


# L'Open Science in Horizon 2020 e oltre...

*Comunicare la  
scienza in  
H2020:  
Differenze tra  
dissemination  
and  
Communication*

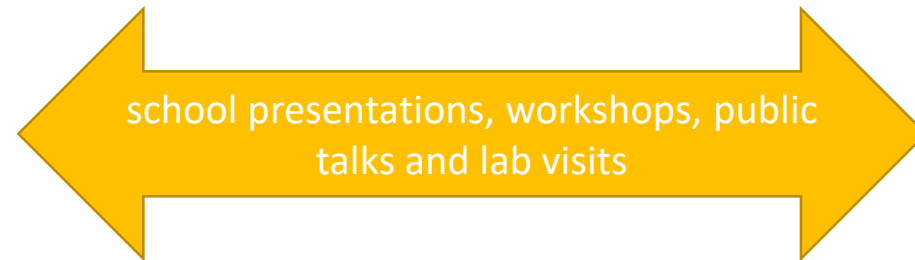
- 
- Dissemination
  - Communication
  - Exploitation

# Differenze tra Disseminazione e comunicazione

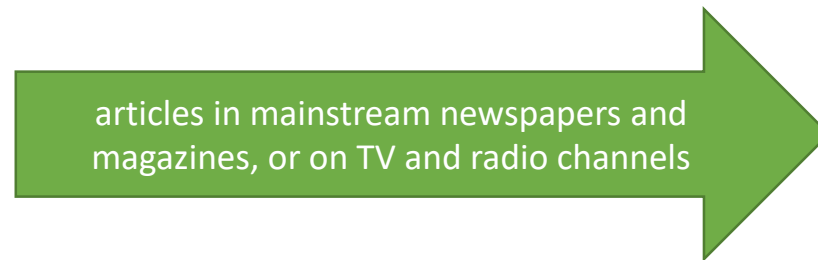
→ Disseminazione	→ Comunicazione (Outreach)
Collegato solo ai risultati	Collegato ai risultati e al progetto
Audience che può usare il risultato	Audience multiplo
Target con un alto grado di alfabetizzazione scientifica	Target con conoscenza differente
Favorire lo sfruttamento dei risultati	Aumentare la visibilità del progetto e dei suoi risultati
Inizia con la produzione dei primi risultati	Parte sin da subito
<b>G.A. art 29</b>	<b>G.A. art 38.1</b>

# Communication and Outreach

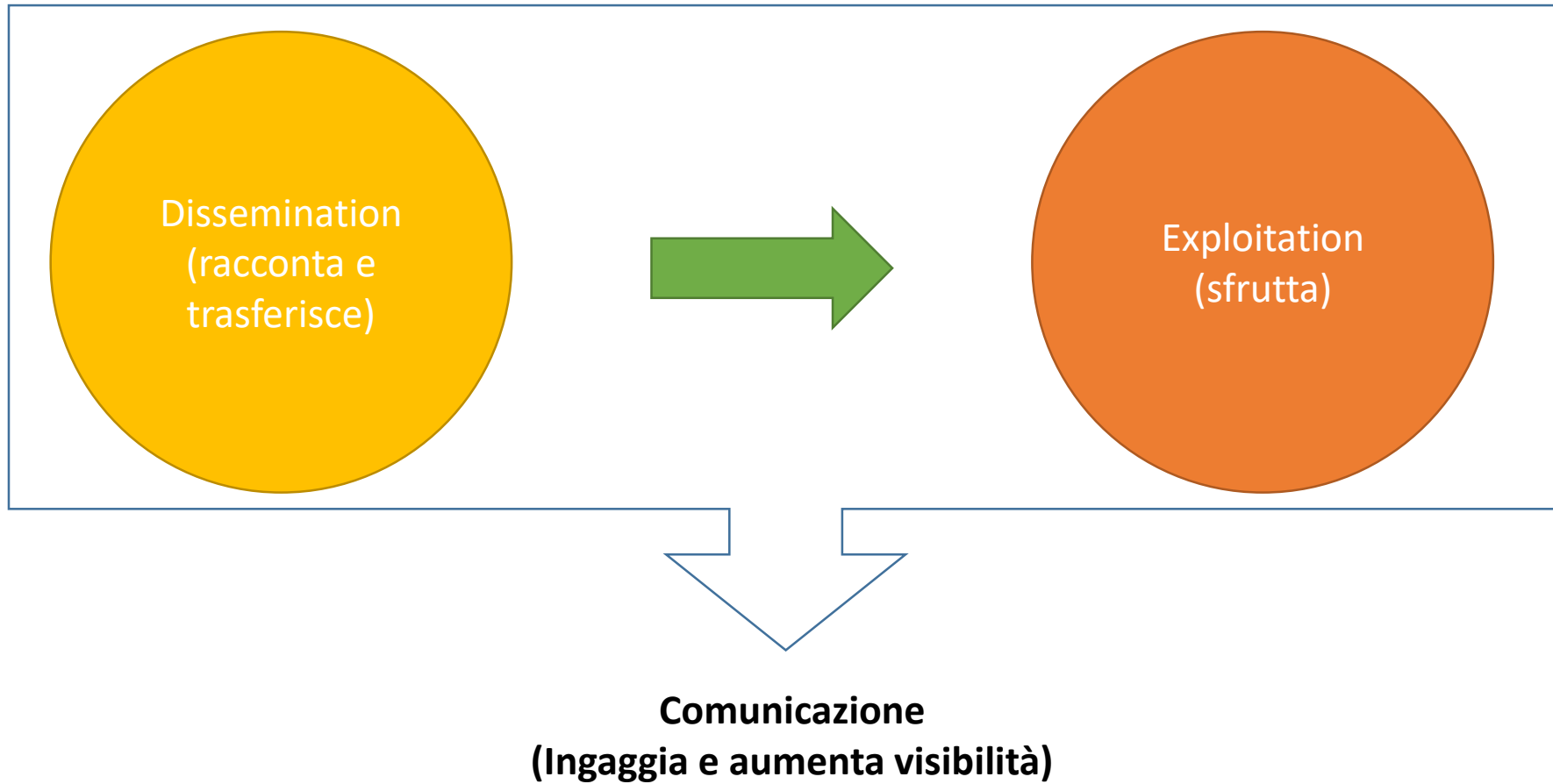
- **Outreach** implies an interaction between the sender and the receiver of the message, there is an engagement and a two-way communication between the researcher and the public



- **Communication**, on the other hand, only goes in one direction from the sender to the receiver.



# Tutto insieme

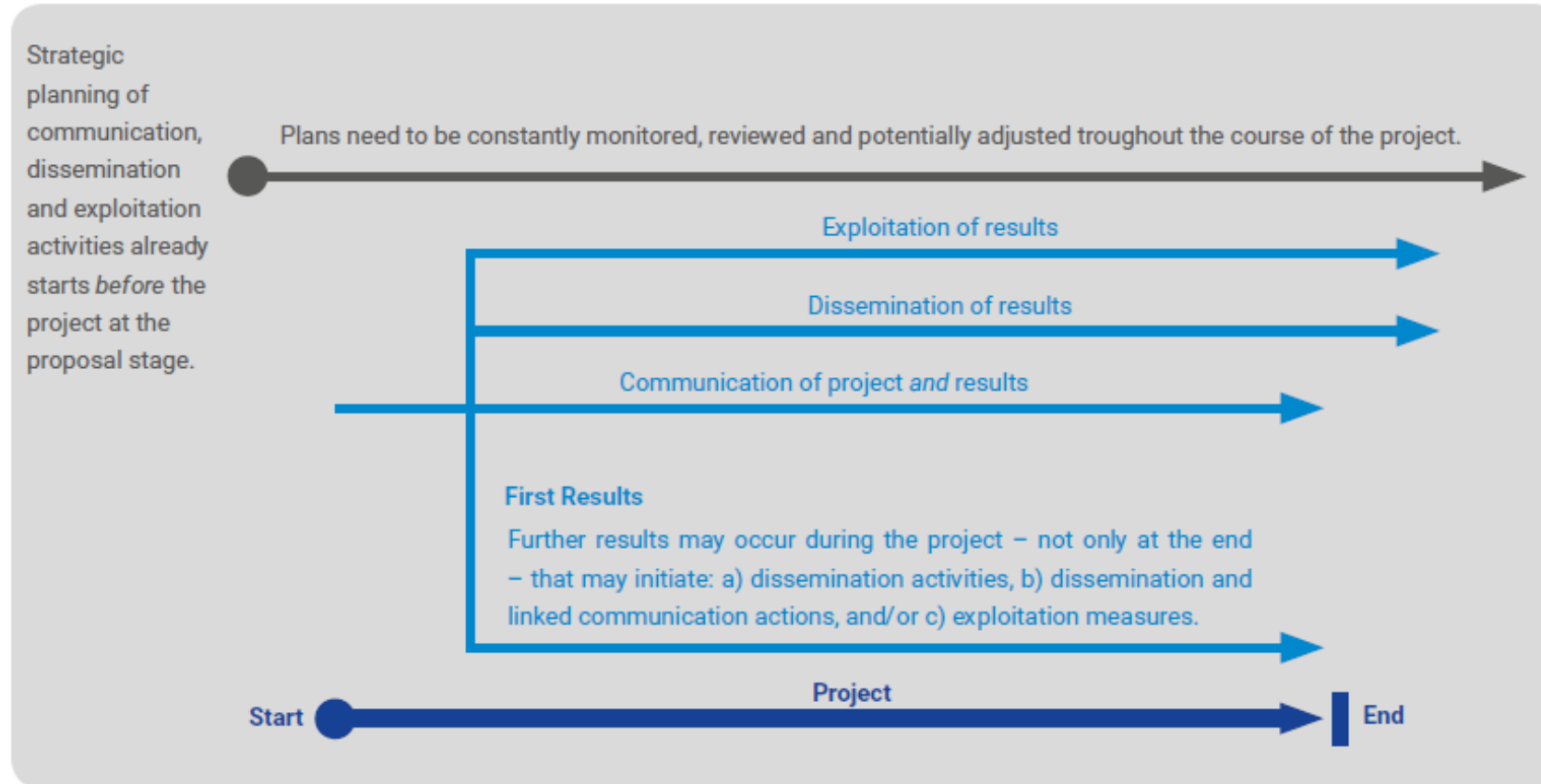


Communication	Dissemination
About the <b>project</b> and <b>results</b>	About <b>results only</b>
<b>Multiple audiences</b> <i>Beyond the project's own community (include the media and the public)</i>	<b>Audiences that may use the results</b> in their own work <i>e.g. peers (scientific or the project's own community), industry and other commercial actors, professional organisations, policymakers</i>
<b>Inform and reach out to society</b> , show the benefits of research	<b>Enable use and uptake of results</b>
Grant Agreement art. <b>38.1</b>	Grant Agreement art. <b>29</b>



Source: [http://ec.europa.eu/research/participants/data/ref/h2020/other/events/2017-03-01/8\\_result-dissemination-exploitation.pdf](http://ec.europa.eu/research/participants/data/ref/h2020/other/events/2017-03-01/8_result-dissemination-exploitation.pdf)

# Disseminazione, Comunicazione e sfruttamento nel life-cycle del progetto







*Open Access: le  
due vie*

# Open Access per la EU

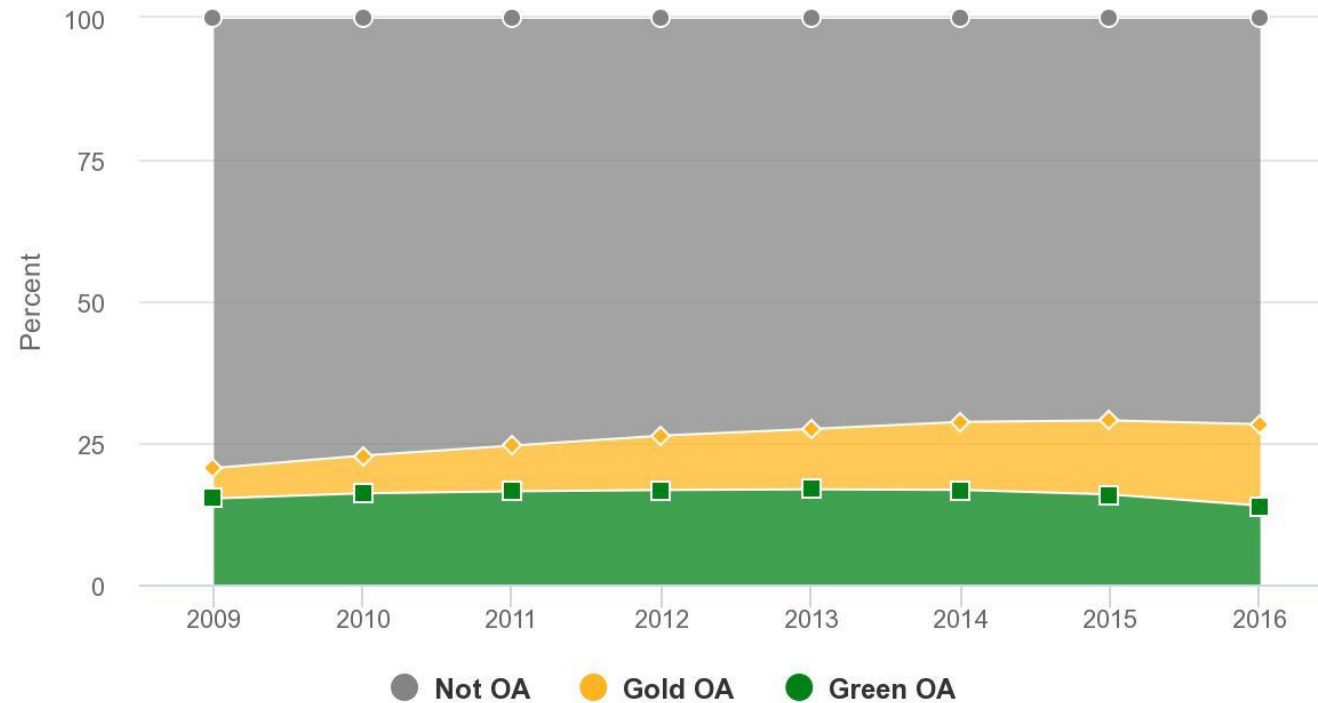
Le **politiche di accesso aperto** sono volte ad assicurare ai ricercatori e alla popolazione in generale **l'accesso gratuito a pubblicazioni scientifiche oggetto di valutazioni inter pares, dati di ricerca e altri risultati della ricerca** in maniera trasparente e non discriminatoria quanto prima possibile nel processo di diffusione, nonché a consentire l'utilizzo e il riutilizzo dei risultati della ricerca scientifica.

*RACCOMANDAZIONE (UE) 2018/790 DELLA COMMISSIONE del 25 aprile 2018 sull'accesso all'informazione scientifica e sulla sua conservazione*

# Scenario

Percentage of open access publications (gold and green) by year on total

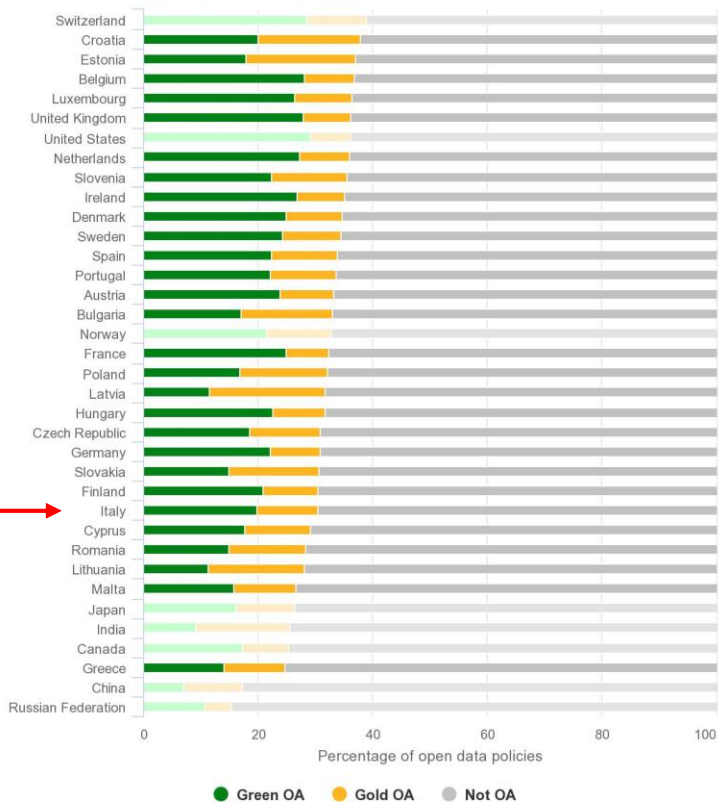
Source: Consortium's own analysis of Scopus database



# Scenario

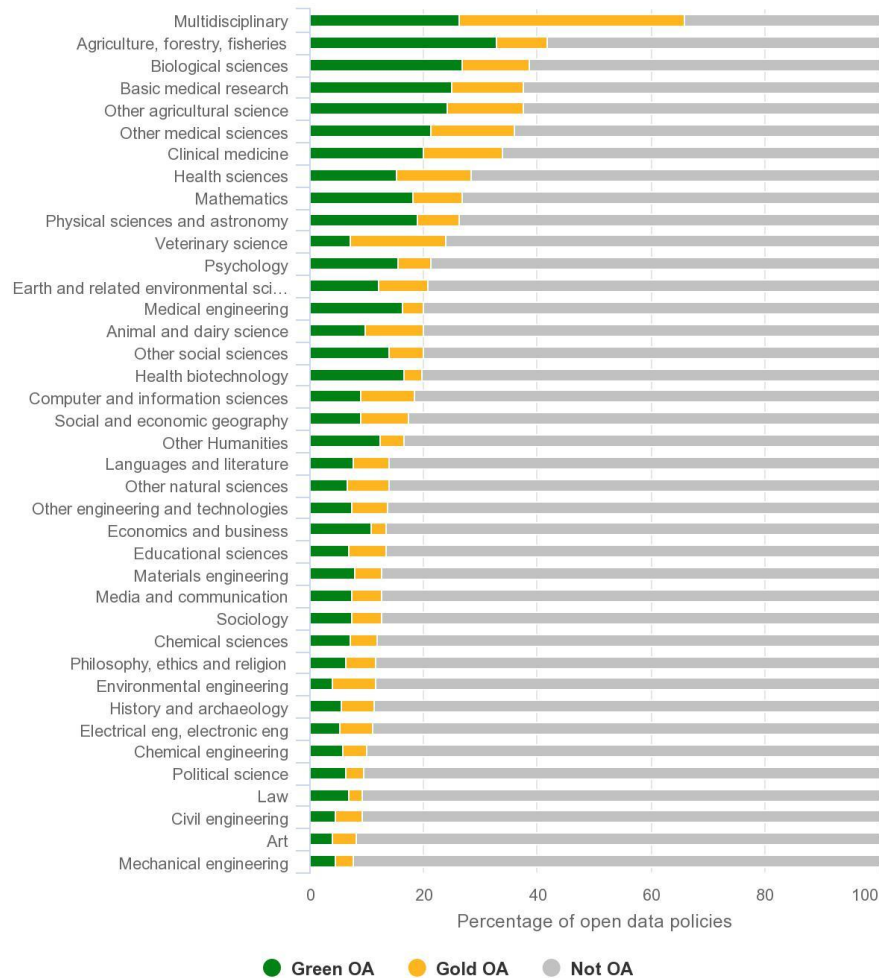
Percentage of open access publications (gold and green) by country

Source: Consortium's own analysis of Scopus database - Reference date: April 30th 2018



Percentage of open access publications (gold and green) by FOS (fields of science and technology)

Source: Consortium's own analysis of Scopus database - Reference date: 2009-2016



Più nel dettaglio:

**+OA:** Astronomia e astrofisica; fertilità, medicina tropicale e embriologia.

**-OA:** Farmacia, chimica inorganica e nucleare, ingegneria chimica.

Piowar et al. (2018), The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. PeerJ 6:e4375; DOI 10.7717/peerj.4375

# Open Access nel Grant Agreement

## 29.2 Open access to scientific publications

Each beneficiary must ensure open access (free of charge, online access for any user) to all peer-reviewed scientific publications relating to its results. [...]

## 29.3 Open access to research data

Regarding the digital research data generated in the action ('data'), the beneficiaries must:

- (a) deposit in a research data repository and take measures to make it possible for third parties to access, mine, exploit, reproduce and disseminate
- (b) provide information — via the repository — about tools and instruments at the disposal of the beneficiaries and necessary for validating the results

# Definizione di scientific publication

The dominant type of **scientific publication** is the **journal article**

**Research data:** data underlying publications and/or other data (such as curated but unpublished datasets or raw data)

Grant beneficiaries are also strongly encouraged to provide open access to other types of scientific publications including:

- monographs
- books
- conference proceedings
- grey literature (informally published written material not controlled by scientific publishers, e.g. reports).

# Open Access manuale d'uso

1

## Depositing publications in repositories

#machine-readable electronic copy #preservations #repository #post-print

Green Road

#self-archiving #embargo

Gold Road

#cost

2

3

## Providing open access to publications.

(GOLD) immediately, if the publication itself is published 'open access' (i.e. if an electronic version is also available free of charge to the reader via the publisher) or (GREEN) within at most 6 months (12 months for publications in the social sciences and humanities).

SHERPA  
ROMEO

Not an obligation to publish - Not at odds with patenting - OA publications go the same peer review process

## Recent uploads

February 18, 2019 (v1.0.1)

Software

Open Access

View

### QSOFit: General-purpose IDL code for quasar spectral fits

 Shen, Yue

This is the IDL version of QSOFIT. You need to have IDLUTILS installed (<http://www.sdss3.org/dr8/software/idlutils.php>). If you wish to use the SFD dust maps for Galactic reddening correction, you need to download them separately. A python version (similar but not identical) is at Guo et al....

Uploaded on February 18, 2019

*1 more version(s) exist for this record*

February 18, 2019 (v2.0)

Dataset

Open Access

View

### Supporting data and code for: Longitudinal Study on Shiga Toxin-producing Escherichia coli and Campylobacter jejuni on Finnish Dairy Farms and in Raw Milk

 Jaakkonen

Supporting data and code for the article: "Longitudinal Study on Shiga Toxin-producing Escherichia coli and Campylobacter jejuni on Finnish Dairy Farms and in Raw Milk".

Uploaded on February 18, 2019

*1 more version(s) exist for this record*

February 18, 2019 (v1)

Dataset

Open Access

View

### MAPNET Population Genomics Workshop Content: Whole genome sequencing of *Bactericera cockerelli*

11/03/2019

 Frampton, Rebekah;  Dohmen-Vereijssen, Jessica;  Drayton, Gabrielle;  McCallum, John

Zenodo now supports usage statistics!



[Read more](#) about it, in our newest blog post.

### Using GitHub?



Just [Log in](#) with your GitHub account and [click here](#) to start preserving your repositories.

### Zenodo in a nutshell

- **Research. Shared.** — all research outputs from across all fields of research are welcome! Sciences and Humanities, really!
- **Citeable. Discoverable.** — uploads gets a Digital Object Identifier (DOI) to make them easily and uniquely citeable.
- **Communities** — create and curate your own community for a workshop, project, department, journal, into which you can accept or reject uploads. Your own complete digital repository!
- **Funding** — identify grants, integrated in reporting lines for research funded by the European Commission via OpenAIRE.





## PubMed

PubMed comprises more than 29 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

### Using PubMed

[PubMed Quick Start Guide](#)

[Full Text Articles](#)

[PubMed FAQs](#)

[PubMed Tutorials](#)

[New and Noteworthy](#)

### PubMed Tools

[PubMed Mobile](#)

[Single Citation Matcher](#)

[Batch Citation Matcher](#)

[Clinical Queries](#)

[Topic-Specific Queries](#)

### More Resources

[MeSH Database](#)

[Journals in NCBI Databases](#)

[Clinical Trials](#)

[E-Utilities \(API\)](#)

[LinkOut](#)

### Latest Literature

New articles from highly accessed journals

[Circulation \(22\)](#)

[Cochrane Database Syst Rev \(2\)](#)

[Drugs \(1\)](#)

[JAMA \(23\)](#)

[Lancet \(1\)](#)

[N Engl J Med \(6\)](#)

[Nat Genet \(4\)](#)

[Nat Med \(3\)](#)

### Trending Articles

PubMed records with recent increases in activity

[Mechanism of Cross-talk between H2B Ubiquitination and H3 Methylation by Dot1L.](#)  
Cell. 2019.

[Diabetes relief in mice by glucose-sensing insulin-secreting human  \$\alpha\$ -cells.](#)  
Nature. 2019.

[Sleep modulates haematopoiesis and protects against atherosclerosis.](#)  
Nature. 2019.

[A new genomic blueprint of the human gut microbiota.](#)  
Nature. 2019.

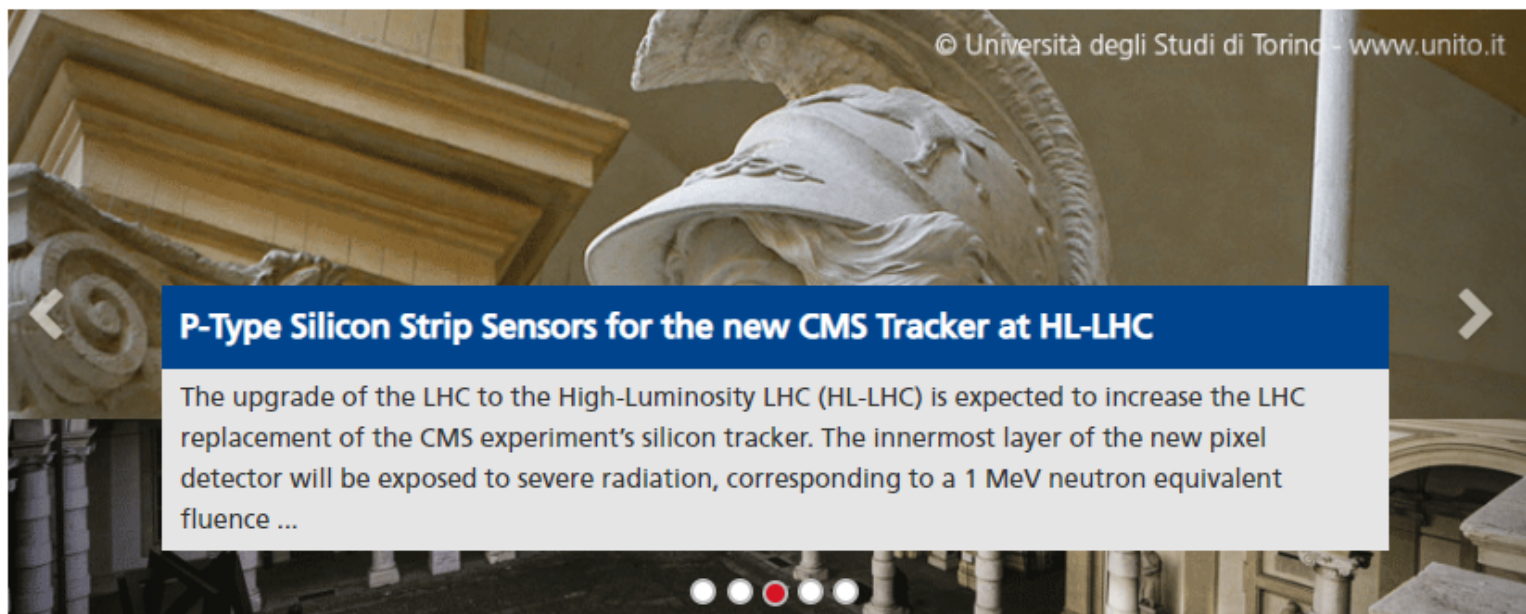
## CINECA IRIS Institutional Research Information System

IRIS è il sistema di gestione integrata dei dati della ricerca (persone, progetti, pubblicazioni, attività) adottato dall'Università degli Studi di Torino.

AperTO è l'archivio istituzionale Open Access destinato a raccogliere, rendere visibile e conservare la produzione scientifica dell'Università degli Studi di Torino.



### Prodotti recenti



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#### P-Type Silicon Strip Sensors for the new CMS Tracker at HL-LHC

The upgrade of the LHC to the High-Luminosity LHC (HL-LHC) is expected to increase the LHC replacement of the CMS experiment's silicon tracker. The innermost layer of the new pixel detector will be exposed to severe radiation, corresponding to a 1 MeV neutron equivalent fluence ...

### Open Access: istruzioni

#### Come depositare

- [Come allegare il file Open Access](#)
- [Tutorial](#)
- [Domande frequenti](#)

#### Politiche di copyright

- [Per articoli, editori internazionali: SHERPA RoMEO](#)
- [Per articoli, editori italiani o non presenti in SHERPA RoMEO](#)
- [Per capitoli e libri, editori nazionali e internazionali](#)
- [Riviste Elsevier \(embargo specifico\)](#)
- [Dubbi sul copyright](#)
- [Versioni ed embargo già calcolato](#)

# Open Data

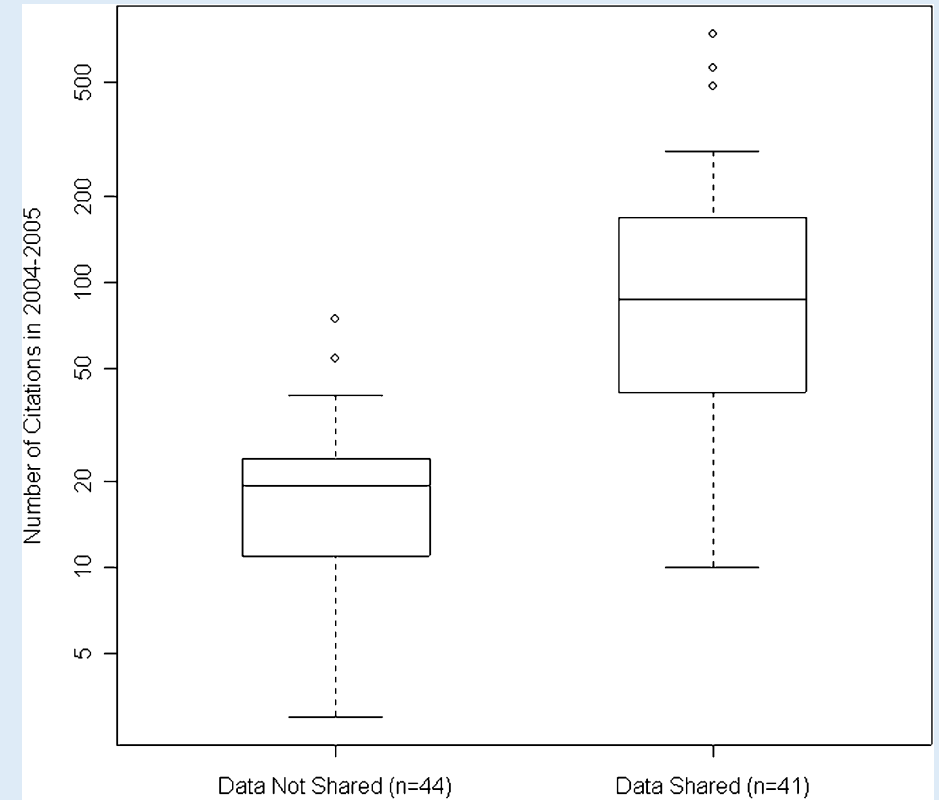
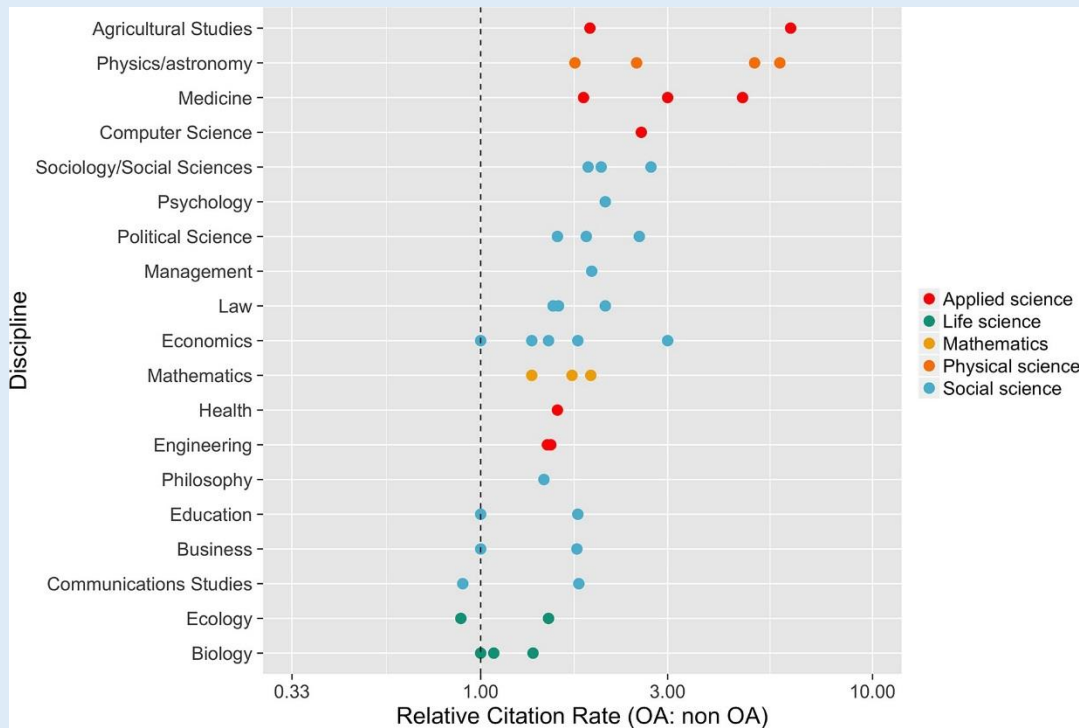
- 1 the '**underlying data**' (the data needed to validate the results presented in scientific publications), including the associated metadata (i.e. metadata describing the research data deposited), as soon as possible
- 2 **any other data** (for instance curated data not directly attributable to a publication, or raw data), including the associated metadata, as specified and within the deadlines laid down in the DMP – that is, according to the individual judgement by each project/grantee

# Alcuni miti da sfatare

- Il costo per OA è troppo alto:
  - Circa il 70% delle riviste OA non ha un costo di pubblicazione
  - Molte riviste OA hanno costi bassi
  - Molte riviste OA hanno esenzioni fiscali
  - Alcune istituzioni hanno membership con riviste OA
  - Alcune istituzioni hanno fondi per l'OA
  - Molti finanziatori coprono i costi per l'OA

# Alcuni miti da sfatare

- Correlazione tra carriera e OA:



# Dark Open Access: Come ottenere il pdf senza abbonamento



unpaywall

ational Journal  
y of Nutritional Science

ercise for weight loss:  
ective study

Perez, M. Trang, H. Mulworth  
DOI: 10.497/isns/498768

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153.097 users on Chrome and Firefox.



*Open Data*

# Open Data: Manuale d'uso

## STEP 1

The project must deposit the research data preferably in a research data repository.

## STEP 2

as far as possible as closed as necessary, projects must then take measures to enable third parties to access, mine, exploit, reproduce and disseminate (free of charge for any user) this research data.

### Data Management Plan D M6

- the handling of research data during & after the end of the project
- what data will be collected, processed and/or generated
- which methodology & standards will be applied
- whether data will be shared/made open access and
- how data will be curated & preserved (including after the end of the project).

### OPT OUT

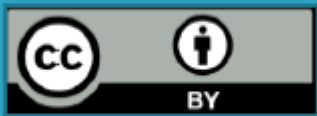
- during the application phase
- during the grant agreement preparation (GAP) phase and
- after the signature of the grant agreement.

**FAIR principles of 'Findability', 'Accessibility', 'Interoperability' and 'Reusability',**

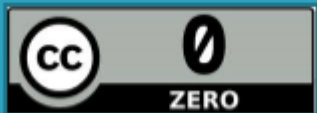


# Dataset licensing

Horizon 2020 guidelines point to:



or



CREATIVE COMMONS LICENSES

		COPY & PUBLISH	ATTRIBUTION REQUIRED	COMMERCIAL USE	MODIFY & ADAPT	CHANGE LICENSE
	PUBLIC DOMAIN	✓	✗	✗	✓	✓
	CC BY	✓	✓	✗	✓	✓
	CC BY-SA	✓	✓	✓	✓	✗
	CC BY-ND	✓	✓	✓	✗	✗
	CC BY-NC	✓	✓	✗	✓	✓
	CC BY-NC-SA	✓	✓	✗	✓	✗
	CC BY-NC-ND	✓	✓	✗	✗	✗

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 This is the standard creative commons license that gives others maximum freedom to do what they want with your work.

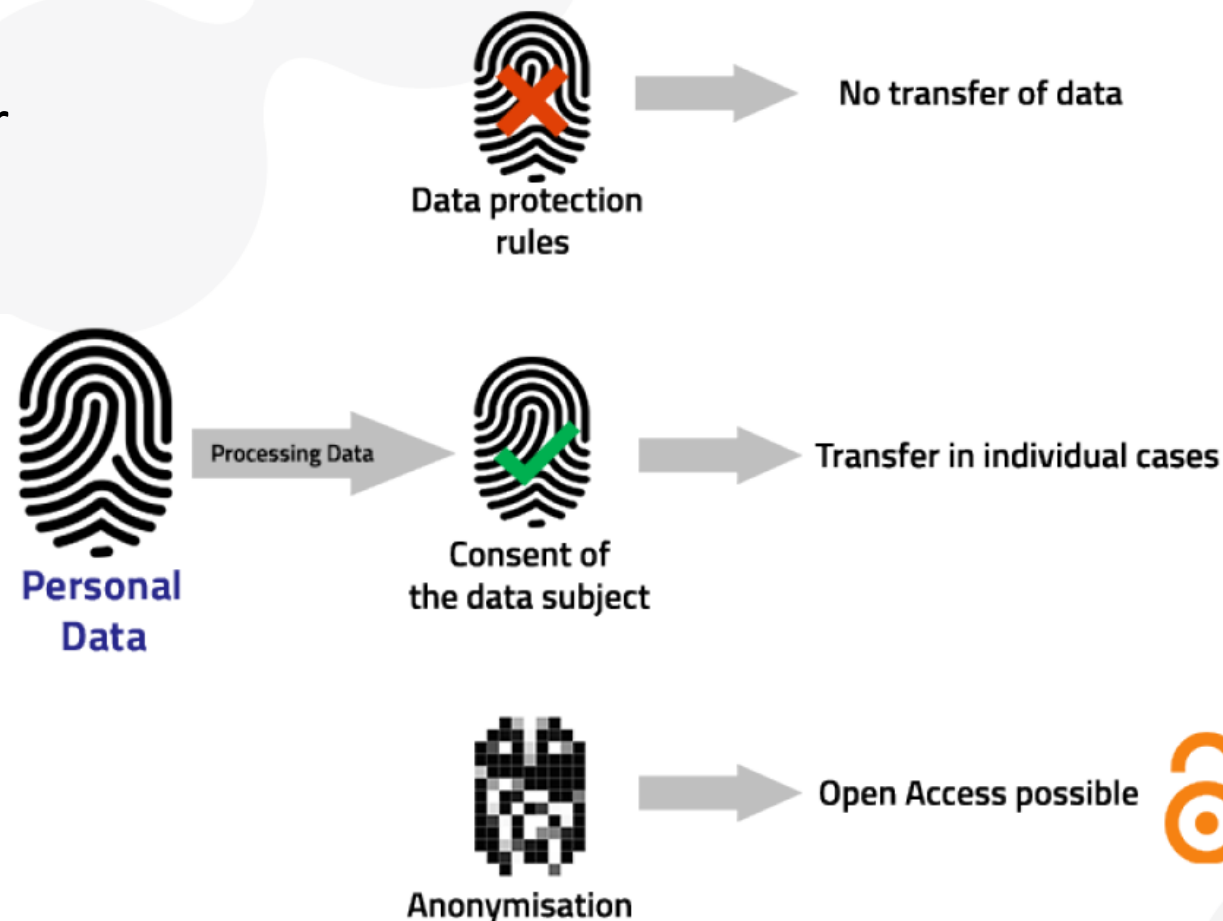
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<https://ufal.github.io/public-license-selector/>

# Personal data and the Open Research Data Pilot

“Personal data” means any information relating to a natural person who is either identified or who could be identifiable by that data

Anonymisation of personal research data is the effective solution to comply with the data protection legislation and the requirements of the Open Research Data Pilot.



# Data Management Plan

Documento del GdL Dati della ricerca – rilasciato 15.05.2017<sup>1</sup>

Griglia per l'elaborazione del piano di gestione dei dati della ricerca

L'elaborato consiste di due parti, la prima più estesa contiene una griglia che illustra in modo dettagliato tutti gli aspetti relativi all'elaborazione di un piano di gestione dei dati e riflette i requisiti richiesti dalla Commissione Europea e dai principali finanziatori della ricerca, la seconda contiene alcune definizioni.

Ciascuna voce relativa al DMP è in inglese, d'altronde i DMP richiesti dai finanziatori internazionali sono prevalentemente in lingua inglese, mentre le spiegazioni sono riportate in italiano. Per ciascuna voce sono stati inclusi i link a risorse informative correnti quando è stato possibile.

Le sezioni della prima parte del documento sono le seguenti:

- Sezione relativa a dettagli amministrativi del progetto
- Sezione relativa alla descrizione dei dataset
- Sezione relativa agli standard e ai metadati
- Sezione relativa alla sicurezza e alla confidenzialità dei dati
- Sezione relativa alla condivisione e all'accesso ai dati
- Sezione relativa al data management, alla documentazione e alla curation dei dati
- Sezione relativa alle responsabilità
- Sezione relativa alle politiche istituzionali sulla condivisione e sicurezza dei dati

<sup>1</sup> Il documento è il secondo degli elaborati del GdL Dati della ricerca, un gruppo di lavoro interuniversitario che si è costituito spontaneamente nel periodo aprile - dicembre 2016. Al gruppo hanno partecipato esperti di Open Access, informatici, bibliotecari, uffici della ricerca afferenti alle seguenti istituzioni: Politecnico di Milano, Università di Milano Statale, Università di Torino, Università di Trento, Università di Venezia Ca' Foscari ricerca). La redazione di questo documento e il coordinamento del sottogruppo sul Data Management Plan sono stati affidati a [Marisol Occhini](#) dell'Università di Venezia Ca' Foscari.

<http://bit.ly/2N8TSXD>

ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA  
AREA SISTEMI DEPARTMENTALI E DOCUMENTALI (ASDD)  
Centro Risorse per la Ricerca Multimediale (CRR-MM)

DATA MANAGEMENT PLAN  
Open Research Data Pilot - Horizon2020

GUIDA ALLA REDAZIONE

MULTIMEDIA CENTER

<http://bit.ly/2CTgITU>

## About DMPonline

Background Latest news

Funding bodies increasingly require their grant-holders to produce a Data Management Plan (DMP), both during the bid-preparation stage and after funding has been secured. DMPonline helps research teams respond to this requirement, and any expectations that their institution or others may apply.

DMPonline is based on the open source DMPRoadmap codebase, which is jointly developed by the Digital Curation Centre (DCC) and the University of California Curation Center (UC3). The DCC & UC3 work closely with research funders and universities to produce a tool that generates active DMPs and caters for the whole lifecycle of a project, from bid-preparation stage through to completion.

### How the tool works

There are a number of templates within the tool that represent the requirements of different funders and institutions. Users are asked three questions at the outset so we can determine the appropriate template to display (e.g. the ESRC template when applying for an ESRC grant). Guidance is provided to help you interpret and answer the questions. This guidance is provided by researcher funders, universities and disciplines.

### Getting Started

If you have an account please sign in and start creating or editing your DMP  
If you do not have a DMPonline account, click on 'Create account' on the homepage.  
Please visit the 'Help' page for guidance.

### Additional Information

We are constantly improving the user interface and functionality of DMPonline. If you would like to contribute with feedback and suggestions, please contact us by emailing [dmponline@dcc.ac.uk](mailto:dmponline@dcc.ac.uk). You can also report bugs and request new features directly on [GitHub](#)

[https://dmponline.dcc.ac.uk/about\\_us](https://dmponline.dcc.ac.uk/about_us)

RDS ands nectar

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## FAIR self-assessment tool

Welcome to the ARDC FAIR Data self-assessment tool. Using this tool you will be able to assess the 'FAIRness' of a dataset and determine how to enhance its FAIRness (where applicable).

This self-assessment tool has been designed predominantly for data librarians and IT staff, but could be used by software engineers developing FAIR Data tools and services, and researchers provided they have assistance from research support staff.

<https://www.ands-nectar-rds.org.au/fair-tool>