





# comunicazione scientifica,

ne global spend



May 13, 2018

The Taylor & Francis journal \_Medical Teacher\_just published a 5-paragraph (1page) comment on another article. doi.org/10.1080/014215...

For 24 hrs of access to the comment, T&F charges \$54. For 30 days of access to the issue in which the comment appears, it charges \$526.

Traduci il Tweet



We spend 1/3 of the total globa research budget (~£59/175bn) c emergpublishing & communicating res

that 99% of people cannot access.

Jon Tennant, Wirner Work of Searchers, 7 Sept 2017



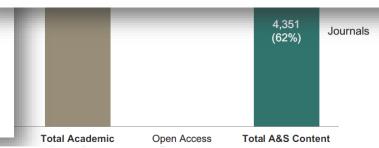
**Following** 

The smartest business model ever. Have all of your products and services performed for free by researchers, and then sell it back to them with an unholy markup. Try describing the model to a non-researcher, and they mock us for falling for it.

https://twitter.com/Protohedgehog/status/98543931889741004

### Steven Salzberg @StevenSalzberg1

Nature and other Springer journals make all of their money from free labor provided by scientists, who write all the papers and do all of the peer review. And now they are cashing in: "Springer Nature aims to raise 1.2 billion euros in new money in IPO" reut.rs/2qqhp93



... paghiamo gli editori commerciali perché mettano sotto chiave il nostro contenuto...

## ... se no, non esisterebbe Sci-Hub



American Chemical Society Wins Lawsuit Against Sci-Hub

Bernard Rentier

Following

The single fact that providing free information on universal Science is illegal tells us a lot about how absurd it has become, in the Internet era, to rely on the old research publication model. #FreeOpenAccessNow

Jon Tennant @ @Protohedgehog

Oh wow. Looks like anyone can now create their own @sci\_hub mirror
github.com/bsidio/sci-hub You can use this to help accelerate research and society by
providing free access to millions of research articles. But it's probably illegal, so don't

Traduci il Tweet

do it.

08:37 - 10 mag 2018

@bernardrentier

March 10, 2018



orint

#### **NOT PEER-REVIEWED**

"PeerJ Preprints" is a venue for early communication or feedback before peer review. Data may be preliminary. Learn more about preprints or browse peer-reviewed articles instead.

Sci-Hub provides access to nearly all scholarly literature

Bioinformatics Legal Issues Science and Medical Edu

findings in more detail. Finally,
Sci-Hub provided access for 99
resource suggests the subscrip
first time, the overwhelming months an Internet connection.

Bianca Gai In realtà è illegale da sempre. Io per es. idealmente appoggio la sua fondatrice ma non apprezzo il comportamento di alcuni ricercatori che prima pubblicano su riviste chiuse e costosissime rinunciando a tutti i diritti di riproduzione e tanto poi usano sci-hub. Siccome gli abbonamenti (milioni di euro in italia) li paghiamo con i soldi pubblici si danneggia molto la collettività. La soluzione x me è l'open access nativo senza passare dai grandi editori.

Looking into Pandora's Box: The Content of Sci-Hub and

Mi piace · Rispondi · 6 g

## [come ottenere il pdf se non avete abbonamento]

### **HOW TO GET THE** PDF?

Alternatives to the publisher version of full-text journal articles

updated: February 20, 2018

### UNPAYWALL

Get full-text of research papers as you browse, using Unpaywall's index of 10 million legal, open access articles. For CHROME | Firefox

http://unparwoll.org/

### **GOOGLE SCHOLAR BUTTON**

Easy access to Google Scholar from any web page. Find full text on the web or in your university library. Select the title of the paper on the page you're reading, and click the Scholar button to find it. for CHROME | Firefox

https://seldons.respilla.org/sirTirefox/addoo/gragle-schelar-button/

### KOPERNIO

Get instant notifications of available versions from your Strary or otherwise. Promising features like a personal Locker, saved articles and more. https://kspersis.com/



### **OPEN ACCESS BUTTON**

Froc. legal research articles and data delivered instantly or automatically requested from authors. You can do this from the website, or install a browser extension/API. https://openacresiduition.org/



### HASHTAG #ICANHAZPDF

Use the hashtag #icanboopdf together with a link to the requested publication; if somebody has access, they can send you the PDF

Mtpc//twitter.com/www.ti/g=%23c.enhapet



### **HOW TO GET THE** PDF?

Alternatives to the publisher version of full-text journal articles

### NARCIS

NARCIS provides access to scientific information, including (open access) publications from the repositories of all the Dutch universities, KNAW, NWO and a number of research institutes, datasets from some data archives as well as descriptions of research projects, researchers and research

### OSF PREPRINTS

OSF offers acces to over 2 million open access preprints.

#### DIRECTORY OF OPEN ACCESS JOURNALS

DOAJ offers access to over 10,000 open access journals

### SCIENCE OPEN

Scionce Open contains over 37 million articles, a large part in open

### SCI-HUB

If all else falls, you may be tempted to use Sci-Hub. Do realize. however, that in many countries, including The Notherlands, the use of Sci-Hub is considered as an illegal act, as it involves content protected by copyright laws and licensing contracts.



News and events What is open access? In the Netherlands Yo

Alternative ways to access journal articles

Feb. 27, 2018



Unpaywall ovviamente funziona SOLO se l'autore ha depositato







# Scientists should be solving problems, not struggling to access journals

It takes an average of 15 clicks for a researcher to find and access a journal article. This time could be much better spent Beniamin Kaube

Mon 21 May 2018 07.30 BST

May 21, 2018



Jennifer Hansen
@HansenJen

Segui

It's ridiculous that research continues to be inaccessible and the community has to plea to share it when a crisis arises. Accessiblity without barrier or restriction should be the norm. I have hope we'll get there, though!

### Robert Kiley @robertkiley

The @wellcome calls for open access on Ebola and encourages its researchers to use the @WellcomeOpenRes platform.

See: researchprofessional.com/0/rr/news/afri...

Traduci il Tweet

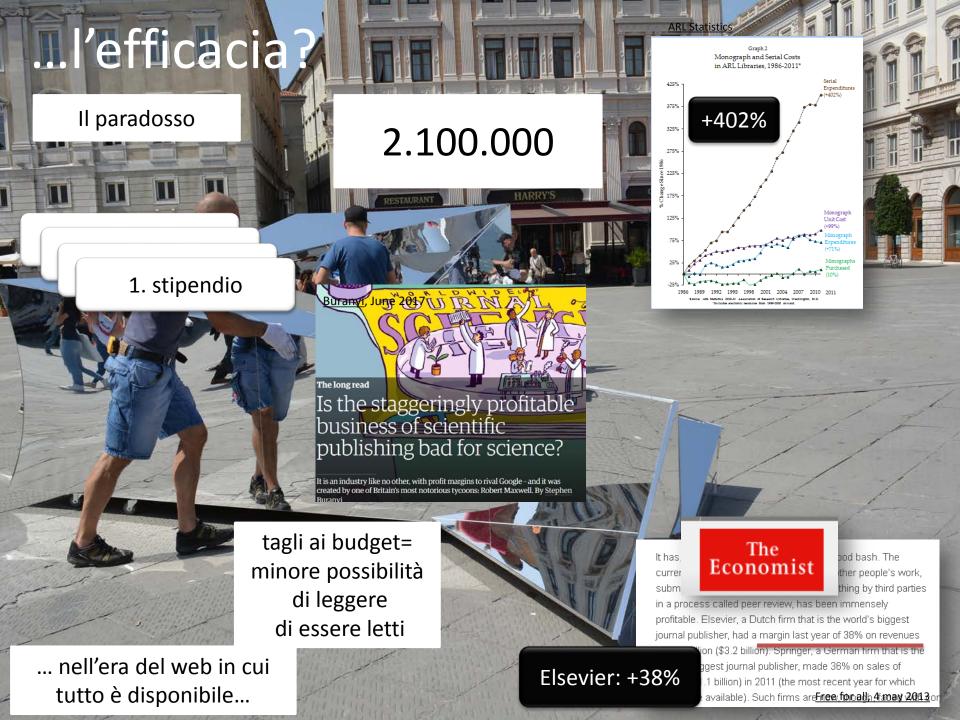
18:12 - 27 mag 2018

2 Retweet 2 Mi piace



https://twitter.com/HansenJen/status/1000771695026700288







Following

The prospectus for the IPO of Springer Nature

proxy.dbagproject.de/mediacenter/re ...

should be compulsory reading for any funder/university/agency representative negotiating with publishers. You can then question whether you should support #SciPost and similar initiatives, or can afford not to.

Traduci il Tweet

12

the

inc

Sp

13:38 - 5 mag 2018

Prospectus dated April 25, 2018

### SPRINGER NATURE

Prospectus

for the public offering

rch, with a High-Quality Brand Portfolio, Global Scale ong Growth in the Open Access Publishing Market.

tant, as market participants increasingly differentiate in to a journal's impact factor. Our open access portfolio ich as Nature Communications, Scientific Reports and positioning us well to command premium APCs from

Springer Prospectus Apr. 25

22 Retweet 28 Mi piace



**PROFESSIONAL SUMMITS** RANKINGS IOBS

perché è un

Linking impact factor to 'open access' charges creates more inequality in academic publishing

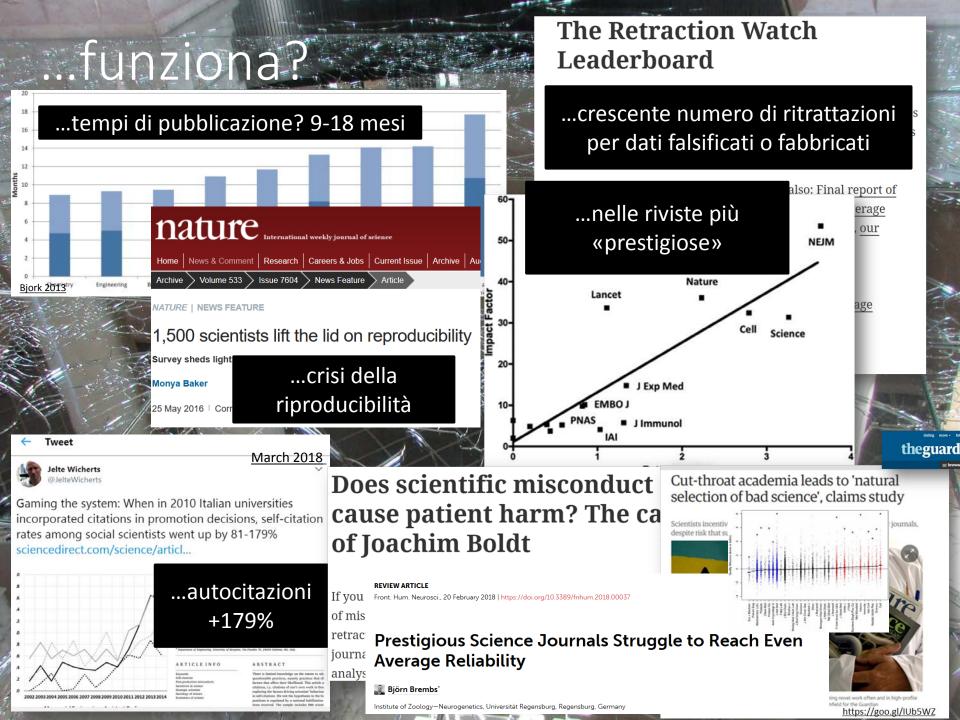
10.2.5 Increasing Share in Revenues from

Springer Nature was one of the

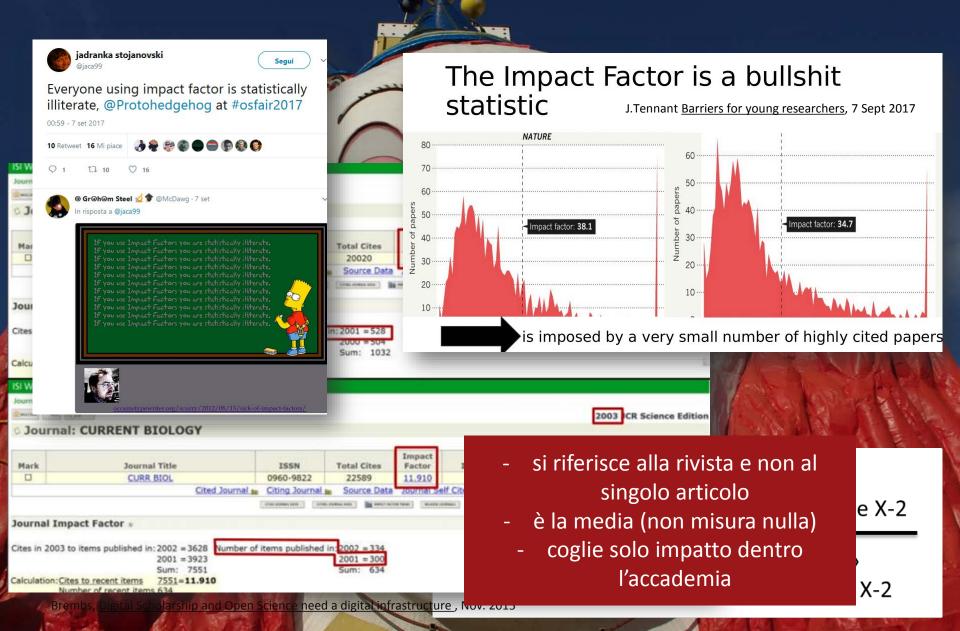
needed to fulfil our obligations. This has seen us stop using journal impact factors in isolation in our marketing (note: a prospectus is a legal

document aimed at potential investors, not a marketing tool for authors or librarians). In fact, for by open access, which provides us addit funded by authors and/or their funders of the relevant research manual manual manual more than 10 years, long before DORA, *Nature* editorials have expressed concerns about the overuse

stemming from APCs are in the short- to medium-term supplementary to the subscription business, no cannibalistic. Some of our journals are among the open access journals with the highest impact factor, providing us with the ability to charge higher APCs for these journals than for journals with average impact factors.



## ... e il prestigio dell'Impact Factor?



## .. e il prestigio dell'Impact Factor? / 2



Times Higher Education, 5 Nov 2015

PROFESSIONAL

RANKINGS

STU





3) Citations (2013)

Times Chosen in Survey
Most Cited

Response Frequency –





of scholarly impact is now being manipulated so much that it has ceased to be mea



nature

Times Chosen in Survey

Most Significant



Shared: Chemists

Least Citations

Citations (2013) Citations (2013) May 14, 2018



### Causes for the Persistence of Impact Factor Mania

Arturo Casadevalla, Ferric C. Fangb

+ Author Affiliations

Address correspondence to Arturo Casadevall, arturo.casadevall@einstein.yu.ed

### **ABSTRACT**

Various me

Numerous essays have addressed the misuse of the journal impact factor for judging the value of science, but the practice continues, primarily as a result of

actions of scientists themselves. This seemin as "impact factor mania." Although the literal little has been written on the underlying caus perspective, we consider the reasons for the and its pernicious effects on science. We con persists because it confers significant benefit Impact factor mania is a variation of the ecor the commons," in which scientists act rationathe detring

Impact Factor >

How can academia kick its addiction to the impact factor?

April 27, 2016 Author: Jon Tennant

☐ 37 comments

The impact factor is academia's worst nightmare. So much has been written about its flaws, both in calculation and application, that there is little point in reiterating the same tired points here (see here by Stephen Curry for a good starting point).

The problem is cyclical if you think about it: publishers use the impact factor to appeal to researchers, researchers use the impact factor to justify their publishing decisions, and funders sit at the top of the triangle facilitating the whole thing. One 'chef' of the Kitchen piped in by saving that publishers recognisms the problem of the impact hard to the problem of the control of the kitchen piped in by saving that publishers recognisms the problem of the impact hard to the control of the kitchen piped in by saving the control of the kitchen piped in by saving the control of the kitchen piped in by saving the control of the kitchen piped in by saving the control of the kitchen piped in by saving the control of the kitchen piped in by saving the kitchen piped i



Let's move beyond the rhetoric: it's time to change how we judge research

Five years ago, the Declaration on Research Assessment was a rallying point. It must now become a tool for fair evaluation, urges Stephen Curry.

https://www.nature.com/articles/d41586-018-01642-w

## ... e la valutazione? «Ossessione»

ROYAL SOCIETY

The future of scholarly scientific communication https://goo.gl/p6VzaS

"Why do we do science? It's not to create careers for scientists. It's to increase knowledge for the benefit of mankind. If the need to sustain the careers of young scientists is getting in the way of the primary objective of science there is something wrong in the way in which we organise and motivate those careers."

POARS ROARS 28 marzo 2018 Peturn On Academic ReSearch

Impact or perish. L'ossessione per l'impatto delle pubblicazioni scientifiche genera frodi e condotte abusive

Goodhart's Law: "when a measure becomes a target, it ceases to be a good measure."

Metrics are subject to manipulation, so we should look carefully not only at the number, but what it is that number purports to measure.

"Not only are we failing to provide the right incentives, we are actually providing perverse ones."

As long as journal impact factors retain some role in the career development, journals should publish the distribution of their citations. The participants strongly supported the adoption of the San Francisco Declaration on Research Assessment (DORA) by publishers, funders and universities. There was a call for open citation data (rather than having to rely on proprietary sources).

"Getting away from this obsession with measurement and going back to judgement might be a way forward."

"People game the system at every level and this risks the loss of valuable research in favour of fashionable research."

## ...un abbraccio mortale



Following

The accomplices are you and me, the researchers who pay to publish, the researchers who evaluate them, the researchers who review their articles graciously for the benefit of the publishers, the researchers who pay to read. All being afflicted with prestigedependency syndrome.

Traduci dalla lingua originale: inglese

10:13 - 18 feb 2018

Realising the European Open Science Cloud

the Commission High Level Expert Group in the European Open Science Cloud



But let's not ignore the facts: the science system is in landslide transition from data-sparse to data-saturated. Meanwhile, scholarly communication, data management methodologies, reward systems and training curricula do not adapt quickly enough if at all to this revolution. Researchers, funders and publishers (I always thought that meant making things public) keep each other hostage in a deadly embrace by continuing to conduct, publish, fund and judge science in the same

way as in the past century.

So far, no-one seems to be able to break this deadlock. Open Access articles are solve only a fraction of the problem. Neither 'open research data' alone will do. W





The best thing about **Internet** is that it's **open**. In every field **it let us** share and innovate.

In science, **OPENNESS IS ESSENTIAL.** 

Open science doesn't mean ignoring economic reality.

Of course we need business models to be sustainable. But that doesn't mean we have to carry on doing things the way they have always been done.

So, wherever you sit in the value chain, whether you're a researcher or an investor or a policy maker, my message is clear: let's invest in collaborative tools that let us progress...

Let's tear down the walls that keep learning sealed off.

And let's make science open.

## «core strategy»...

### Open Science (Open A



Carlos Moedas 🔮



Newsroom

2/4 "Open as possible, as closed as necessary" is the new principle for all #data from publicly funded #research in Europe #openaccess

I shift towards making research findings available free of charge rs, so-called 'Open access', has been a core strategy in the Commission to improve knowledge circulation and thus 1. It is illustrated in particular by the general principle for open scientific publications in Horizon 2020 and the pilot for research

76

MI PIACE



Iryna Kuchma @irynakuchma · 18 nov 2015

**#Openscience** is about making sure that science serves innovation & growth – Günther Oettinger & Carlos Moedas



Wilma van Wezenbeek

@wvanwezenbeek

**Following** 

#osc2018 @BurgelmanJean "2018 is the year of no return in #openscience"

Traduci il Tweet

10:32 - 13 mar 2018

https://twitter.com/wvanwezenbeek/status/973491971288391680

Stiamo spendendo tonnellate di denaro pubblico per gli abbonamenti IMMAGINATE SE POTESSIMO DESTINARE QUESTI MILIARDI ALLA RICERCA, INVECE



n access to scientific publications t become a reality by 2020 – ert-Jan Smits March 23, 2018

### ESEARCH & INNOVATION

en Science

Open Science

cience Cloud

Cloud Open Science Policy Platform

Groups

### **Open Science**

### **European Commission Open Research Publishing Platform**

The Commission proposes to fund a European Commission Open Research Publishing

## Open Science in Europa

- · Rewards and Incentives
- Research Indicators and Next-Generation Metrics
- Future of Scholarly Communication
- European Open Science Cloud
- FAIR Data
- Research Integrity
- Skills and Education
- Citizen Science

Integrated advice of the Open Science Policy Platform on 8 prioritised Open Science ambitions May 29, 2018

Change assessment, evaluation and reward systems in sc

Providing researchers with the skills and competencies they need to practise Open Science

Open Science Skills Working Group Report

Amsterdam Call for Action

Report, Sept.2017



**EUROPEAN** COMMISSION

Politiche nazionali e di ogni ateneo su Open Access e Open Data

COMMISSION RECOM

of 25.4.201

on access to and preservation of

	on open such
2.	Facilitate text and data mining of content
3.	Improve insight into IPR and issues such as privacy
4.	Create transparency on the costs and conditions of academic communication 4
De	eveloping research infrastructures
5.	Introduce FAIR and secure data principles
6.	Set up common e-infrastructures
Fo	stering and creating incentives for open science
7.	Adopt open access principles

Stimulate evidence-based research on innovations in open science. . . . . . . 26 Mainstreaming and further promoting open science policies 10. Develop, implement, monitor and refine open access plans . . . . . . . . . . . . 30 Stimulating and embedding open science in science and society 

12. Encourage stakeholders to share expertise and information on open science 34

**Evaluation of Research** Careers fully acknowledging

Rewards, incentives and/or recognition for researchers practicing Open Science

**Open Science Practices** 

Report on OS and careers, July 2017

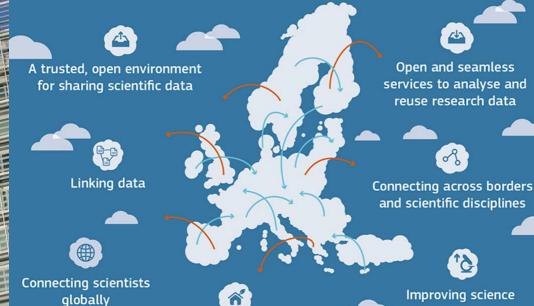
## EOSC – European Open Science



BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES



- necessario cambiamento culturale e formazione
- NESSUNA DISCIPLINA, NESSUNA ISTITUZIONE E NESSUN PAESE DEVE ESSERE LASCIATO INDIETRO
  - 500.000 data stewards



Long term

and sustainable

CLOUD INITIATIVE, WITH ESTIMATED ADDITIONAL PUBLIC AND PRIVATE INVESTMENT OF €4.7 BN REQUIRED TO FURTHER DEVELOP THE EUROPEAN DATA INFRASTRUCTURE.



1bn EU-wide Quantum technologies flagship

**3.5 bn**Data Infrastructure

## EOSC – European Open Science Cloud

F/IIR



EUROPEAN COMMISSION

Starting

2018, Q1

2019, O1

2018, Q4

2018, O1

2018, Q3

2019, Q1

2019, Q1

2018. O2

March 14, 2018

Brussels, 14.3.2018 SWD(2018) 83 final

Develop initial EOSC federating core including the EOSC shared

Develop catalogue of interested and eligible (per Rules of Participation) data infrastructures to be federated into the EOSC

Connect the research infrastructures identified in the ESFRI

Define a European framework for FAIR research

Define a Persistent Unique Identifier policy for F

Develop a FAIR data accreditation /certification:

Develop initial catalogue of services to be provid

EOSC (to be enriched periodically) and define de

COMMISSION STAFF WORKING DOCUMENT

Implementation Roadmap for the European Open Science Cloud

Action line

repositories

Table 2. Overview of the implementation Roadmap

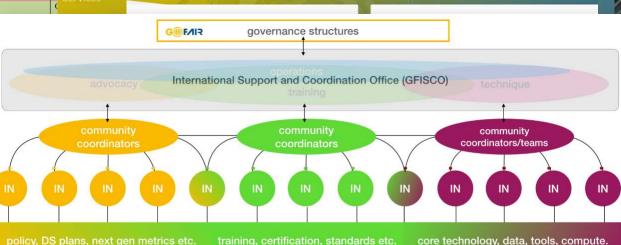
Roadmap to the EOSC

Prepare a FAIR data Action Plan

### GO FAIR: a bottom-up international approach

https://www.go-fair.org/ GO FAIR Initiative Implementation Networks FAIR Principles Technology Training Certif

Context of GO FAIR



### 2018. O2 Develop initial catalogue of datasets accessible v be enriched periodically) 2018, Q1 Set up the EOSC governance framework in const

Prepare legacy for 2<sup>nd</sup> implementation phase (pos 2019, Q1

2018, Q2 Develop Rules of Participation in consultation wi

### **GO CHANGE**

### **GO TRAIN**

- Education/training
- Certification

### GO BUILD

- Technical implementation
- FAIR data & services
- Technical infrastructure

## Open Science

Open Definition

"Open data and content can be freely used, modified, and shared by anyone for any purpose"

http://opendefinition.org/

A new approach to the research process



Shifting focus from "publishing as fast as possible" to "sharing knowledge as early as possible"

Burgelman, Venice Nov 2016

Open Science



Open Science Depends on Open Minds



Neelie Kroes







the end." - @biocrusoe #openscience





## Open Science



### **Jeff Rouder**

@JeffRouder

Segui

What is Open Science? It is endeavoring to preserve the rights of others to reach independent conclusions about your data and work.

Traduci il Tweet

21:47 - 5 dic 2017

Open Science

Open Outputs + Open Infrastructure

X Culture (change)

Access, reuse & discoverability

Evaluation & Researcher behaviour

C. Mac Callum, UKSG, April 2018

Open Science: risultati aperti + infrastruttura aperta x cambiamento culturale

## Open Science



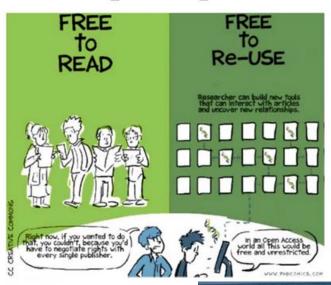


My first talk of the year! Message is going to be that the opposite of 'open science' isn't 'closed science' - it's bad science.

### Open Science principles

### Socio-cultural

- · Inclusivity
- · Equality
- Accountability
- Freedom
- · Fairness



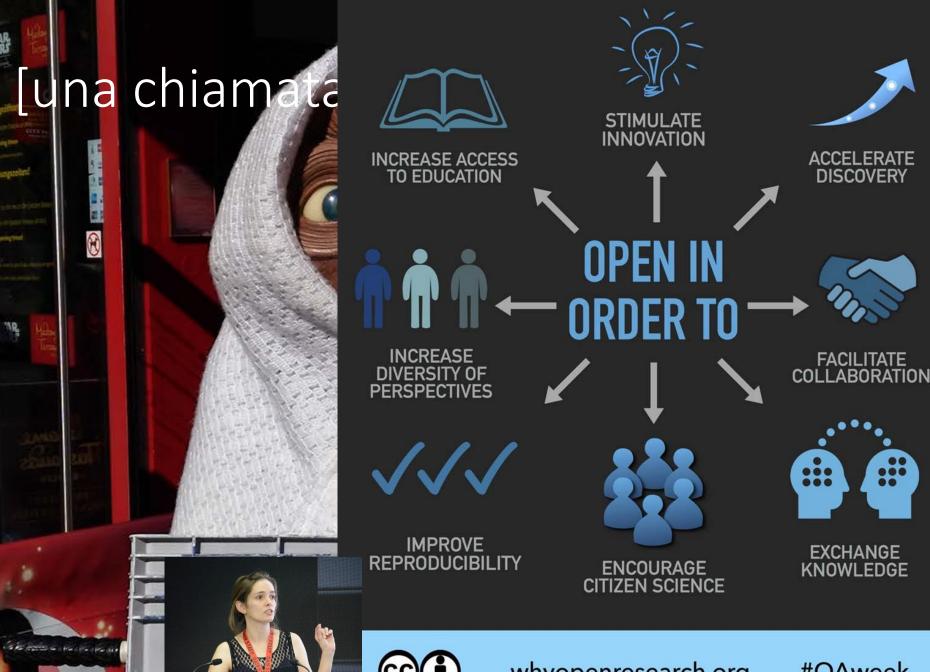
### **Technical**

- · Rigour
- Transparency
- Reproducibility
- · FAIR
- · TOP

Jon Tennant

Open Science is just good science!

[J.Tennant]





## Open Science: si può fare

### Opening up the research workflow

### Assessment:

- Comment / peer review
- Determine impact of research output
- Determine impact of researchers

### Preparation:

- Define & crowdsource research priorities
- · Organize project, team, collaborations
- · Get funding / contract

### Discovery:

- Search literature / data / code / ...
- Get access
- Get alerts / recommendations
- Read / view
- Annotate

### Outreach:

- · Archive/share posters
- · Archive/share presentations
- Tell about research outside academia
- Researcher profiles/networks

### Publication:

- · Archive / share publications
- · Archive / share data & code
- · Select journal to submit to
- Publish

### **Analysis:**

- Collect, mine, extract data / experiment
- Share protocols / notebooks / workflows
- Analyze

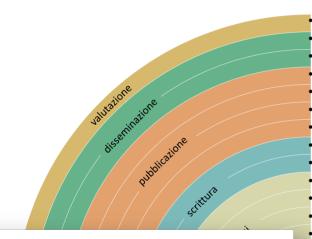
### Writing:

- Write / code
- Visualize
- Cite
- Translate



## Open per...

### Come puoi rendere Open ogni passo della ricerca...



**Following** 

Jon Tennant @ @Protohedgehog

To support 'open science' you don't have to agree with or practice the whole messy bulk of it. Share your papers openly; version your code; cite data sets; use open source software; blog. Small steps can make a big difference.

Traduci dalla lingua originale: inglese

aggiungendo misure di impatto alternative, es. altmetrics comunicando sui social media, es. Twitter condividendo poster e presentazioni, es. su FigShare utilizzando licenze aperte, es. Creative Commons BY depositando in archivi o pubblicando su riviste Open provando la open peer review, es. PubPeer o F1000 condividendo preprints, es. su OSF, arXiv o bioRxiv con formati leggibili dalle macchine, es. Jupyter o CoCalc con la scrittura collaborativa, es. Overleaf o Authorea condividendo protocolli e workflow, es. su Protocols.io condividendo note di laboratorio, es. OpenNotebookScience 📾 condividendo software, es. su GitHub con licenza GNU/MIT 🦃 condividendo i dati, es. su Dryad, Zenodo o Dataverse pre-registrando esperimenti, es. su OSF o AsPredicted commentando pagine web, es. su Hypothes.is o Pund.it usando bibliografie condivise, es. su Zotero condividendo progetti di ricerca, es. su RIO Journal

DOI: 10.5281/zenodo.1147025

Traduzione: Elena Gi

(c) (t)

DOI: 10.5281/zenodo.1195648

arXiv.org bioRχiv

zenodo

h.





Sean C. Rife @seanrife

) 0:22 / 4:00

March 2nd 2018

Segui

Can confirm. The following events happened, in order:

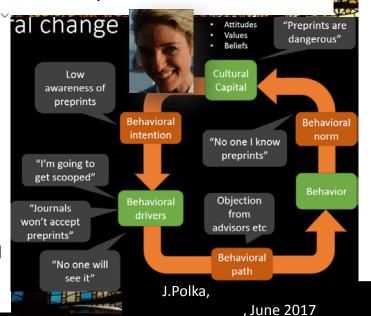
https://youtu

- 1. I submitted a paper.
- 2. My wife became pregnant with our first child.
- 3. My child was born.
- 4. My paper was rejected.

MY WIFE LITERALLY GREW A HUMAN IN THE TIME IT TOOK THEM TO REJECT MY PAPER.

Il valore dei preprint:

- pubblicazione immediata dei risultati
  - priorità scientifica



Rule 1: Preprints speed up dissemination

Rule 2: Preprints should be licensed and formatted to facilitate reuse

Rule 3: Preprints provide a record of priority

Rule 4: Preprints do not lead to being scooped

Rule 5: Preprints provide access to scholarly content that would otherwise be lost

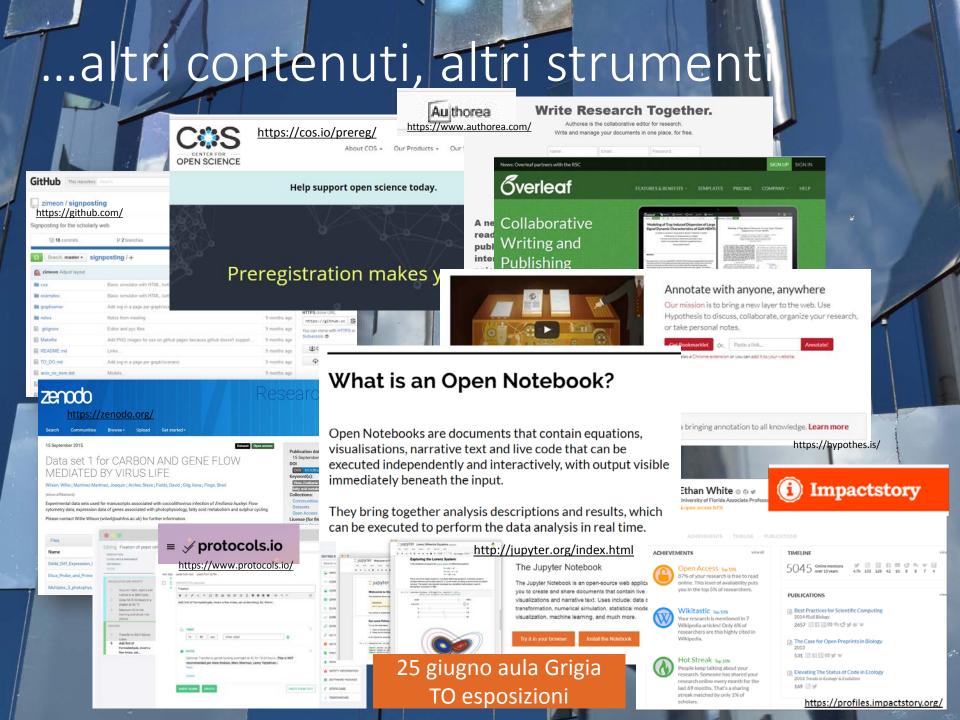
Rule 6: Preprints do not imply low quality

Rule 7: Preprints support the rapid evaluation of controversial results

Rule 8: Preprints do not typically preclude publication

Rule 9: Preprints can further inform grant review and academic advancement

Rule 10: Preprints—one shoe does not fit all





Legge 633/1941

UPPEOVED TO

## Open Access perché?



Access paywalled research papers, free.

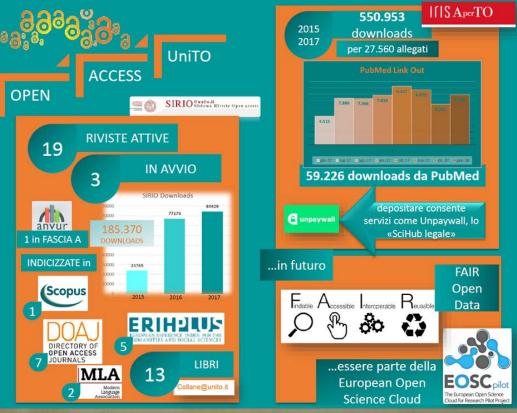
Just click the green tab and skip paywalls on millions of articles. It's fast, free, and legal, powered by our database of author-uploaded PDFs.

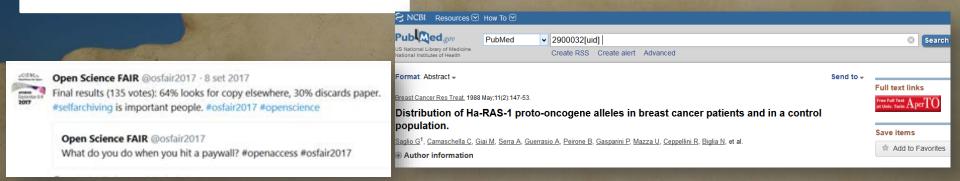
Free for Chrome and Firefox

+ Add Unpaywall to Firefox on the Firefox web store



## POSSIBILE **SOLO SE** RICERCATORI DEPOSITANO IN OPEN ACCESS





## -possono chiudere domani- possono essere comprate domani

## Due specie diverse

OFFICE OF SCHOLARLY COMMUNICATION UNIVERSITY OF CALIFORNIA

HOME . FEATURES . A SOCIAL NETWORKING SITE IS NOT AN OPEN ACCESS REPOSITORY

A social networking site is not an open access repository

	Open access repositories	Academia.edu	F
Supports export or harvesting	Yes	No	
Long-term preservation	Yes	No	
Business model	Nonprofit (usually)	Commercial. Sells job posting	



ResearchGate GmbH

To: Dr Ijad Madisch, CEO Horst Fickenscher, CTO

And to: Jay Monahan, General Counsel

Invalidenstrasse 115 Berlin, Germany https://goo.gl/RnUszK

Attorneys and Notaries

#### Rasel

Attomeys - Notaries:
Dr. Felix Iselin, notary
Dr. Gert Thoenen, LLM.
Dr. Benedikt A. Suter, notary
Dr. Caroline Cron
Dr. Martin Lenz, notary

Dr. Martin Lenz, notary
Certifed Specialist SBA inheritance Law
Dr. Beat Eisner
Carlo Scollo Lavizzari, LLM.

Dr. Lucius Huber Prof. Dr. Andrea Eisner-Kiefer Dr. Cristina von Holzen Dr. Damian Schai

Dr. Philipp Ziegler Swiss Certifed Tax Expert Marine Millershausen, LL.M. Atomey to the bar of Paris - BU-Attomey van Cuy Peter Tran

Michel Jutzeler admitted to the bar in Basel-Stadi

André Myburgh Foreign Coursei

arlsruhe

ResearchGate bows to pressure from publishers on copyrighted material



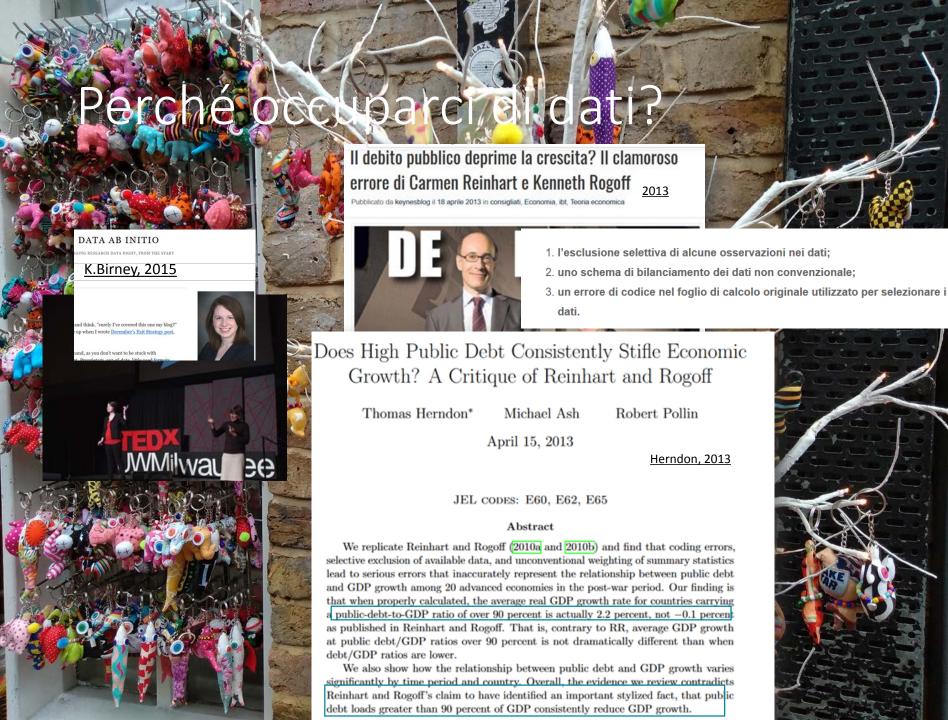
NEWS

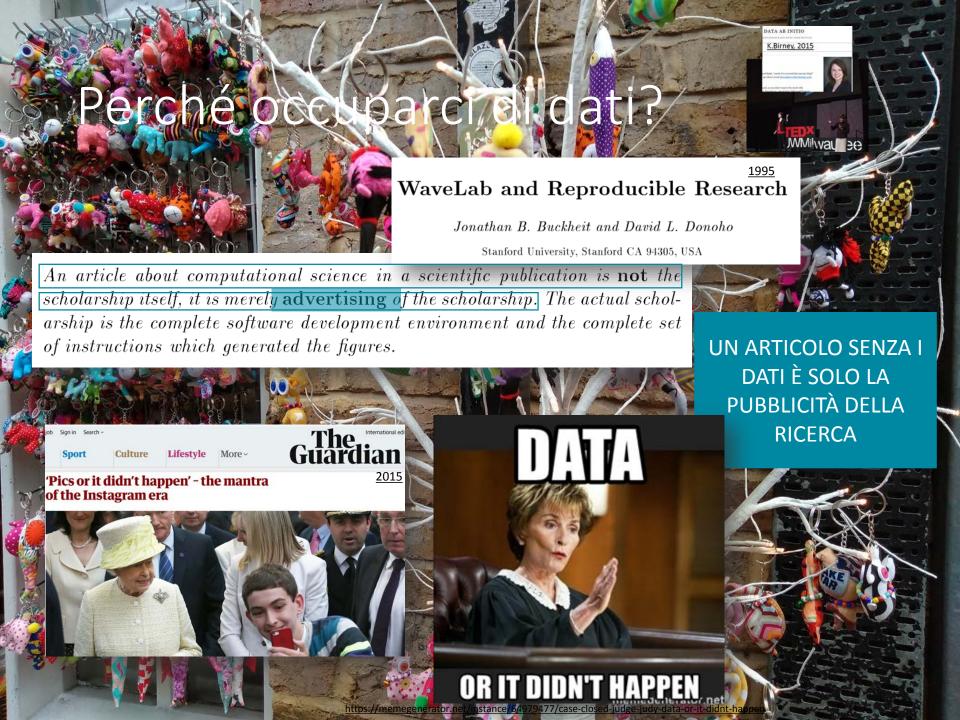
BY REBECCA TRAGER | 15 NOVEMBER 2017

requ UC's

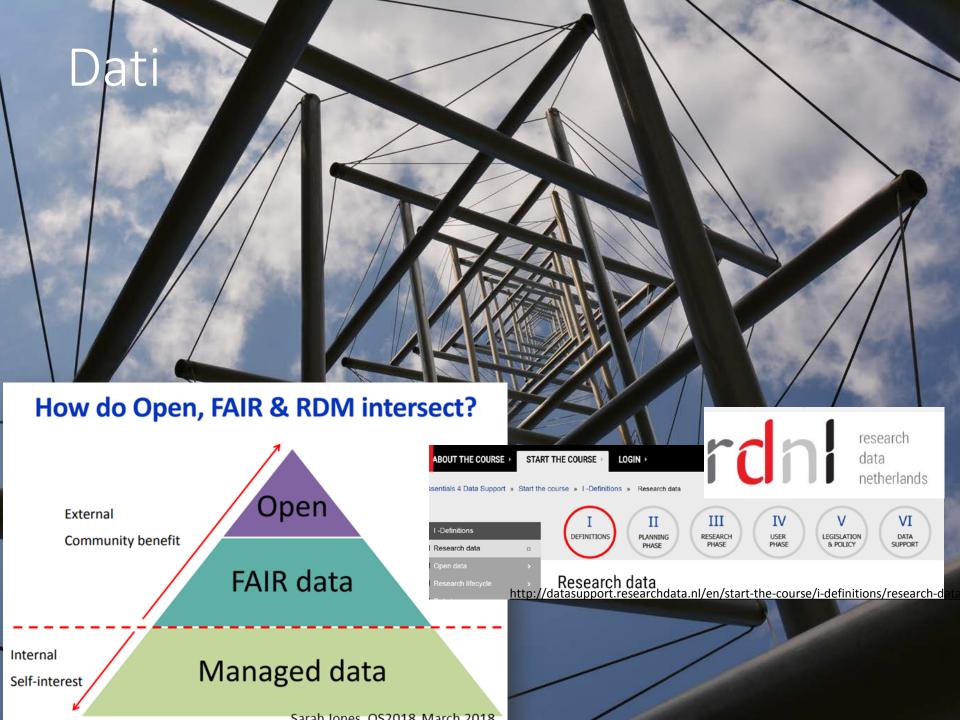
Networking site has moved 1.7 million journal articles from five major publishers so they are no longer accessible to the public Nov. 15, 2017

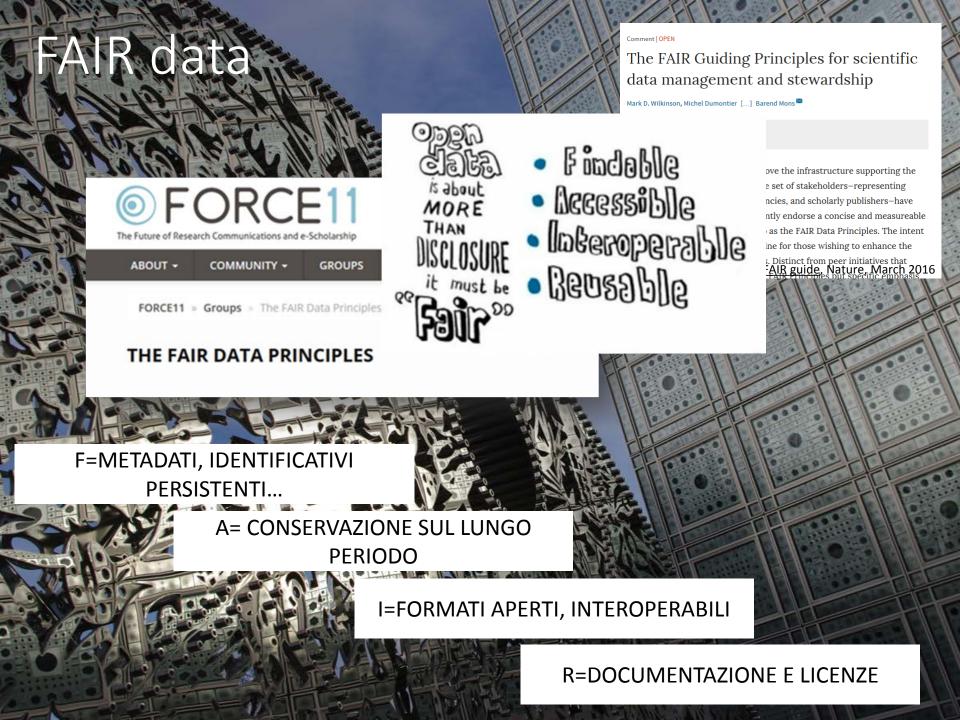
http://osc.universityorcalifornia.edu/2015/12/a-social-networking-site-is-not-an-open-access-repository,











## DMP - DATA MANAGEMENT PLAN



Italian Open Science Support Group

DATASET DESCRIPTION

Descrivere i dati esistenti o che si intendono creare, indicandone provenienza, natura e ordine di grandezza.

Motivare la creazione di nuovi dataset e relativo valore aggiunto.

Provenance of data (content)

Descrivere se i dati provengono da inter archivi disciplinari, banche dati e/o da a segnalare il titolo dei progetti)

Provenance of metadata

Idem

Type of data

Descrivere se sono qualitativi, quantitat.

Descrivere natura e formato dei dati (mi proprietario), ad esemplo:

Nature and formats

a) documenti testo (DOC, ODF, b) immagini (JPG, GIF, SVG, PN c) video/film (MPEG, AVI, WM\ d) registrazioni audio (MP3, W\ e) dati strutturati (HTML, JSON, f) tabelle (CSV, ODS, TSV, XLS, S\ g) codici sorgente (C, CSS, Java h) configuration data (INI, CON i) database (MS Access, MySql,

Requirements for hardware

Amount of data

Stimare l'ordine di grandezza dell'intero dataset (GB, MB, TB, PB);

Requirements for software

Specificare l'eventuale utilizzo di software specifici

Max info: "Recommended File formats

Specificare l'eventuale utilizzo di hardware specifici

DMP È
- UN MODO
STRUTTURATO DI
PENSARE AI PROPRI
DATI: raccolta,
conservazione,
descrizione, condivisione
- living document





Simone Aliprandi

**QUALI DIRITTI SUI DATI?** 

livello diritto

livello diritto

sui generis

d'autore

a cura di Simone Aliprandi IL FENOMENO OPEN DATA

INDICAZIONI E NORME PER UN MONDO DI DATI APERTI



### **FACT SHEET ON CREATIVE COMMONS & OPEN SCIENCE**<sub>VO</sub>

concerns surrounding open science and the implications of licensing data under Creative Commons licences. It is intended to aid researchers, teachers librarians, administrators and many others using and encountering Creative

### https://doi.org/10.5281/zenodo.840651

#### What is Open Science?

Open Science is the movement to make scientific research and data accessible to all for knowledge dissemination and public reuse.

#### How should I licence my data for the purposes of Open Science?

We recommend you use the CCO Public Domain Dedication, which is first and foremost a waiver, but can act as a icence when a waiver is not possible.

### CC ZERO LICENCE, 'NO RIGHTS RESERVED' LOGO



By applying CCO to your data you enable everyone to freely reuse your data as they see fit by waiving (giving up) your copyright and related

You should keep in mind that there are many situations in which data is not protected as a matter of law Such data can include facts names numhers - things that are considered 'non-original' and part of the public domain thus not subject to copyright protections. Similarly, your database (which is a structured collection of data) might be considered 'non-original' and thus ineligible for copyright, and it might additionally be excluded

from other forms of protection (like the <u>EU sui</u> generis database right, also known as the 'SGDR', for non-original databases).

In these cases, using a Creative Commons licence such as a CC BY could signal to users that you claim a copyright in the non-original data despite the law, and perhaps despite your real

Finally, if your data is in the public domain worldwide, you might state simply and obviously on the material that no restrictions attach to the reuse of your data and apply a Public Domain Mark

### **PUBLIC DOMAIN MARK LOGO**



When in doubt, consider which use may be appropriate according to the chart below:

#### CCO & PUBLIC DOMAIN LICENCES WHICH LICENSE TO USE AND WHEN



and communicat the data is in the

diversi livelli di tutela

database non creativo

semplici dati e

informazioni

nessuna tutela

solo diritto sui generis

diritto sui generis + diritto d'autore

database

creative

## ... Open Science made easy...

### **OPEN SCIENCE MADE EASY**



steps towards transparent and reproducible research



### Create your own OSF account

Open Science Framework: (one possible) online platform to document and present your research process transparently.



- . Go to https://osf.io/
- Register: name, email, password
- Create new project: 'My Projects' →
   'Create project' → Insert title → 'Create'
- The URL of the project will not be changed can be referenced in your paper
- The account can be used for all the following aspects of Open Science (OS)
- When you are ready: Change project status from private to public



### Open Materials

Make methods and materials transparent and availablev



- Upload documents describing all processes, methods and variables to your OSF project
- · Add the OSF link in your paper
- Basic lists as well as detailed code books are feasible
- If possible upload the original questionnaires (be cautious with copyrighted materials!)

https://osf.io/hktmf/



### 2. Pre-register your own studies

Describe your hypotheses, methods and analyses before running the study in your pre-registration



- In OSF: 'Project overview' 'registrations' 'New registration'
- · Choose and complete a template
- Make it public immediately or use the embargo (up to 4 years) to postpone public access.
- Pre-registrations can ...
- be brief or very detailed
- be made before/during/after data collection
- include confirmatory, but also exploratory and open research questions



#### Open Data

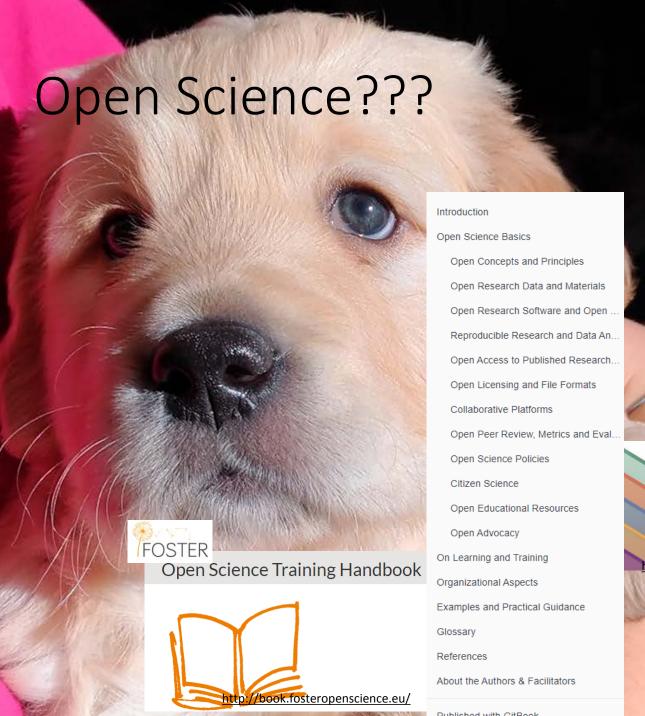
Make your research data publicly available



- Notify your participants in the informed consent form
- Make all primary data available that is necessary to reproduce your results
- Guarantee anonymity (if necessary delete variables, collapse, ...)
- Prepare your code book
- Upload your data files and code book to the OSF project, add the link in your paper
- Make your data citable (doi)
- Cf. the DGPs recommendation for open data sharing: http://bit.ly/dgpsdata\_en







The structure of this MOOC is still under

- 1. Open Principles
- 2. Open Collaboration
- 3. Reproducible Research and Data Analysis
- 4. Open Research Data
- 5. Open Research Software and Open Source
- 6. Open Access to Research Papers
- 7. Open Evaluation
- 8. Public Engagement with Science
- 9. Open Educational Resources
- 10. Open Advocacy

### OPEN SCIENCE MOOC

FREE JOPEN LEARNING

https://opensciencemooc.eu/



### Valid reasons not to participate in open science practices

Casper J. Albers\*

### Abstract

The past years have seen a sharp increase in the attention for open science practices. Such practices include pre-registration and registered reports, sharing of materials, open access publishing and attention to reproducibility of research. Despite the overwhelming amount of evidence highlighting the benefits of open science, some researchers remain reluctant. In this paper, I will outline valid reasons for researchers not to participate in open science practices.

### Discussion

There are no valid reasons.

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