

The case for a more just language science – Open science with the OSF

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23 May 2020

Heads-up

- We don't have our own OSF meeting yet
- This will be a *short overview/introduction* to the core ideas of openness
- Try to see this presentation in the context of the COVID-19 induced lockdown
- Try to open a debate, since that's what I've been missing at online conferences so far

Open Access, Open Source, Open Science

- Open Access (OA)
 - "Open access (OA) means free and unrestricted online access to scientific and scholarly information."¹
- Open Source
 - "Open source software is made by many people and distributed under an OSD-compliant license which grants all the rights to use, study, change, and share the software in modified and unmodified form."²
- Open Science
 - "Open science is the idea that scientific knowledge of all kinds should be openly shared as early as is practical in the discovery process."³
- Open Data
 - "Open data and content can be freely used, modified, and shared by anyone for any purpose"⁴

¹<https://open-access.net/>; ²<https://opensource.org/osd>;

³<http://michaelnielsen.org/blog/open-science-2/>; ⁴<http://opendefinition.org/>

Some examples

Go to www.menti.com and type in the code 72 24 29

Which platforms do you already know?

Tools to *achieve* open science?

- GitHub
- Zotero-Groups
- L^AT_EX(on Overleaf)
- Open Science Framework
- Personal websites, e.g. blogs
- Professional websites (easy with Google Sites, Wordpress, GitHub, etc.)
- ... and many more ...

"Closed" science

Because of this:

TheScientist
EXPLORING LIFE, INSPIRING INNOVATION

Home / News & Opinion

Universities in Germany and Sweden Lose Access to Elsevier Journals

Consortia in both countries are pushing for open-access subscriptions with the publisher.

<https://www.the-scientist.com/news-opinion/universities-in-germany-and-sweden-lose-access-to-elsevier-journals-64522>

"Closed" science

And this:

The screenshot shows a ScienceDirect article page with a white overlay box. The overlay contains the text "Choose an option to locate/access this article:" and three buttons: "Access via your institutional login" (teal), "Access via your institutional email" (white with teal border), and "Purchase PDF \$39.95" (orange). The word "or" is positioned between the first two buttons. In the background, the article title "The functional neuroanatomy of prelexic language" is visible, along with the authors "G. Hickok and D. Poeppel" and the journal information "May-June 2004, pp.". The top navigation bar includes "Get Access", "Share", "Export", and a search bar for "ScienceDirect".

An article on <https://www.sciencedirect.com/>

"Closed" science

Lastly, this too:

An initiative that aims to validate the findings of key cancer papers is being slowed by an unexpected hurdle — problems accessing data from the original studies.

<https://www.nature.com/news/sluggish-data-sharing-hampers-reproducibility-effort-1.17694>

Open vs Closed

→ The terms of *openness* are used as antonyms of *closedness*.

What is the Open Science Framework?

- An open access platform run by the Center for Open Science (COS)
- A (social) network that allows collaboration and communication between scientists
- A data storage platform for group-internal (private) collaboration
- (A location to host online conferences at, e.g. CUNY 2020 and GLOW 43)

Functions

- Store data for projects, e.g. additional materials for papers
- High level of flexibility within own projects
- Creates DOIs for projects
- Share (un)published work free of charge
- Provide additional and helpful materials to your projects
- Allows comments by the community, which can extend to proper QAs
- Allows collaborations within a project group
- Easy (institutional) access
- Very responsive support team
- Spares using ResearchGate, Academia.edu
- Linking and creating a workflow with other platforms, e.g. GitHub
- ...

A mini excursion: How to do open science

- 1 Go to <https://osf.io/>
- 2 Sign up for an account (try ORCID or institution if you can)
- 3 Go to <https://osf.io/gr5w7/>
- 4 Click on ... (top right corner) and request access.
- 5 Use this as your playground.
- 6 Try the chat (top right corner), upload and modify files ...
- 7 Now you have an account. It's a start :)

Ideas

- Open science is necessary in order to tackle closed science.
- Open science makes your work more accessible.
- Open science makes working easier for you.
- We're on the right path, but it's a long one (next slide).

The right direction

“After 1 January 2020 scientific publications on the results from research funded by public grants provided by national and European research councils and funding bodies, must be published in compliant Open Access Journals or on compliant Open Access Platforms.” Schiltz 2018

Starting points

A true guide for developing an open research workflow with the OSF (click it, it's a link)

Marc Schiltz (2018): Science Without Publication Paywalls: cOAlition S for the Realisation of Full and Immediate Open Access.
<https://doi.org/10.3389/fnins.2018.00656>