

La strada verso la Open Science



Revolution?



Jon Tennant ✓

@Protohedgehog

Following



The revolution is the vision. The incremental changes are how to achieve it. Love this quote.

Allison Trumble @atrumbled

"I'm here for the revolution, but I'm also here for incremental changes" @mchris4duke keynote at #bclc2018

<https://twitter.com/Protohedgehog/status/995275221639843840>

Open science da bibliotecari

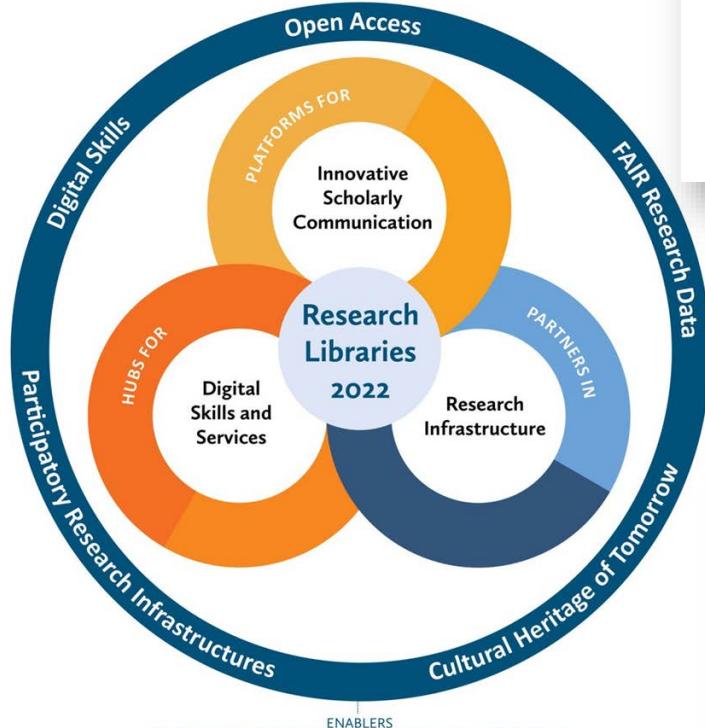
In 2022, we see a world where:

- Open Access is the predominant form of publishing;
- Research Data is Findable, Accessible, Interoperable and Reusable (FAIR);
- Digital Skills underpin a more open and transparent research life cycle;
- Research Infrastructure is participatory, tailored and scaled to the needs of the diverse disciplines;
- The cultural heritage of tomorrow is built on today's digital information.



Priorities

- **Open Access of Research Publications:** developing innovative services on top of the repository network; advancing Open Access business models for journals and the role of libraries therein, and the possibilities for libraries as Open Access publishers and innovative publishing.
- **Research Data Management:** exploring and developing library services regarding FAIR research data, such as support for data management during research projects and support for data archive/data repositories to store and publish research datasets, and linking data to publications.
- **Innovative Metrics:** developing innovative metrics meant to monitor and evaluate research.
- **Innovative Peer Review:** participating in developments regarding innovations in peer review.



<http://libereurope.eu/strategy/innovative-scholarly-communication/>

Open science

Humanities publishing can be a harsh and unforgiving place for open access.

We understand. In 2018, the [Open Library of Humanities](#) will pool its knowledge and resources to empower its membership, its authors and the wider humanities open access community. Now is the time to form the bonds that will give strength and conviction to all those supporting the APC-free gold open access of the future.

March 2018

The OLH wants humanities librarians and scholars strong and ready to fight.

Everyone has their role to play and the OLH is working hard to help you play yours with tailored support. The **EmpowOA** programme is here to provide scholars and librarians working in the humanities with tools, spaces and cogent arguments.

Our manifesto is three-fold:

Librarians are our energy. The OLH will strengthen libraries' collective power.

Each existing library member of the OLH consortium can now [refer their colleagues](#), earning both the referrer and the referee a **10 per cent discount**. The more partners you refer, the more you save. Tell a collaborator or consortium partner today! Your hard-earned funds will go further, supporting humanities research.

Librarians who visit the OLH website will soon be able to access a [toolkit](#) created with their needs in mind, equipping them to fight for the humanities, including videos, infographics, advocacy FAQs and reference sheets to strengthen the argument for an OLH membership or renewal. We are here to listen and to respond.

The scholars who edit and write for our journals are building an international open access community. The OLH will strengthen this powerful advocacy network.

Those who need OA support will soon have access to a **network of advocates**, a collective of librarians and scholars ready to educate and inform. Academics will be better equipped to argue for OA with their librarians and to offer them a referral discount. [Volunteer today!](#)

Scholars who visit the OLH website will soon have access to [resources](#) tailored to their needs, with data and infographics to equip them for their OA travails. [We want to hear your ideas.](#)

Humanities scholars and librarians are our lifeblood. The OLH will support this growing community.

We have initiated [#EmpowOA twitter chat](#) on Fridays at 7am PST/10am EST/3pm GMT/4pm CET. The conversation will also come to [Facebook](#). **Follow, share and like!** Each session, a prominent figure or panel in humanities OA will field answers to a series of stimulus questions and moderate a discussion. [Suggest a topic and enrich the debate!](#) The archive is available [on Wakelet](#).

POWER TO
THE LIBRARIAN
POWER TO
THE SCHOLAR
POWER TO



EmpowOA at OLH

2018-03-09

Open science da bibliotecari



ZBW Blog about Open Science, Science Policy, Innovations and more.

DEUTSCH

BLOG CATEGORIES

SCIENCE POLICY AT ZBW

LEIBNIZ RESEARCH ALLIANCE SCIENCE 2.0

NEWSLETTER

CONTACT

BECOME A GUEST AUTHOR

March 2018

Libraries as bridge-builders

Since creative solutions are often formed at the borders between disciplines, it is necessary to create interfaces and experimental fields for open science and open innovation in finance, science and administration. The inclusion of actors who were not previously represented in research processes leads to positive synergy effects, which emerge from the amalgamation of ideas from science and daily life. If data and results are shared, this means scientists do not have to repeat their work and there is inspiration for new research topics. The opening up of science has positive effects when it comes to motivating young talents in universities and research institutes, since they have increased autonomy and scope for creativity.

The opening up of science entails new ways of thinking when it comes to scientific study. Transparency, a willingness to share knowledge and an openness to research questions from non-specialists are encouraged. Current notions of reputation make it difficult to agree in this respect; the development of university structures could introduce new impulses for openness and innovation in research and teaching. Furthermore, the transfer from the universities into finance and society could be reinforced. This is because the opening of science generates the methodical and cultural conditions for open innovation in science, which in turn contributes to an open, value-oriented innovation system.

Bridge-building is encouraged when it comes to the promotion of open science, where there are still large gaps in knowledge between scientists on one side and the e-infrastructure landscape on the other. So far these communities have been working very far apart from one another. This is where libraries could make a very important contribution, especially when it comes to building bridges between the different communities and target groups in order to promote open innovation.

Pathways to Open Access

APPROACHES & STRATEGIES

For each approach to OA, we systematically analyze below:

- Nature of approach
- Prevalence and impact
- Strategies to achieve approach (including specific challenges and
- Systemic challenges
- Systemic opportunities

Green OA

Nature of Approach

Green open access is repository-based open access. Green OA models are access behaviors, relying instead on institutions and authors to take steps to make works freely available in online repositories that may be (and often are) managed by the author or institution. In essence, successful green open access requires: the right to share a given work, the motivation to share it, and a location for sharing it (i.e., a repository).

The transfer of a work's copyright from the author to the publisher has long been a standard practice within academic publishing. Such transfers often relinquish some or all relevant rights, including the author's permission to post or reuse work. Without reservation of license rights, the author no longer retains the necessary rights to publish openly the final

Challenges

1. Barriers to posting

Authors face a varied set of barriers to deposit that hamper participation rates and, ultimately, the transformativeness of Green OA. Authors' reasons for not depositing their work include: opposition or indifference to OA; unfamiliarity or discomfort with OA; the lack of time for deposit, or the necessary support to do so properly; and the lack of meaningful incentives rewarding deposit or penalizing non-participation. And even where authors participate, the process and its demands can be complicated enough to lead to the posting of versions not covered by the relevant policies or licenses. So long as Green OA relies on voluntary author participation, observed author indifference, confusion, and inertia will serve to prevent full participation. Indeed, even when publication management software layers, like Symplectic Elements, are added to repository services to facilitate deposit, author uptake remains limited due to the burdens imposed by even the most streamlined and accurate claim-and-upload systems.

2. Dependence on publisher forbearance

Green OA as practiced today depends in large part on publisher forbearance from enforcing posting policies. Except where green availability is funder mandated, policies facilitating the practice are generally soft: Harvard-style institutional policies are waivable and publisher sharing policies are gratuitous, variable, and shifting—for all practical purposes, ephemeral. Even when these arrangements hold, imperfect execution leaves them open to publisher-driven takedown efforts. While recent trends have favored Green OA availability, these are dependent on the continued cooperation of publishers, which might be less forthcoming if, for instance, the model were successful in reducing publisher revenues.

3. Versioning complications

Publisher self-archiving policies, funder mandates, and institutional open access policies typically limit the version of the manuscript that can be posted to a Green OA repository. Although the exact

PATHWAYS TO OPEN ACCESS

Approved
27 February 2018

Prepared by
the University of California Libraries

Feb. 2018

...qualcosa si muove...



Peter Suber

@petersuber

Following



The @WellcomeTrust will "seek compensation" from @OxUniPress "for...poor service...over the last 12 months." The rate at which Wellcome-funded OUP articles failed to comply with Wellcome policy requirements rose from 5% to 34% last year.

Traduci il Tweet



***Research Professional News**

Research – news, analysis, funding and data for the academic research and policy community

researchresearch.com

21:33 - 3 mag 2018

<https://twitter.com/petersuber/status/992125031294603264>

...qualcosa si muove...

Report: Louisiana State University is Suing Elsevier For Breach of Contract May 2017

Filed by [Gary Price](#) on  May 2, 2017

UPDATE December 21, 2017 [LSU Libraries, Elsevier Quietly Resolve Suit Over Journal Access](#) (by [Andrew Albanese, Publishers Weekly](#))

UPDATE: May 3, 2017 We've added a comment about the lawsuit from Elsevier and a blog post by ARL's Krista Cox with additional background. They're both found at the bottom of this post.

—

The news about the lawsuit filed on Feb. 27, 2017 comes today via an announcement from the Association of Research Libraries (ARL).

The complaint was filed in the [Parish of East Baton Rouge \(19th District Circuit Court, State of Louisiana\)](#). Primary documents are linked at the bottom of this post.

Here's a portion of the news release written by ARL's Director of Public Policy, Krista Cox.

Louisiana State University (LSU) filed a lawsuit on February 27, 2017, against international science publisher Elsevier B.V. for breach of contract resulting from the publisher's exclusion of the LSU School of Veterinary Medicine from accessing content licensed by the LSU Libraries. In filing the lawsuit, LSU exercised sound financial stewardship of its public resources.

...qualcosa si muove...



Rob Colautti

@ColauttiLab

Segui

I'm taking a stand for [#OpenAccess](#) and [#OpenScience](#), inspired by my [#MachineLearning](#) colleagues.

Traduci il Tweet

Send

Cc...

Subject

RE: Request to review a manuscript for Nature Ecology & Evolution (strictly confidential)

Dear **FOMO**

I appreciate your reaching out to me. However as a strong proponent of Open Science and affordable Open Access, I'm afraid I would rather not support Springer Nature.

Rob

<https://twitter.com/ryregier/status/994664407488651269>

...qualcosa si muove...

nature

International weekly journal of science

[Home](#) | [News & Comment](#) | [Research](#) | [Careers & Jobs](#) | [Current Issue](#) | [Archive](#) | [Audio & Video](#) | [For Authors](#)

[Archive](#) > [Volume 541](#) > [Issue 7638](#) > [News](#) > [Article](#)

[Jan 2017](#)

NATURE | NEWS



'You never said my peer review was confidential' — scientist challenges publisher

Open-science advocate says journals should be clearer to peer-reviewers about terms and conditions.

[Quirin Schiermeier](#)

23 January 2017 | Corrected: 24 January 2017



PDF



[Rights & Permissions](#)

Are peer-reviewers free to openly share the content of their reviews if journal editors haven't explicitly told them not to? Jon Tennant, a scientist-turned-outreach specialist, thinks so.

Tennant had reviewed a research paper submitted to the journal *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*. He recommended that the authors' new approach to studying fossil seabird fauna should be published. The journal's editors agreed and published the paper.

...qualcosa si muove...

2007 Bulgaria Bulgaria Bulgaria
Romania Romania Romania
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International edition
The Guardian

Academia is built on exploitation. We must break this vicious circle

May 18, 2018

What did I find when I joined a university? Poor mental health, huge workloads, ego-driven professors and rampant plagiarism

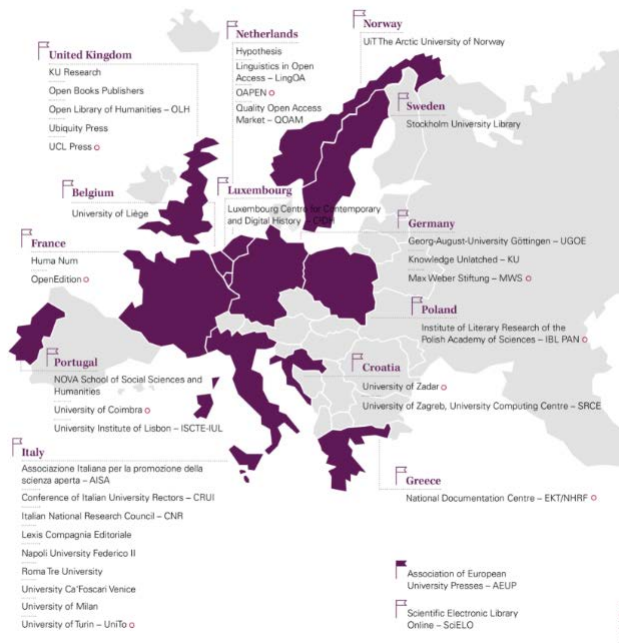


... qualcosa si muove anche in Italia?

Nuovo Gruppo di Lavoro MIUR su Open Access

OPERAS Partners

OPERAS gathers 36 organizations from 11 countries and is coordinated by a 9 member group. OPERAS is led from France by Op



IOSSG

Italian Open Science Support Group

IOSSG - Italian Open Science Support Group non è un'associazione ma un **gruppo di lavoro** transuniversitario, nato dalla collaborazione di professionisti con competenze trasversali, operanti nell'ambito delle aree: supporto alla ricerca, biblioteche digitali, Open Science, legale, ICT e provenienti da Open AIRE, Università di Milano, Università Ca' Foscari Venezia, Politecnico di Milano, Università di Torino, Università di Bologna, Università di Trento, Università di Parma, Università di Padova, Università di Vienna, Università di Trieste. L'adesione a IOSSG è assolutamente su **base volontaria** e non implica un coinvolgimento istituzionale.

IOSSG è stato indicato dalla Commissione Europea membro della "**Coalition of doers**" in EOSC.

Coordinamento: Paola Gargiulo ([OpenAIRE](#)-[NOAD](#)-Italia).

IOSSG si avvale della partecipazione del mondo aziendale che contribuisce con progetti legati a servizi e tecnologie open source ([4Science](#)) e del contatto diretto con associazioni internazionali ([LIBER](#), [AOSSG](#)/Università di Vienna).

Obiettivi

IOSSG nasce nel 2016 con lo scopo di promuovere in Italia lo sviluppo e la diffusione dell'**Open Science**, con particolare riferimento alla **European Open Science Cloud (EOSC)**.

Fornisce supporto e strumenti per rispondere alle sfide che la scienza aperta pone al mondo della ricerca: **processi della ricerca**, **ciclo di vita dei dati**, loro **gestione**, questioni relative alla **governance**, con particolare attenzione ai **servizi e alle infrastrutture**. L'attività del gruppo ha come focus l'impatto a **livello locale** delle politiche EOSC.

OPERAS

INTEGRAZIONE

coordina e crea sinergie

NON si sostituisce
ma FA CRESCERE le realtà EDITORIALI esistenti

unisce e fa lavorare insieme
editori, bibliotecari, ricercatori

...ampliando
contemporaneamente
la qualità globale dei
servizi offerti

PER INTEGRARE SSH IN EOSC

PER RIPRENDERE IN MANO LA
COMUNICAZIONE SCIENTIFICA

OPERAS

open access in the european research
area through scholarly communication

About Projects Scientific Case Design Study OPERAS Conference Contact



Welcome to the OPERAS Blog!

OPERAS is a European research infrastructure for the development of open scholarly communication, particularly in the social sciences and humanities.

OPERAS-D (design project) addresses the long-term requirements for OPERAS. As a key objective, the OPERAS-D project has prepared a

OPEN

<https://operas.hypotheses.org/>

OPERAS - CERTIFICARE

ESIGENZA
(AUTORI)

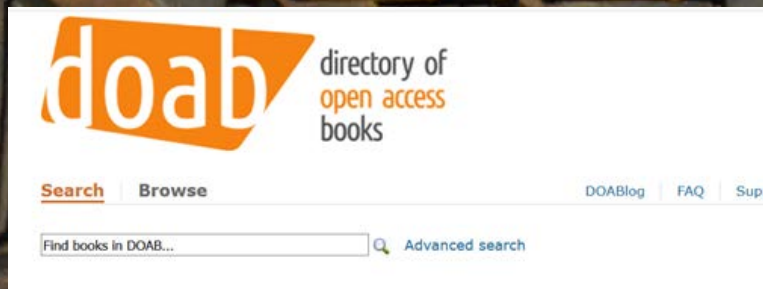
dimostrare il valore dei loro lavori di ricerca e della serietà del processo editoriale

ESIGENZA
(VALUTATORI)

poter contare su una peer review certificata

ESIGENZA
(BIBLIOTECHE)

inserire nei cataloghi opere di qualità



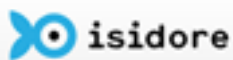
SERVIZIO «TERZO» DI CERTIFICAZIONE
ESTERNA DELLA QUALITÀ

- basato su DOAB
- deve soddisfare criteri minimi

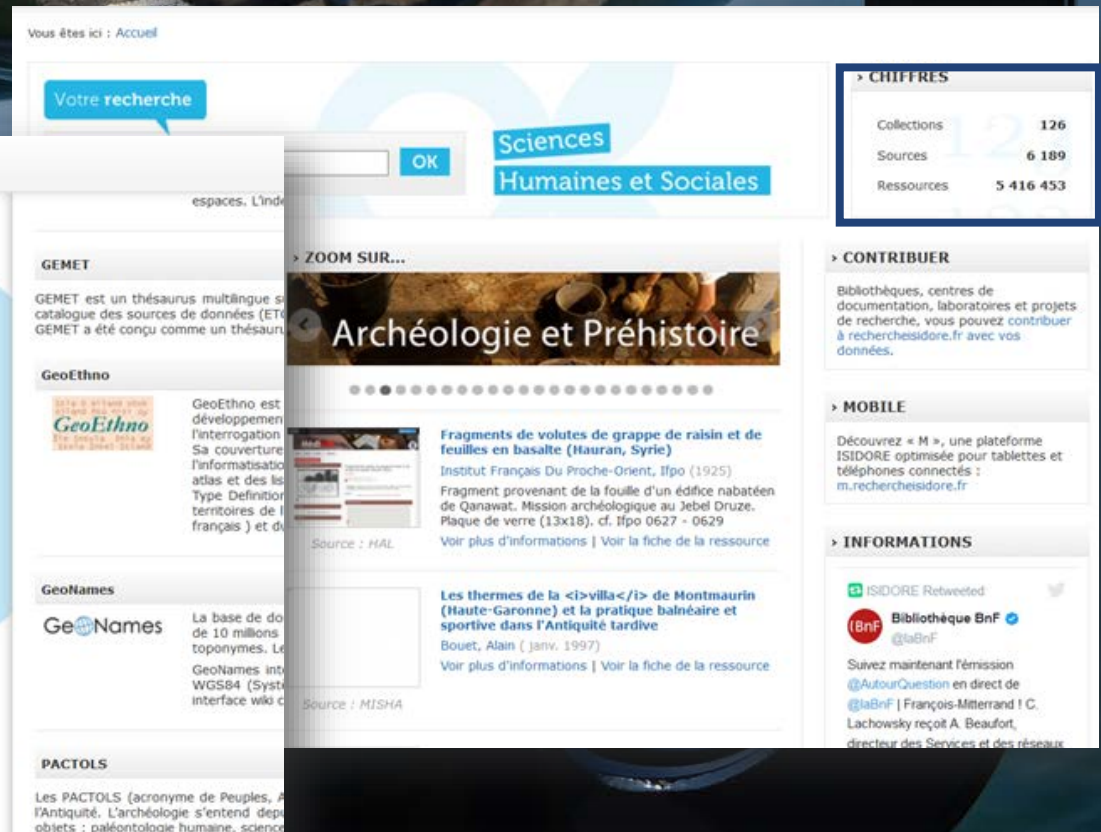
OPERAS - TROVARE

ESIGENZA (AUTORI)

avere un unico punto di accesso per le ricerche
[invidia del PubMed]



- BASATO SU ISIDORE
- **UNICO PUNTO DI ACCESSO**
- **ARRICCHISCE I METADATI INDICIZZANDO CON VOCABOLARI CONTROLLATI DISCIPLINARI**
- **PREVISTO MULTILINGUE**
- **PREVISTO AGGANCIO CON DATASET (OPENAIRE)**



OPERAS - ATTIVARE

ESIGENZA
(AUTORI)

aprirsi al territorio, avere maggiore impatto sociale

ESIGENZA
(ATTORI SOCIO
ECONOMICI)

avere accesso, essere coinvolti, partecipare

The iterative and discursive process in hermeneutic methods, which have truncated the SSH from developments in the publishing system, as well as the bond to local communities in native languages, which has decelerated the internationalization of the SSH, now hold an immense potential for an inspiring model of Open Science with direct societal impact, based on continuous communication.

LA RICERCA VIENE «ATTIVATA»

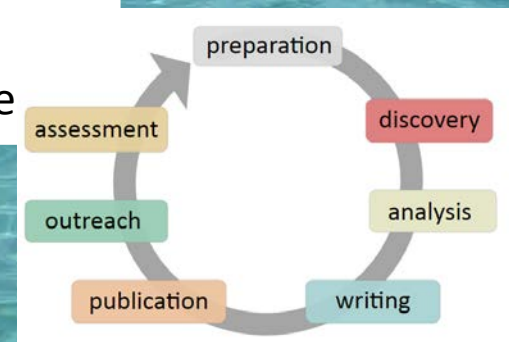
- BASATO SU HYPOTHESES.ORG
 - **IMPATTO + IMPEGNO**
- NUOVA IDEA DI CITIZEN SCIENCE
[IN LINEA CON OPEN SCIENCE]
- SOCIAL NETWORKING PER COINVOLGERE
 - AFFRONTA LE SFIDE SOCIALI EU



Open Science: un gioco da fare con i vostri ricercatori

Partendo dalle possibilità suggerite da Bianca e Jeroen, tre giochi utili:

- far creare a ognuno il workflow possibile, scegliendo un'azione per ogni passo del processo di ricerca [poi, possibilmente, farlo davvero!]
- far scegliere per ogni passo della ricerca l'azione che si impegnano a fare in un prossimo futuro (molto prossimo)
- far scegliere lo strumento pratico che si impegnano a imparare



Jon Tennant ✓
@Protohedgehog

Following

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.

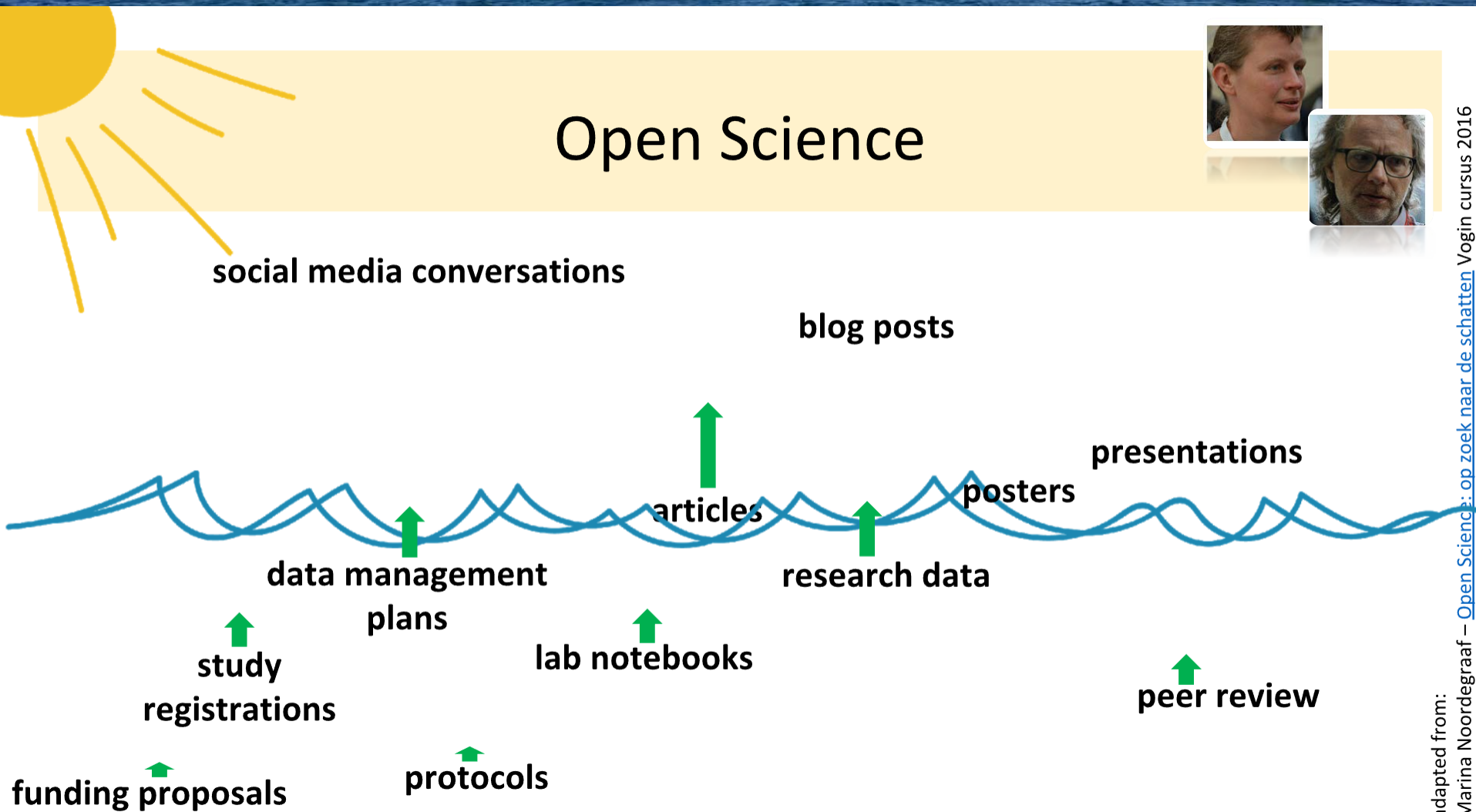
Traduci dalla lingua originale: inglese

18:09 - 27 feb 2018 da Praga, Repubblica

Ricordandosi la strategia:
un passo per volta!



Come far emergere le pratiche Open Science?



Open Science: quale passo per primo?

Open Science is ...

Open to participation

Open to (re)use

Open to the world

Who is involved ?

What are the outcomes ?

Who do you want to reach ?



Open Science: quale passo per primo [in generale]?

involving
public/patients etc. in
drafting research
proposals

extensively searching
for existing data
before generating
your own

translating research
objects in world
languages

acknowledging
contributor roles in a
publication

refusing to be part of
all male or all white
panels

using metrics of
commercial/social
application to assess
research

Possibili attività nel ciclo della ricerca

Qual è il «mio»
workflow?
Come posso realizzarlo in
pratica?

ities in the re

Assessment

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

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

Preparation

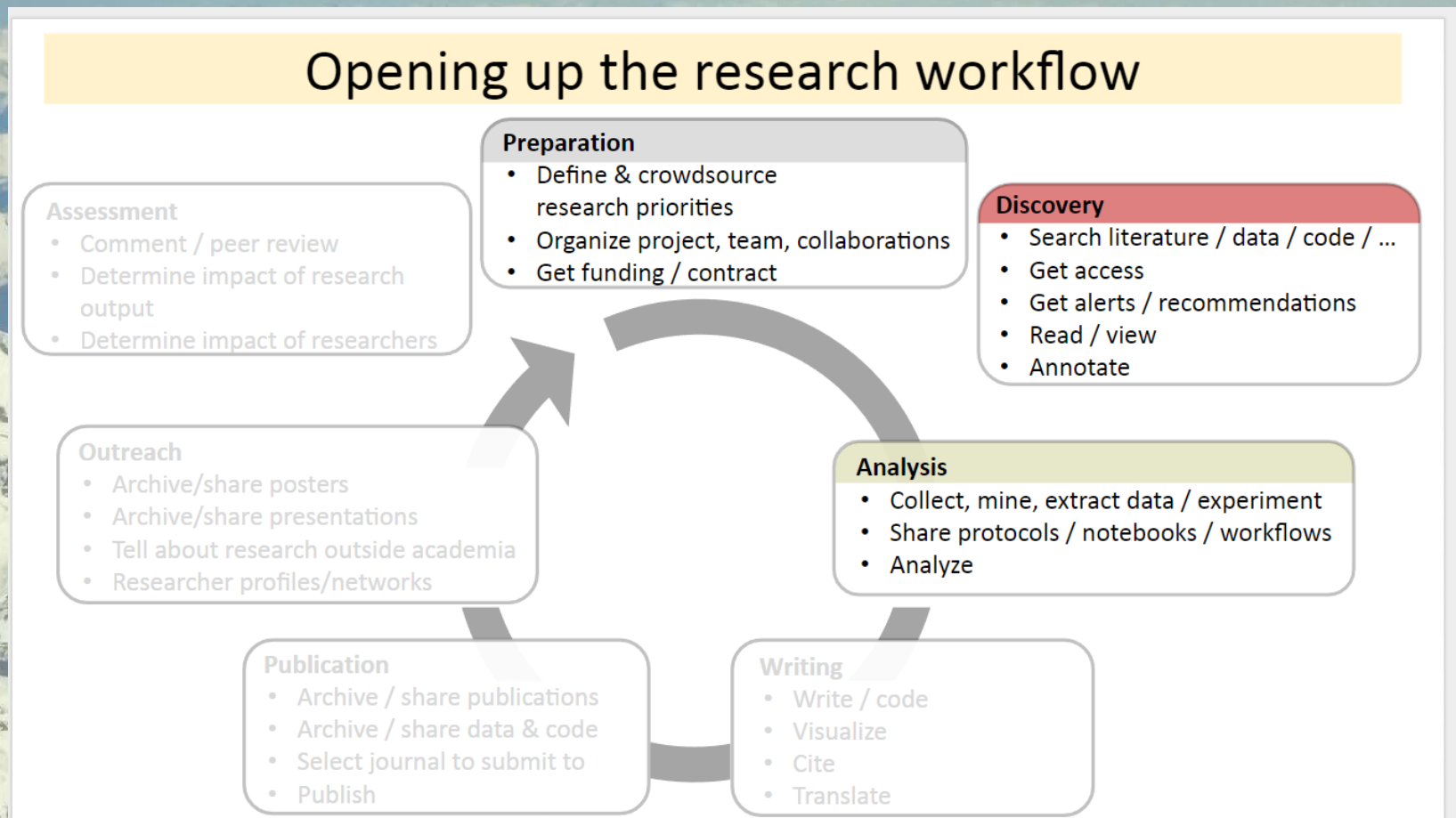
- Define & crowdsource research priorities
- Organize project,
- Get funding / con

Interesting practices

How to do this

	Interesting practices	How to do this
Preparation		
Discovery		
Analysis		
Writing		
Publication		
Outreach		
Assessment		

Preparazione, scoperta, analisi



Preparazione, scoperta, analisi: possibili pratiche

involve public / patients
in drafting
research proposals

openly share
project proposals

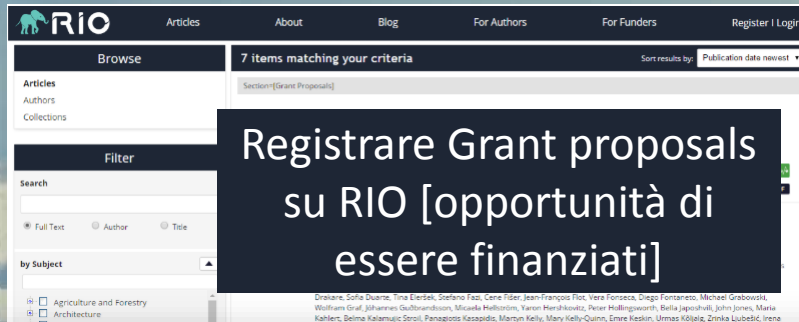
share hypothesis before
starting research
(if possible/relevant)

publicly annotate
papers or webpages

extensively search for
existing data before
generating your own

openly share
scripts or protocols

Preparazione, scoperta, analisi: possibili strumenti



<https://aspredicted.org/>

Create a new AsPredicted pre-registration

See your existing AsPredicteds (e.g. approve, make public)

Pre registrare uno studio
su OSF Registries o
AsPredicted [garanzia]

Your email address (used in AsPredicted)

SEE OWN

What's an AsPredicted?

It is a standardized pre-registration that requires only what's necessary to separate exploratory from confirmatory analyses. You will easily generate a pre-registration document that takes less effort to evaluate than it takes to evaluate the published study itself.

About

Terms of use

How does it work?

- One author briefly answers 9 questions.
- All participating authors receive an email asking for approval.
- If everyone approves, it is saved and stays private until an author acts to make it public, or it remains private forever. ([Why?](#))
- Authors may share anonymous .pdf with reviewers.
- If made public, a single-page .pdf is generated. That document can be used as a supplement. ([See sample](#))
- The .pdf contains a unique URL that allows for one-click verification. That URL can be included in the paper.
- The .pdf is automatically stored in the web-archive. ([See sample](#))
- There are no accounts, userids, or passwords.

What if things don't go "as predicted"

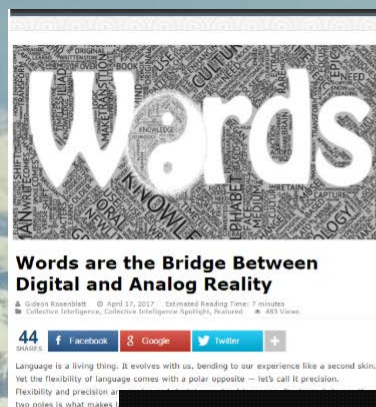
You can just say so in the paper:

- "Contrary to expectations, we found that..."
- "Unexpectedly, we also found that..."
- "In addition to the analyses we pre-registered we also ran..."
- "We encountered an unexpected situation, and followed our Standard Operating Procedure" ([.pdf](#))

Preparazione, scoperta, analisi: possibili strumenti

<http://onsnetwork.org/>
Open Notebook Science Network

Condividere i notebook di laboratorio
su Open Notebook Science Network
o Protocols.io



Annotare i lavori
interessanti e rendere
disponibili i commenti
con Hypothes.is o
Pund.it



hypothes.is

anywhere

to the web. Use

Hypothesis to discuss, collaborate, organize your research,
personal notes.

THE LATEST OPEN SCIENCE

- Assembly - Geoduck Hi-C A
0000-0002-2747-368X Steven a
Genomics Hi-C geoduck genom
kubu4
- Read Mapping - Mapping I
Bowtie2 9 May, 2018



Condividere il codice
del vostro software
su GitHub



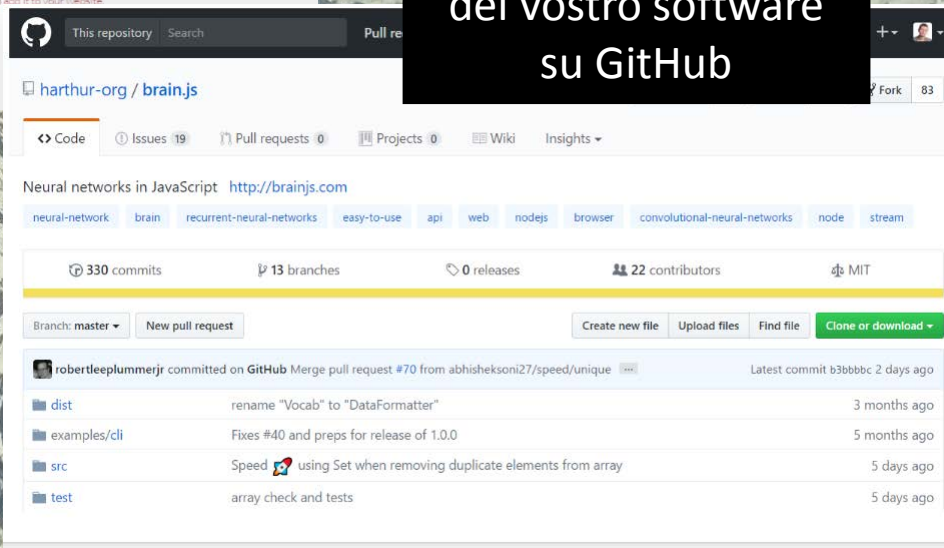
Pin the web

Highlight and comment any page on the web

[Install Pundit Annotator](#)

<http://thepundit.it/>

Start using Pundit now in **three easy steps**



Preparazione, scoperta, analisi: possibili strumenti



Manage your research in one easy, integrated platform.

Collaborate, plan, create, preregister, even publish a preprint.

OSF provides free and open source project management support for researchers across the entire research lifecycle. As a collaboration tool, OSF helps researchers work on projects privately with a limited number of collaborators and make parts of their projects public, or make all the project publicly accessible for broader dissemination. As a workflow system, OSF enables connections to the many services researchers already use to streamline their process and increase efficiency. As a flexible repository, it can store and archive research data, protocols, and materials.

- **Structured projects:** Access files, data, code, and protocols in one centralized location and easily build custom organization for your project - No more trawling emails to find files or scrambling to recover from lost data
- **Controlled access:** Control which parts of a project are public or private, making it easy to collaborate and share with the community or just your team
- **Enhanced workflow:** Automate version control, get persistent identifiers for projects and materials, preregister your research, and connect your favorite third party services directly to OSF
- **Extensible Research.** Automatically create a preprint, meeting abstract, or add to your institutional repository. Manage multi-institutional projects.
- **Dependable Repository:** OSF's Preservation Fund ensures that any data stored in the repository would be maintained and protected for 50 years.

[Get Started Now](#)



Utilizzate queste piattaforme «integrate»
per la gestione della ricerca

F1000Workspace

Beyond a reference manager

An easy and intuitive way to discover, read, annotate, write and share scientific research

Email

[CREATE FREE ACCOUNT](#)

[Create free account with Google](#)

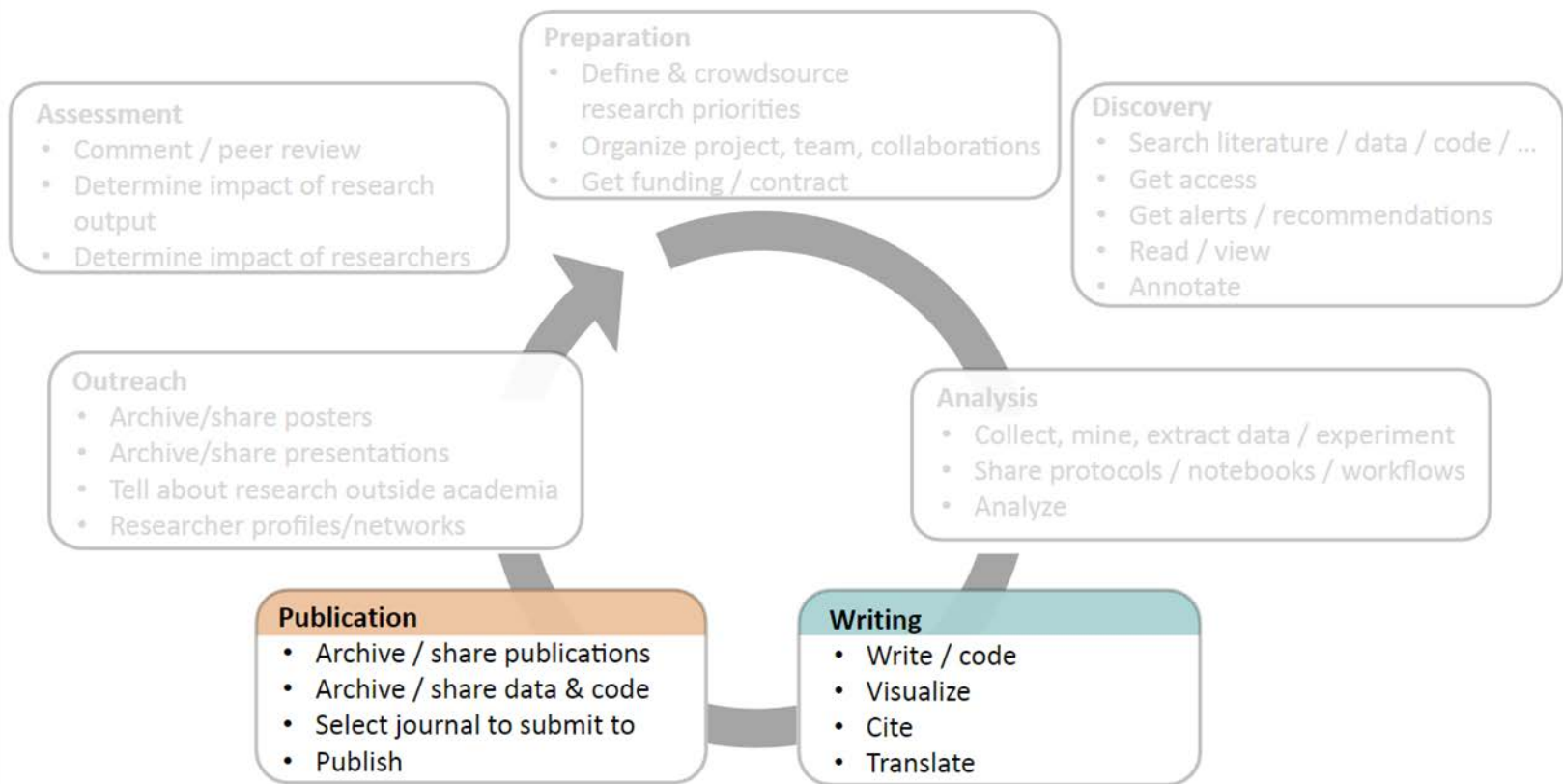
[Create free account with Facebook](#)

Already using F1000Workspace? [Sign in](#)

Get more out of your day
with our award winning tool*

Scrivere e pubblicare

Opening up the research workflow



Scrivere e pubblicare: possibili pratiche

store data in the most open format possible

cite OA versions of literature & provide data and code citations

share early versions of papers (preprints)

acknowledge contributor roles in a publication

translate research in world languages

publish open access

Scrivere e pubblicare: possibili strumenti

AVERE I PROPRI DATI
DISPONIBILI, CONSERVATI,
INTEGRI E [FAIR]

<https://dataverse.org/>

Dataverse[®]
Project

Open source research data repository

Enjoy full control over your data. Receive *web visibility*, *academic credit counts*. A personal dataverse is easy to set up, allows you to display your website, can be branded uniquely as your research program, makes you part of the research community, and satisfies data management plans. Want to learn more? <https://dataverse.org/>

zenodo

Search



Researchers

<https://datadryad.org/>

About

For researchers

For organizations

Recent uploads

May 11, 2018 (v4)

Dataset

Open Access

A global network of biomedical

Percha, Bethany; Altman, Russ B.

This repository contains labeled, weighted relationships based on single sentences and labeled relationships. PART I: Connects

Uploaded on May 12, 2018



Open data best practices:

How to make your Dryad data package as reusable as possible

Browse for data

Recently published

Popular

Recently published data

Mitchell J, Sumner J, Holland B (2018) Data from: Distinguishing between convergent evolution and violation of the molecular clock for three taxa. *Systematic Biology*

SCRIVERE IN MODO
COLLABORATIVO

Au thorea |

☆ f t p

10 Simple Rules for the Care and Feeding of

Published in *PLOS Computational Biology* 04/24/2014

Alyssa Goodman,
Christine L. Borg
Rosanne Di Stefan
Margaret Hedstrom
Ashish Mahabal, A

Overleaf

FEATURES & BENEFITS

Collaborative Writing

Join 750,000+ authors enjoying the easiest way to co

Scrivere e pubblicare: possibili strumenti

PUBBLICARE LA RICERCA COME PREPRINT:

- PRIORITÀ DELL'IDEA
- RENDERE SUBITO DISPONIBILI I RISULTATI
- AVERE FEEDBACK
- TROVARE COLLABORATORI
- [SEARCH] ESSERE SEMPRE AGGIORNATI SULLE RICERCHE PIÙ RECENTI



Scrivere e pubblicare strumenti

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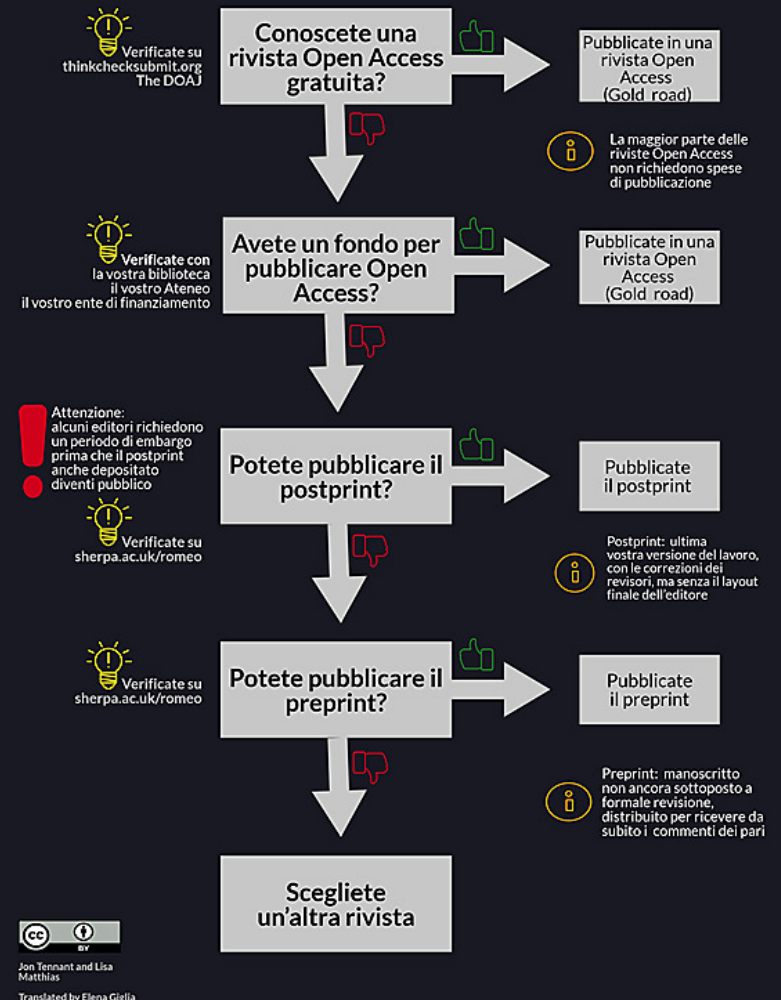
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COME RENDERE LA VOSTRA RICERCA OPEN ACCESS

LEGALMENTE E GRATUITAMENTE



Impatto sociale e valutazione

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

Analysis

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

Publication

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

Writing

- Write / code
- Visualize
- Cite
- Translate

Impatto sociale e valutazione: possibili pratiche

engage in
open peer review

create and maintain
an online
researcher profile

communicate
with experts,
non-expert scientists,
lay-public

refuse to be part of
all male or all white
panels

assessment of scientists
based on a variety
of contributions,
not just H-index

use metrics of
commercial /social
applications to
assess research

Impatto sociale e valutazione: possibili strumenti

PROVATE LA OPEN PEER
REVIEW



The screenshot shows the Peerage of Science website. At the top, there is a navigation bar with links: Home, Solutions, How it works, Peers, Journals, ProcPoS, and FAQ. Below the navigation bar, the main heading reads "A free service for scientific peer review and publishing" followed by the tagline "Your science, your call". A prominent button says "Submit Your Manuscript". Below this button are links for "Review examples" and "Sign up". On the right side of the page, there is a video player with a play button icon. The video title is "Few words about Peerage of Science" and the speaker is identified as "Prof. Mark Burgman, University of Melbourne".

ASPETTI DA
CONSIDERARE

PubPeer

Timing



Criteria

BMJ



Credit

BioMed Central

Names published

Re

THE PRO INITIATIVE
for open science

We believe that openness and transparency are core values of science. For a long time, technological obstacles prevented transparency from being the norm. With the advent of the internet, however, these obstacles have largely disappeared. The promise of open research can finally be realized, but this will require a cultural change in science. The power to create that change lies in the peer-review process.

Suggest that, beginning January 1, 2017, reviewers make open practices a pre-condition for more comprehensive review. This is only in reviewers' power: to drive the change, all that is needed is for reviewers to collectively agree that the time for change has

Read the paper
about the
PRO initiative

COME REVISORI, CHIEDETE
PRATICHE APERTE (E I DATI)

Impatto sociale e valutazione: possibili strumenti

CONDIVIDETE I POSTER



F1000Research
Open for Science

Search

BROWSE GATEWAYS HOW TO PUBLISH ABOUT BLOG

Articles F1000 Faculty Reviews Posters Slides Documents

FILTERS

1 - 20 of 297 POSTERS



Treating malnutrition in the community: feasibility study of use of the community health workers treating severe acute malnutrition in South Sudan

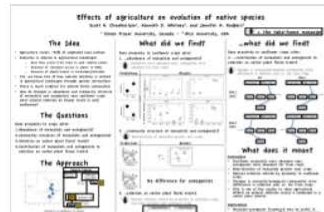


Report from pediatric resuscitation education working group of Japan Pediatric Society

Naoki Shimizu, Pediatric resuscitation education working group of Japan Pediatric Society

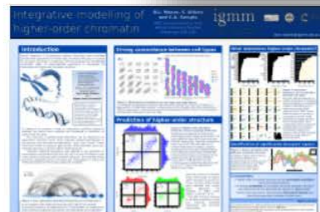
PUBLISHED 02 MAG 2018

Are unemployed individuals being excluded from participation in medical studies?



#ESA2012 poster
Scott Chamberlain

04/08/2012



Integrative modelling of higher order chromatin
Benjamin Moore

29/04/2015



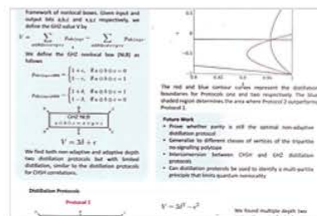
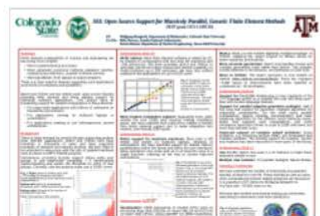
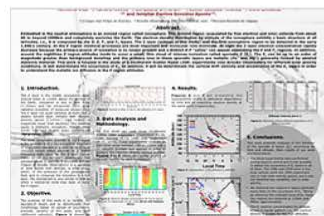
IBM day poster
Joe Cheri Ross

07/02/2017



Constraining the structure of the proton with proton-nucleus collisions
David Zaslavsky

17/10/2013



Impatto sociale e valutazione: possibili strumenti

CREATE VOCI DI
WIKIPEDIA SUI TEMI DI
CUI SIETE ESPERTI

Editing Wikipedia articles about Open Science

English	Español	Français	Italiano	Nederlands
article-level metrics	x	x	x	x
San Francisco Declaration on Research Priorities	x	Déclaration de San Francisco	x	Verklaring van San Francisco
H-index	Índice h	Indice h	Indice H	H-index
Impact factor	Factor de impacto	Facteur d'impact	Fattore di impatto	Impactfactor
x	x	x	x	x
Open peer review	x	x	x	x
Peer review	Revisión por pares	Évaluation par les pairs	Revisione paritaria	Peerreview
Framework Program	x	Programme-cadre	x	x
x	Horizonte 2020	Horizon 2020	Horizon 2020	x
Netherlands Organisation for Scientific Research	x	x	x	Nederlandse Organisatie voor Wetenschappelijk Onderzoek
Science Europe	x	x	x	x
Funding of science	Financiamiento de la ciencia	Financement de la recherche	x	Geldstroom (wetenschap)
x	x	x	x	ZonMW
Crossref	x	CrossRef	x	x
DataCite	x	DataCite	x	DataCite
ORCID	ORCID	ORCID	Open Researcher and Contributor ID	ORCID

Improve plain
language
information
about your
topics. Link to
important
literature.

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L'enciclopedia libera

Pagina principale
Ultime modifiche
Una voce a caso

azioni

à

ne

Strumenti



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[nascondi]

Open access

Da Wikipedia, l'enciclopedia libera.

(EN)

« Open Access literature is digital, online, free of charge, and mostly free of copyright and licensing restrictions »

(Peter Suber, *Open access overview: Focusing on open access to peer reviewed research articles and their preprints*, 2004.)

L'**open access** (in italiano, **accesso aperto**) è una modalità di pubblicazione del materiale prodotto dalla *ricerca*, come ad esempio gli *articoli scientifici* pubblicati in *riviste accademiche* o atti di conferenze, ma anche capitoli di libri, monografie, o dati sperimentali; che ne consente accesso libero e senza restrizione^[1]. Data la contrapposizione del modello di pubblicazione ad accesso aperto rispetto a quello classico, nel quale tipicamente le *case editrici accademiche* detengono *diritti esclusivi* sul materiale e ne vendono *abbonamenti* e licenze, l'espressione indica anche il movimento che sostiene e promuove la strategia ad accesso aperto. In un'accezione ancor più ampia, il termine esprime la libera disponibilità online di contenuti digitali in generale e riguarda l'insieme della conoscenza e della creatività

alla *proprietà intellettuale*.

(IT)

« La letteratura Open Access è digitale, online, gratis, e per la maggior parte libera da copyright e restrizioni legali »



Il logo Open Access, creato originalmente dalla Public Library of Science

Impatto sociale e valutazione: possibili strumenti

AGGIUNGETE AL VOSTRO
PROFILO LE METRICHE
ALTERNATIVE CON ALTMETRIC
BOOKMARKLET O IMPACT STORY.
TENETE TRACCIA DI COSA DICE DI
VOI LA SOCIETÀ E I COLLEGHI

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 **Ethan White**   
University of Florida Associate Professor

[OVERVIEW](#) [ACHIEVEMENTS](#) [TIMELINE](#) [PUBLICATIONS](#)

ACHIEVEMENTS

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TIMELINE

5064

Online mentions
over 1 years

PUBLICATIONS

 **Best Practices for Scientific Computing**
2014

2671          

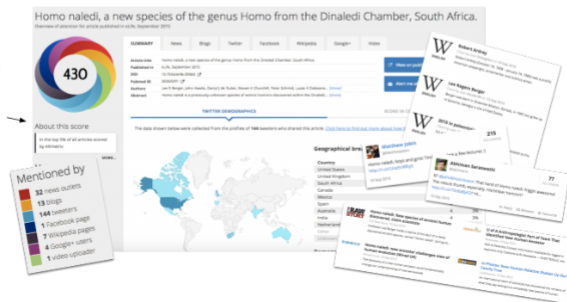
 **The Case for Open Preprints in Biology**
2013

532          

 **Elevating The Status of Code in Ecology**
2016

173          

collated record
all of the online
shares and
mentions of your
research



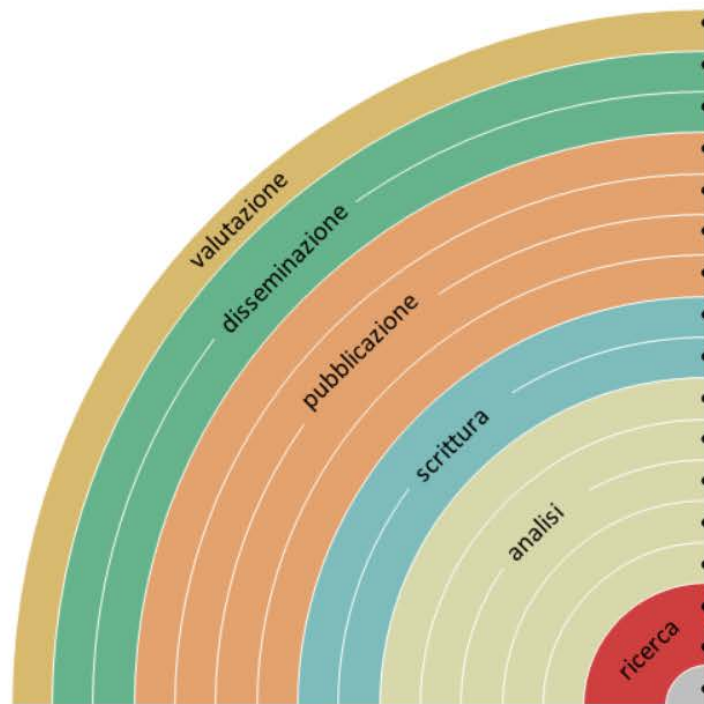
Impatto sociale e valutazione: possibili strumenti

CREATE E MANTENETE UN
VOSTRO PROFILO DA
RICERCATORE
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ORCID FUNZIONA CONE UN
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L'arcobaleno della Open Science

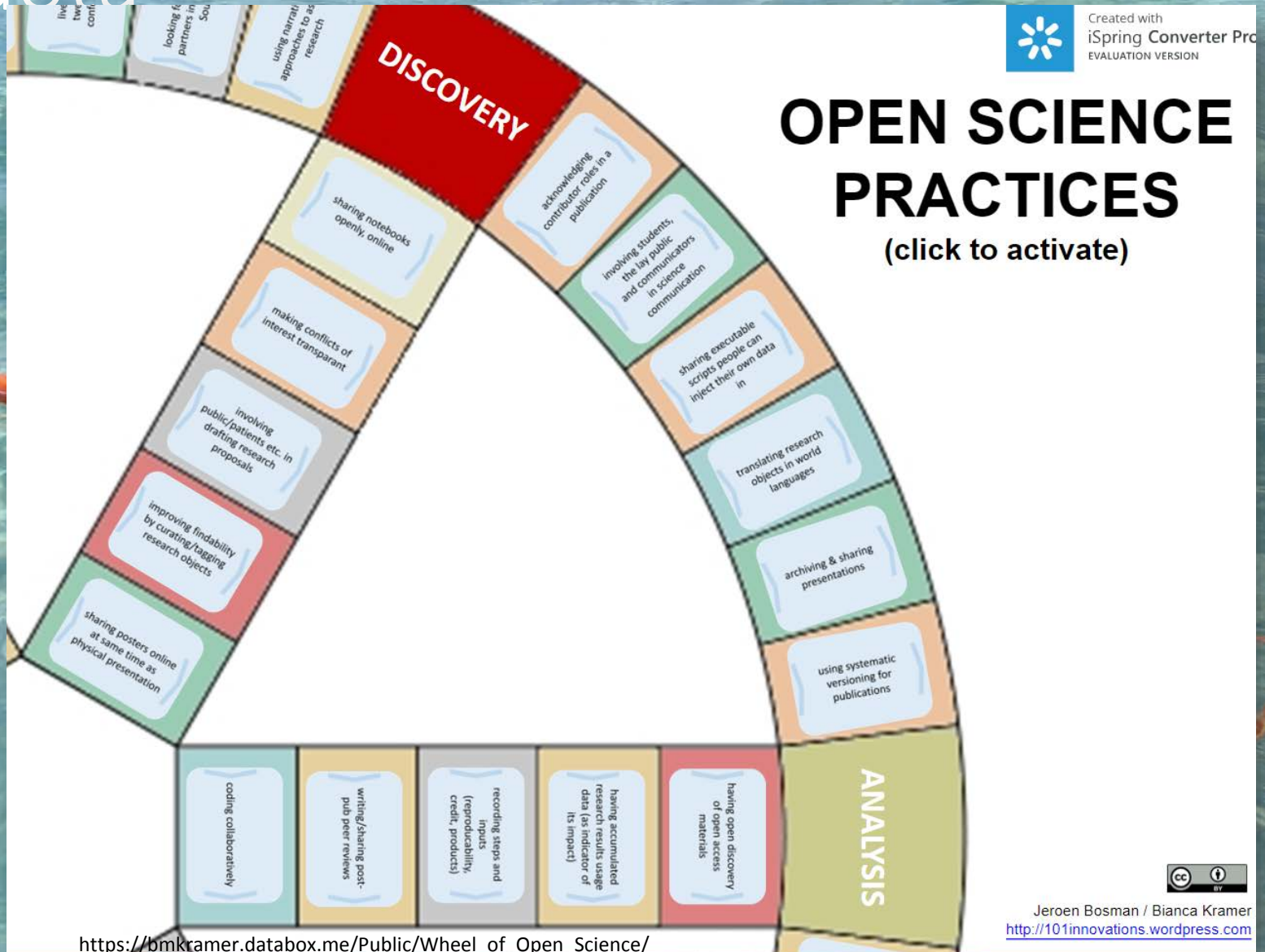
Come puoi rendere Open ogni passo della ricerca...



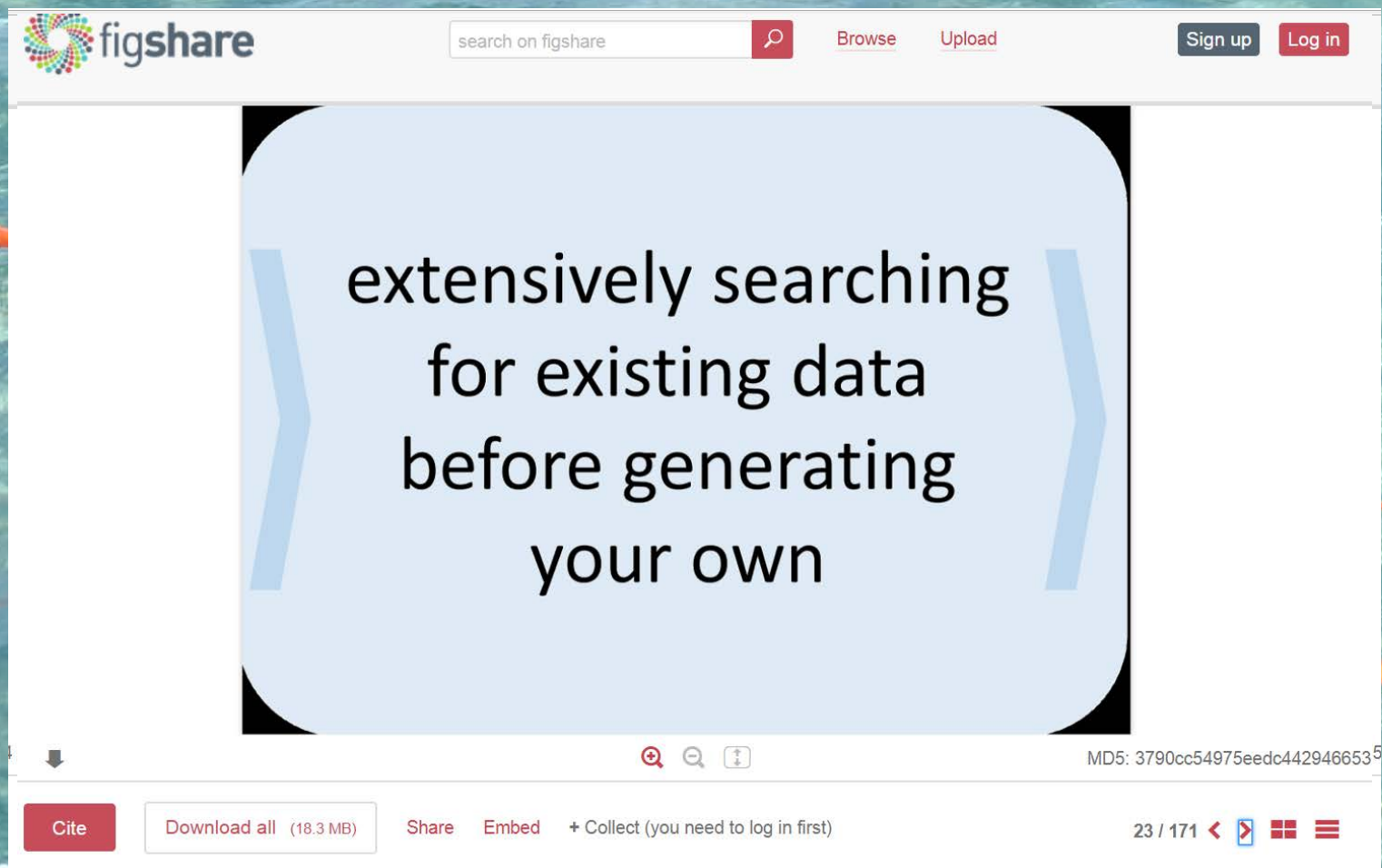
- aggiungendo misure di impatto alternative, es. altmetrics
- comunicando sui social media, es. Twitter
- condividendo poster e presentazioni, es. su FigShare
- utilizzando licenze aperte, es. Creative Commons BY
- depositando in archivi o pubblicando su riviste Open
- provando la open peer review, es. 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



... e se non vi bastano questi, c'è
la ruota



... e se non vi bastano questi, ci sono le immagini singole



The screenshot shows a web browser displaying a Figshare article. The page has a white header with the Figshare logo on the left, a search bar in the center, and 'Browse' and 'Upload' links on the right. On the far right of the header are 'Sign up' and 'Log in' buttons. The main content area features a large, light blue rounded rectangle with the text 'extensively searching for existing data before generating your own' in black. Below this rectangle, there are icons for download, search, and information. At the bottom of the page, there is a navigation bar with buttons for 'Cite', 'Download all (18.3 MB)', 'Share', 'Embed', and '+ Collect (you need to log in first)'. On the right side of the navigation bar, it shows '23 / 171' and some window control icons. The MD5 hash 'MD5: 3790cc54975eedc4429466535' is visible in the bottom right corner of the article content area.

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23 / 171

... e per finire



California Management Review Jan. 2018

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Open Innovation: Research, Practices, and Policies
[Marcel Bogers](#), [Henry Chesbrough](#), [Carlos Moedas](#)
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Abstract

Open innovation is now a widely used concept in academia, business, and policy making. This article describes the state of open innovation at the intersection of research, practice, and policy. It discusses some key trends (e.g., digital transformation), challenges (e.g., uncertainty), and potential solutions (e.g., EU funding programs) in the context of open innovation and innovation policy. With this background, the authors introduce select papers published in this Special Section of *California Management Review* that were originally presented at the second annual World Open Innovation Conference, held in Santa Clara, California, in December of 2015.

Keywords
[innovation](#), [policy making](#), [public policy](#), [Europe](#), [open innovation](#)



... e per finire

Citizen science

https://it.wikipedia.org/wiki/Citizen_science

Da Wikipedia, l'enciclopedia libera.

Il termine ***citizen science*** (letteralmente, *scienza dei cittadini* in [inglese](#)) indica quel complesso di attività collegati ad una [ricerca scientifica](#) a cui partecipano semplici cittadini.

Tipologie di attività [[modifica](#) | [modifica wikitesto](#)]

Poiché la Citizen science si pratica in numerosi campi e in svariate discipline scientifiche sono stati proposti differenti ambiti di intervento e attività.

Una classificazione in termini di impegno da parte dei partecipanti è stata proposta da Muki Hacklay in Citizen Science and Policy: A European Perspective^[18] che riconosce i seguenti tipi di attività:

- Rilevazioni passive (Passive sensing): si basa sul fatto che i partecipanti mettono a disposizione una risorsa (ad esempio il proprio cellulare o uno spazio del proprio cortile) per effettuare delle rilevazioni in automatico mediante sensori appositi. Le informazioni ottenute vengono quindi inviate agli scienziati per una loro analisi e utilizzo. Un tipico esempio è [Flightradar24](#) in cui le informazioni sui voli attivi in una determinata area vengono forniti da volontari che hanno installato presso le loro case dei ricevitori ADS-B che ricevono segnali inviati dai trasponder dei velivoli.
- Volunteer Thinking : in cui i partecipanti contribuiscono al progetto utilizzando le proprie abilità nel riconoscere forme o analizzare informazioni, Generalmente in questo tipo di progetto i compiti sono abbastanza standardizzati in modo che i risultati rivenienti da diversi partecipanti possano essere facilmente comparati, Un tipico esempio di questo tipo di progetti è rappresentato da [Galaxy Zoo](#) nel quale centinaia di migliaia di partecipanti hanno classificato galassie con i loro computer aiutando gli astronomi nelle loro ricerche.
- Osservazioni ambientali ed ecologiche: progetti focalizzati sul monitoraggio ambientale o su osservazioni riguardanti la flora e la fauna. Un esempio è rappresentato dal progetto britannico Big Garden Birdwatch per l'osservazione e l'identificazione di uccelli con lo scopo finale di far acquisire una consapevolezza sugli aspetti di conservazione della natura e dei vari tipi di uccelli. Nel 2017 è stato lanciato un progetto europeo gruppo di ricercatori dell'[Università di Berna](#) per la mappatura della farfalla [Vanessa atalanta](#) che è nota per la sua migrazione nel continente europeo, i cui avvistamenti da parte di appassionati entomologi potranno essere comunicati tramite un sistema di portali web e applicazioni sviluppate per i dispositivi mobili^[19].
- Rilevazioni partecipate (Participatory sensing): è una tipologia simile alla precedente ma i partecipanti hanno un maggiore controllo sui processi. Un esempio è il progetto EveryAware in cui i partecipanti hanno usato i loro smartphone per monitorare il livello di rumore nei pressi dell'aeroporto Heathrow di Londra mediante un software fornito dagli organizzatori del progetto.
- Scienza civica e di comunità (Civic/Community science): in cui il progetto è iniziato e guidato da gruppi di partecipanti che identificano un problema che li riguarda. Un esempio è il progetto SafeCast emerso a seguito del terremoto di Fukushima per sviluppare un rilevatore fai-da-te (DIY) di radiazioni che i cittadini potessero usare nella loro vita quotidiana. La proposta è culminata nell'implementazione di un rilevatore a basso costo con il quale vengono forniti dati al sito di riferimento del progetto.

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In UnitO Come Cos'è utile P

EOSC, il futuro della ricerca europea

EOSC, European Open Science, è un progetto che coinvolge i fornitori di dati e fornitori di servizi per coniugare al meglio ricerca e investimento da oltre 4 miliardi di euro per partecipare

EOSC pilot

Eventi

Futuri

- Open Science dalla A alla Z (Torino, 20 ottobre 2015)
- Open Science A to Z (Torino, 20 ottobre 2015)
- Reproducible and Transparent Research (Torino, 20 ottobre 2015)

Conclusi

- Valutazione della ricerca e se il progetto HIRMEOS (Torino, 20 ottobre 2015)
- Open Science: what's in it for you (Torino, 20 ottobre 2015)
- Open Research Data Management (Torino, 20 ottobre 2015)
- FAIR data management: best practices (Torino, 20 ottobre 2015)
- Open justice e open science: i casi (Torino, 20 ottobre 2015)
- Open Science and Open Research (Torino, 20 ottobre 2015)
- OpenAIRE: a platform to support research data management (Torino, 20 ottobre 2015)
- Il blogging accademico con HIRMEOS (Torino, 20 ottobre 2015)
- Data Management Plans, privacy and security (Torino, 20 ottobre 2015)
- Open research data: creating bridges for open science - Open CON 2015 satellite event (Bologna, 10 novembre 2015)
- Immagini e testi online: il diritto d'autore alla prova del web (Torino, 20 ottobre 2015)
- Open Science: orizzonti e strumenti (Torino, 22 ottobre 2014)
- Il Regolamento Open Access di Ateneo - Presentazione (Torino, 28 novembre 2013)
- Scienze umane e sociali e Open Access: prospettive e opportunità (Torino, 22 ottobre 2013)
- Comunicazione scientifica e Open Access: opportunità per una scienza che cambia (Torino, 24 ottobre 2012)
- Open Access: logiche e vantaggi - Una mostra in 14 posters (Torino, 24-30 ottobre 2012)
- Open Access, archivi istituzionali e valutazione della ricerca (Torino, 24 ottobre 2011)
- Optimizing scholarly and scientific communication in the digital age (Torino, 12 maggio 2011)
- Diritto d'autore, Open Access e depositi istituzionali (Torino, 3 febbraio 2011)
- Open Access e conoscenza aperta (Torino, 18 ottobre 2010)

Ultime novità

- **Risorse sugli open research data** (marzo 2018)
- **LEARN Project - Research Data Management Toolkit** 4 aprile 2017
- **GdL Dati della ricerca - Modello di Policy per la gestione dei dati della ricerca** 29 marzo 2017
- **Bibliografia in lingua italiana** (agosto 2017)
- **Dati e cifre sull'Open Access in Italia - 2015**



...niente batte
Twitter!!!

Open Access

A photograph of three golden retriever puppies on a red brick floor. One puppy is in the center, looking up at the camera. Two other puppies are on the left and right, also looking towards the camera. The puppies are fluffy and light-colored.

...per riassumere

PARTECIPARE, ANCHE
CON PICCOLI PASSI

OPEN SCIENCE È ADESSO

FARE OPEN SCIENCE E
FARLO CORRETTAMENTE
È FACILE

AIUTARE A CREARE LA
«CULTURA»
DELLA OPEN SCIENCE

GUARDARE UN PO' OLTRE
I CONFINI
(E OLTRE ANVUR)

NON PERDERE
L'OCCASIONE DI EOSC

A photograph of a wooden sign placed on a brick patio. The sign is made of several vertical wooden planks and features a quote in bold, black, sans-serif capital letters. The quote reads: "IF YOU ARE NOT DOING WHAT YOU LOVE, YOU ARE WASTING YOUR TIME." The sign is positioned in front of a wooden bench. The background consists of a brick wall and a brick patio.

**"IF YOU ARE NOT
DOING WHAT
YOU LOVE,
YOU ARE
WASTING
YOUR TIME."**

... buon lavoro!