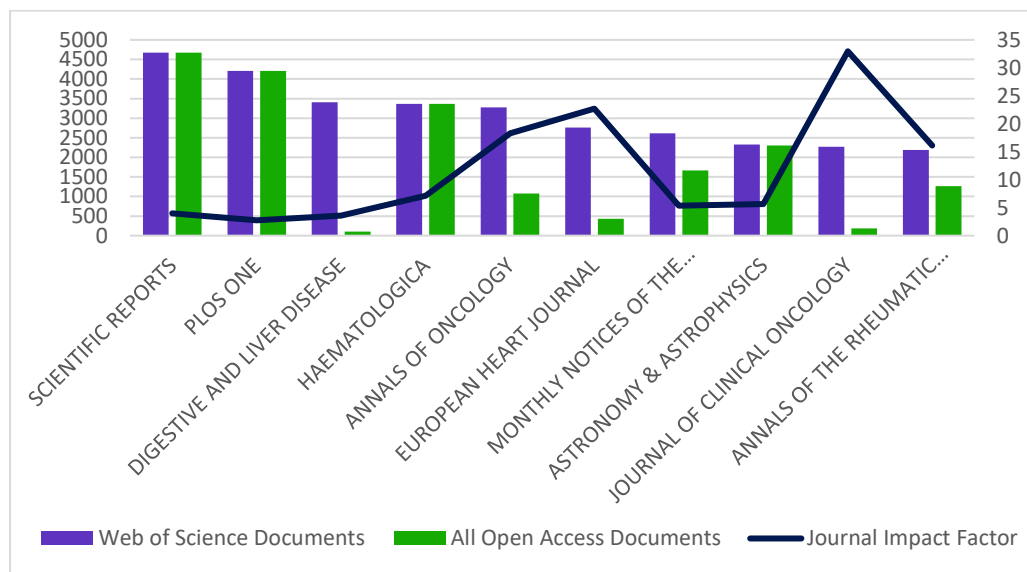


# Open Access Output and publishers

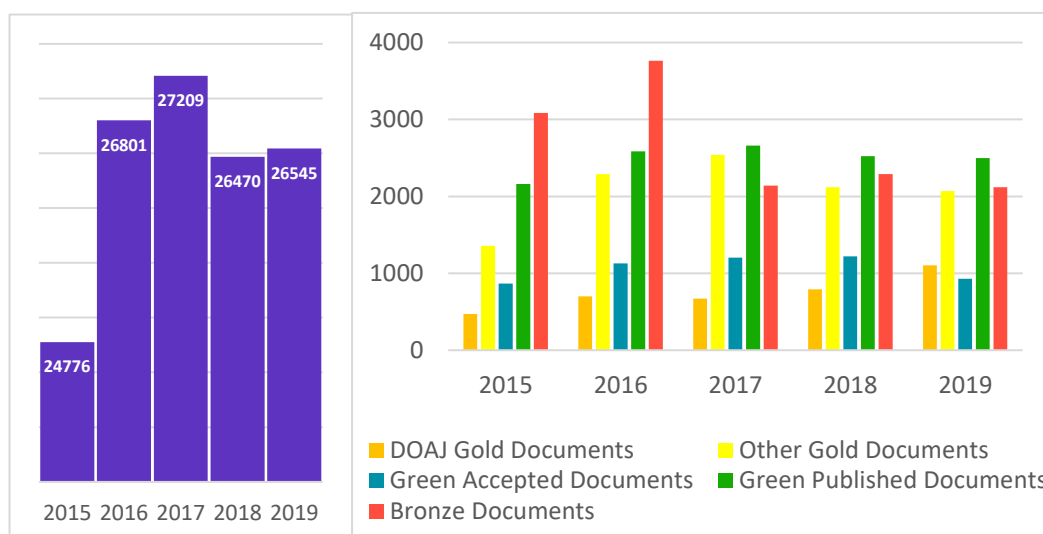
**Our data is editorially selective and publisher neutral.**

Our editorial decisions are conducted by our expert in-house editors who have no affiliations to publishers or research institutes – removing any potential bias or conflict of interest.

The following graph shows the top journals in which authors affiliated to an Italian organization have published the most in the past five years. It also includes information on the number of Open Access papers and the Journal Impact Factor of each journal.



The following graphs show the number of papers published by authors affiliated to an Italian organization in journals of one publisher (unified name<sup>3</sup>), including the number of papers by Open Access version.



<sup>3</sup> **Publisher Unification.** The Publisher filter in InCites now allows to filter Unified publisher names and All, which includes Unified names and the other variants currently existing in the product.



# Open Access and funder mandates

Funding data is available for records indexed in Web of Science Core Collection since August 2008. In November 2016, funding data was supplemented with funding information from Medline and researchfish.

InCites allows funders, analysts, researchers, and publishers to analyze the impact of research that has been funded, published or both funded and published by agencies by leveraging unified funding acknowledgment data from the Web of Science.

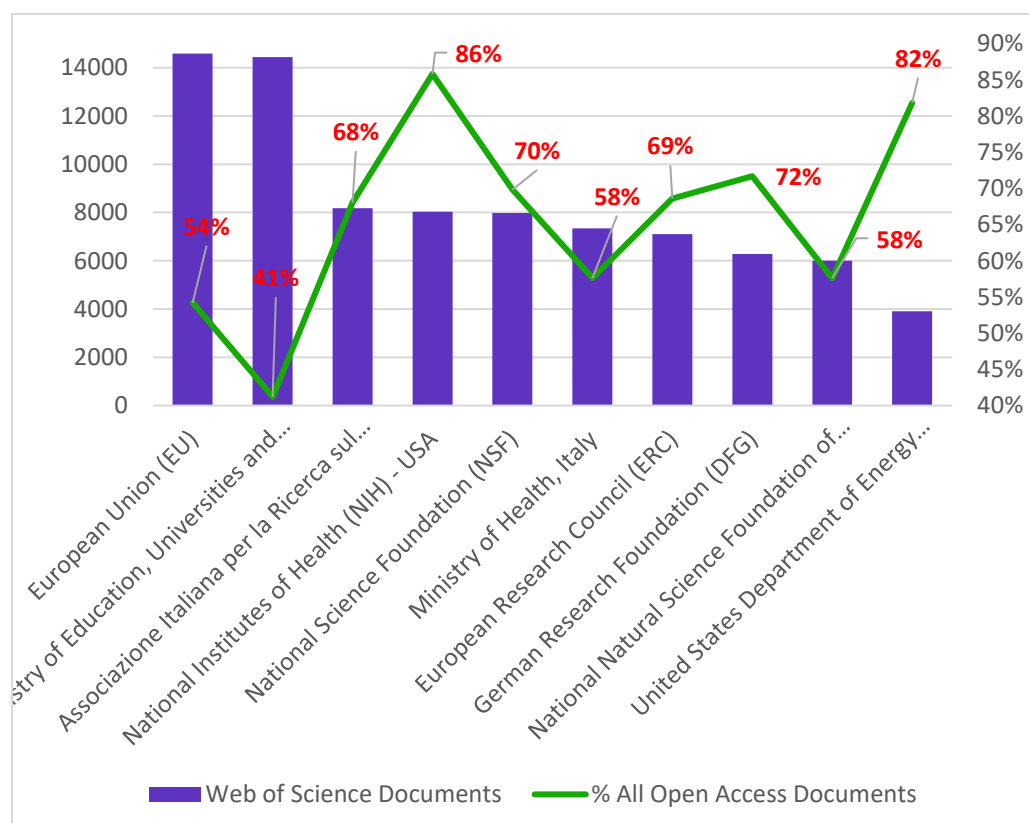
Funding agencies, including research producing organizations like universities, must demonstrate quality decisions in their domain:

- are they funding the right people?
- are they making a difference?

The Funding Agencies Explorer in InCites can help justify these decisions by measuring citation impact of funded works, so funding agencies can benchmark themselves to peers and quantify their impact within the scientific community and beyond.

Our data provides increased transparency by helping funders track and measure the impact of the open access content they fund.

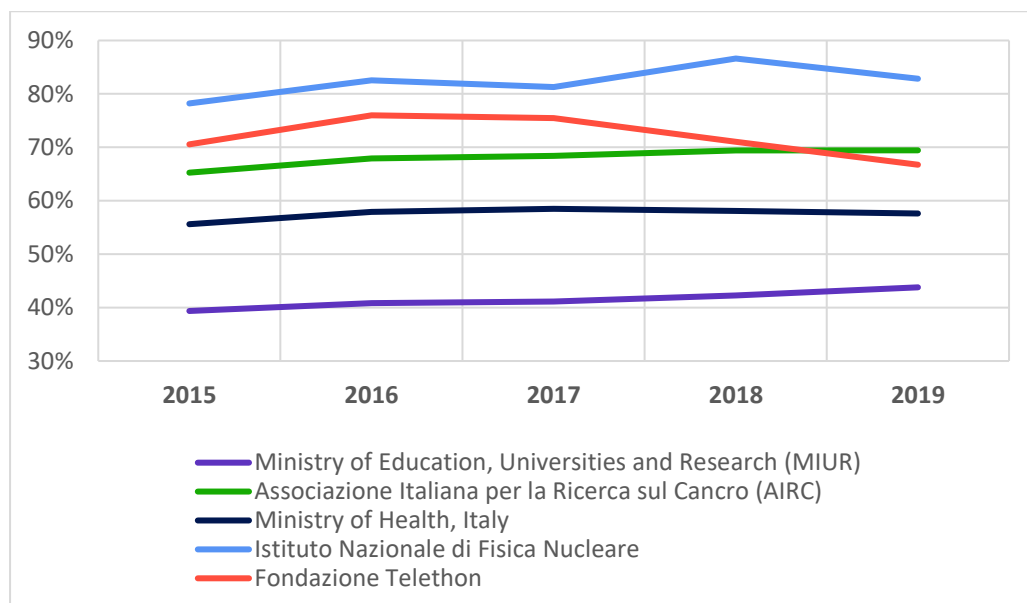
The following graph shows the main funding agencies - by number of papers - acknowledged on papers published by Italian researchers (affiliated to an Italian organization) in the past five years (2015-2019) and the percentage of Open Access papers for these entities.



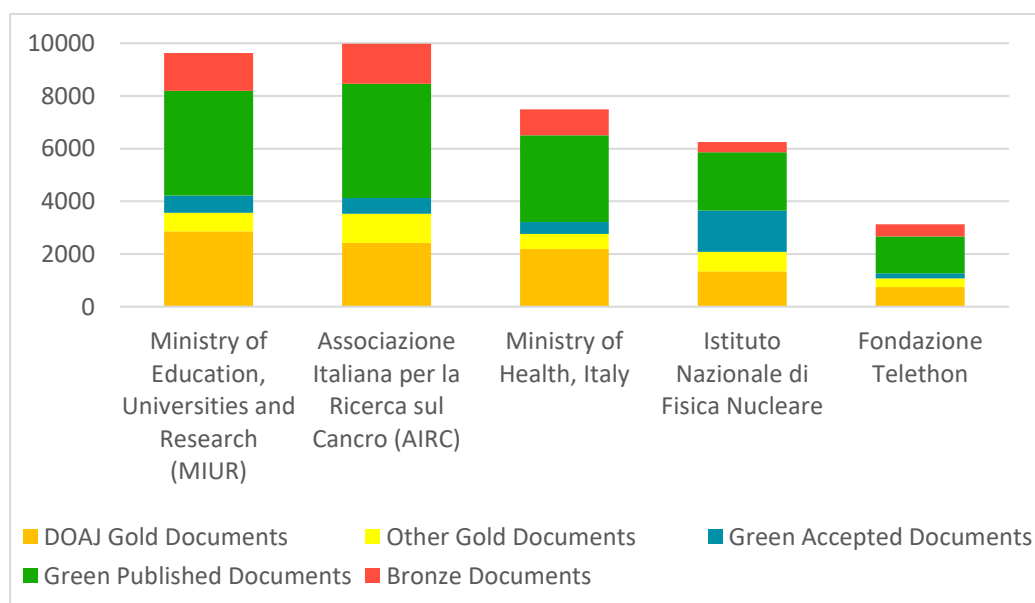
Funding acknowledgements provide information on the sources of financial support for the research presented in a paper. Funding bodies can use our data to:

- Track the research output for any funding body or a specific grant / research program
- Identify the strategic scope of a funding body
- Identify vested interests
- Identify future funding opportunities
- Support an existing grant application by showing related information and evidence of previous performance.

The following analysis look at the top Italian funding agencies by the number of papers identified for the five-year period (2015-2019). The first graph looks at the evolution of the percentage of Open Access papers for the five entities.



In like manner, the graph below shows the versions of the Open Access papers identified for each of the five Italian funding agencies.



# Open Data and the Data Citation Index

Due in large part to government mandates to make research data freely accessible, there are increasing numbers of data repositories being created worldwide and filled with data by researchers. As part of your literature search, data will provide a more comprehensive picture of the research being undertaken in your topic or field.

By itself, the benefits of data are obvious: data can be used by other researchers with different objectives, results can be reproduced more easily and accurately, researchers receive the credit they're due, and data producers have a new channel by which to promote their work.



As of 1st September 2020

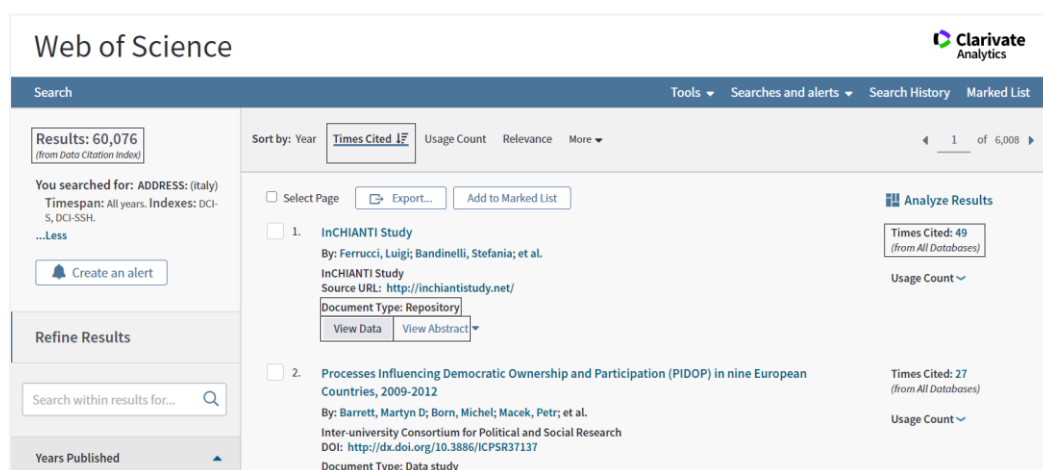
- ✓ Data from 419 repositories
- ✓ 9,924,069 datasets
- ✓ 1,224,576 data studies
- ✓ 158,430 software

The **Data Citation Index™** provides a single point of access to quality research data from global repositories across disciplines. Descriptive records are created for data objects and linked to literature articles in the Web of Science.

As data citation practices increase, the Data Citation Index aims to provide a clearer picture of the full impact of research output, as well as to act as a significant tool for data attribution and discovery.

Key Features of Data Citation Index on Web of Science:

- **Simple search.** Search directly across millions of records from hundreds of evaluated data repositories in the sciences, social sciences, and humanities.
- **Linked data.** Each Data Citation Index record links directly to the repository so that users can quickly access the associated research data.
- **Tracked and indexed.** Citations to data sets and studies are indexed so that you can measure their impact and track their influence.
- **Recognise and filter.** 'Associated Data' icons   **Associated Data (60)** in Web of Science Core Collection clearly indicate which records have associated data sets attached to them, while an easy to use filter lets you quickly focus a search to discover which records are linked to research data.



Web of Science

Clarivate Analytics

Search

Tools ▾ Searches and alerts ▾ Search History Marked List

Results: 60,076  
(from Data Citation Index)

You searched for: ADDRESS: (Italy)  
Timespan: All years. Indexes: DCI-S, DCI-SSH.  
...Less

Create an alert

Refine Results

Search within results for...

Years Published

Sort by: Year Times Cited **1E** Usage Count Relevance More ▾

1 of 6,008

Select Page Export... Add to Marked List

Analyze Results

1. InCHIANTI Study  
By: Ferrucci, Luigi; Bandinelli, Stefania; et al.  
InCHIANTI Study  
Source URL: <http://inchantistudy.net/>  
Document Type: Repository  
View Data View Abstract

Times Cited: 49  
(from All Databases)  
Usage Count ▾

2. Processes Influencing Democratic Ownership and Participation (PIDOP) in nine European Countries, 2009-2012  
By: Barrett, Martyn D; Born, Michel; Macek, Petr; et al.  
Inter-university Consortium for Political and Social Research  
DOI: <http://dx.doi.org/10.3886/ICPSR37137>  
Document Type: Data study

Times Cited: 27  
(from All Databases)  
Usage Count ▾

*This report analyses the research output of Italian organizations (documents published between 2015-2019), using data and tools from Clarivate' Web of Science and InCites Benchmarking & Analytics. All insights presented are derived from Web of Science Core Collection and InCites Benchmarking & Analytics (InCites dataset updated Sep 28, 2020. Includes Web of Science content indexed through Aug 31, 2020 – including ESCI).*

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