

Open Science in France

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for the Director general of research and innovation
Ministry of Higher Education, Research and Innovation - FRANCE



MINISTÈRE
DE L'ENSEIGNEMENT SUPÉRIEUR,
DE LA RECHERCHE
ET DE L'INNOVATION



NATIONAL PLAN FOR OPEN SCIENCE

4TH JULY 2018

#openscience

 esr.gouv.fr



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ET DE L'INNOVATION

Digital Republic Law

October 2016

1. Publications : a new *right* for authors

Article 30 : When a research is 50% publicly funded, the author retains the right to publish in open repositories 6 (STM) to 12 months (HSS) after publication.

2. Data : a new *duty* for universities and research performing organizations

Article 6 : open data should be the default for all publicly funded data, including research.

Open Access

1. Make open access **mandatory** for projects
when publishing articles and books resulting from government-funded calls for projects. Example : ANR.
2. Create a **National Open Science fund**
3. Support the **HAL national open repository**

And simplify the publication filing procedures for researchers who publish through open access platforms around the world (ArXiv, Plos, ...).



National Open Science Fund

- Aim : support open access, develop bibliodiversity
- Budget : starting at 3,6M€ in 2019 with 1M€ coming from Elsevier savings and 500K€ from CNRS.
- Call for projects will be published in December.

Principles for Open Scholarly Infrastructures

23 FEBRUARY 2015

14 COMMENTS

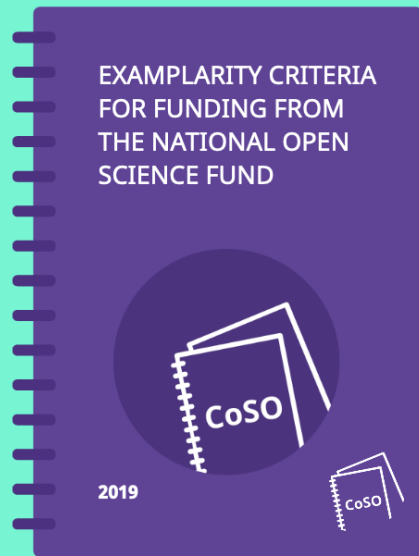
Cite as “*Bilder G, Lin J, Neylon C (2015) Principles for Open Scholarly Infrastructure-v1, retrieved [date], //dx.doi.org/10.6084/m9.figshare.1314859*”

infrastructure |'ɪnfɹəstrʌktʃə| (*noun*) – the basic physical and organizational structures and facilities (e.g. buildings, roads, power supplies) needed for the operation of a society or enterprise. – *New Oxford American Dictionary*

Everything we have gained by opening content and data will be under threat if we allow the enclosure of scholarly infrastructures. We propose a set of principles by which Open Infrastructures to support the research community could be run and sustained. – Geoffrey Bilder, Jennifer Lin, Cameron Neylon

Over the past decade, we have made real progress to further ensure the availability of data that supports research claims. This work is far from complete. We believe that data about the research process itself deserves exactly the same level of respect and care. The scholarly community does not own or control most of this information. For example, we could have built or taken on the infrastructure to collect bibliographic data and citations but that task was left to private enterprise. Similarly, today the metadata generated in scholarly online discussions are increasingly held by private enterprises. They do not answer to any community board. They have no obligations to continue to provide services at their current rates, particularly when that rate is zero.

EXAMPLARITY CRITERIA for funding from the National Open Science Fund



Download

COMMITTEE NOTES

The criteria are intended to guide the choice of investments to be made under the National Plan for Open Science and the National Open Science Fund in terms of platforms, infrastructure and editorial content. The 44 criteria are classified in three levels - essential, highly recommended and desired.

Open Access in general and Plan S in particular : one size does not fits all

- We recommend the co-existence of different roads:
 - in an open archive that is permanent and recognized by the various scientific communities (“**green mode**”);
 - open access publishing based on fair, transparent, and economically sustainable business models
 - With publication fees (“**gold APC mode**”).
 - Without publication fees (“**diamond**” mode);

Research Data

- Create the position of National Chief Research Data Officer
- Create a network of Research Data Officers within the research institutions.
- DMP becomes mandatory
 - <http://dmp.opidor.fr>

ANR Flash call for open science and research data (2019)

- 2,3M€
- 25 projects selected

The screenshot shows the ANR (Agence Nationale de la Recherche) website. The header includes the ANR logo, navigation links for 'RESEARCH PROJECTS' ACTORS', 'PUBLIC AND PRIVATE INSTITUTIONS', and 'JOURNALISTS', a 'submit a proposal' button, and language options (FR, EN) along with social media icons for Twitter and LinkedIn. A blue navigation bar contains links for 'ANR's role in research', 'Calls for proposals', 'Funded projects and Impact', 'Investments for the Future', 'News', and 'Contact'. The main content area shows the breadcrumb 'Home / Calls for proposals', social media icons for Facebook, Twitter, LinkedIn, and Google+, and a 'Selected - 2019' filter. The main heading is 'FLASH CALL Open Science: research practices and open research data'. Below this, a paragraph describes the call's purpose: 'The Flash call, announced in the French national open science plan, represents an opportunity to accelerate the maturity of the various disciplinary communities with regard to the challenges of structuring, accessibility, reuse, interoperability, citation, sharing and openness of research data. This call is more broadly in line with the European and international open science movement, and also has the ambition to strengthen French participation in initiatives such as the European Open Science Cloud (EOSC), GOFAIR, Research Data Alliance (RDA), SCOSS, etc.' The bottom of the page shows the start of another paragraph: 'The objective is to request the scientific community itself to propose, field by field, discipline by discipline, specialty by specialty, as to'. On the right side, there is a 'Latest news' section with three items: 'Webinaires sur les axes de l'AAPG 2020 : les présentations sont en ligne', 'Publication du cahier n°10 de l'ANR sur les « Risques et Catastrophes Naturels »', and 'Pre-announcement: an international call in Nanomedicine'.

OUVRIR

LA SCIENCE !

French Open Science Committee

Comité pour la science ouverte

President : Bernard Larrouturou

Director-General for Research and Innovation

French Open Science Committee

Comité pour la science ouverte

14 people

A - Open Science
Steering committee

Director general for research and innovation
+ Presidents of major research performing
organisations + Presidents of major
universities

24 people

B - Open science Executive board

Representative from all organisations in the
board + experts coming from the permanent
groups.

80 people

C- Open Science working groups

4 groups : Publications, Research data, Skills,
European and International coordination.
Special interest groups as often as needed.

300 people

D - Online Open Science Forum

Public call for interest. 50% researchers. 41%
STM. 48% universities. 55% women.

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LA SCIENCE !

Missions of the French Open Science Committee

- *A – Open Science Steering Committee*

Make decisions about

- National Open Science Fund,
- Funding mechanisms,
- Policies and priorities.

- *B – Executive board*

Coordinate institutions in order to implement the National Open Science Plan.

- *C – Working Groups*

Recommandations, user guides, advices, best practices, concerning the different topics of the National Open Science Plan.

- *D – Open Science Forum*

- Feedbacks about the documents produced by the groups
- Questions and ideas coming from the research communities.

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LA SCIENCE !



41% of French publications in open access

DISCOVER

Committee groups



SEE GROUPS



Speech of
Frédérique VIDAL
July 2018



See more

"Science is a common good, which we must share as widely as possible. The role of public authorities is to restore the initial function of science as a factor of collective enrichment."

Frédérique Vidal
Minister of Higher Education, Research and Innovation

Blog

SEE BLOGS

WATCH 16/07/2019

French ORCID community consortium launched

The Ministry of Higher Education, Research and Innovation's Open Science Committee has commissioned the Cispert consortium to lead a consortium membership in ORCID (Open Researcher and Contributor Identifier) on behalf of French institutions, especially higher education and research institutions. This...

NEWS FROM COMMITTEE 16/02/2019

Creation of the National Open Science Fund

The Open Science Steering Committee, the decision-making body of the Open Science Committee, will launch a call for projects in September for actions in favour of scientific publishing and publications. This call has a budget of €2.6 million, part of...

NEWS FROM COMMITTEE 16/07/2018

41% of French publications in open access

The French Open Science Monitor was a commitment announced by the National Open Science Plan and its first issue has now been published. Its primary objective is to measure the open access (OA) share of French scientific publications, which amounts...

NEWS FROM COMMITTEE 16/06/2019

Practical guide for international harmonization of search data management

Quality research data are key elements of the research process. They should be available at all times, publicly and free of charge for possible reuse, for most cases, various institutions, from research leading research to publishers, have endorsed a common...



Home > Resources

Resources

Most ask :



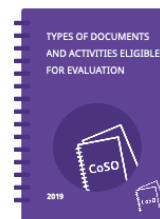
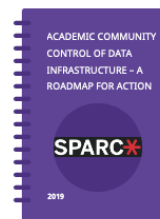
Open science is the practice of making research publications and data freely available. It takes advantage of the digital transition to develop open access to publications and, to the fullest extent possible, to research data.



Filter

All resources (56)

- Databases (1)
- Websites, blogs & forum (3)
- Studies & reports (18)
- Legal guides (4)
- Infrastructures (2)
- Norms & protocols (1)
- Committee notes (6)
- Tools (2)
- Public policies (8)
- Founding text (11)



Years

- 2019 (29) · 2018 (9) · 2017 (1)
- 2016 (1) · 2015 (3) · 2012 (2)
- 2007 (1) · 2003 (2) · 2002 (1)





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The French Open Science Monitor

An open monitor for open science

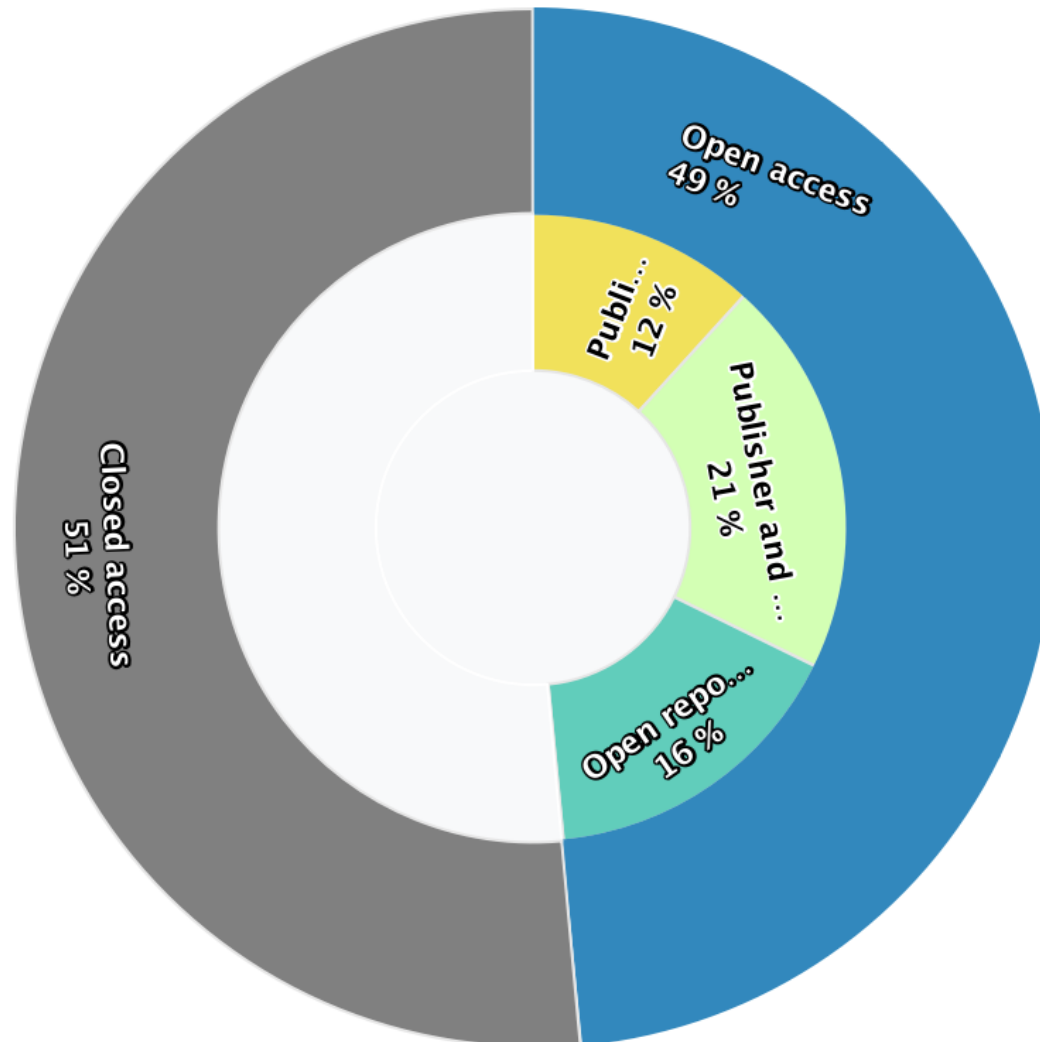
The French Open Science Monitor aims at measuring progress in open access to scientific resources: publications, code, data. Its implementation is part of the French National Plan for Open Science and the Action Plan for France as part of the Open Government Partnership (OGP). First published by the French Ministry of Higher Education, Research and Innovation in 2019, it focuses to date only on scientific publications.

Unlike the European Commission's Open Science Monitor, the French Open Science Monitor is built from open data (from Unpaywall, a global database of metadata on scientific publications that provides information on the openness status of publications) using an open methodology. Thus, the data underlying the French Open Science Monitor is made available under an open license, its code is open and its methodology is presented in detail in a publication itself in open access.

Share of 2018 publications that are open access (measured in 2019)

estimated based on detected publications with a french affiliation

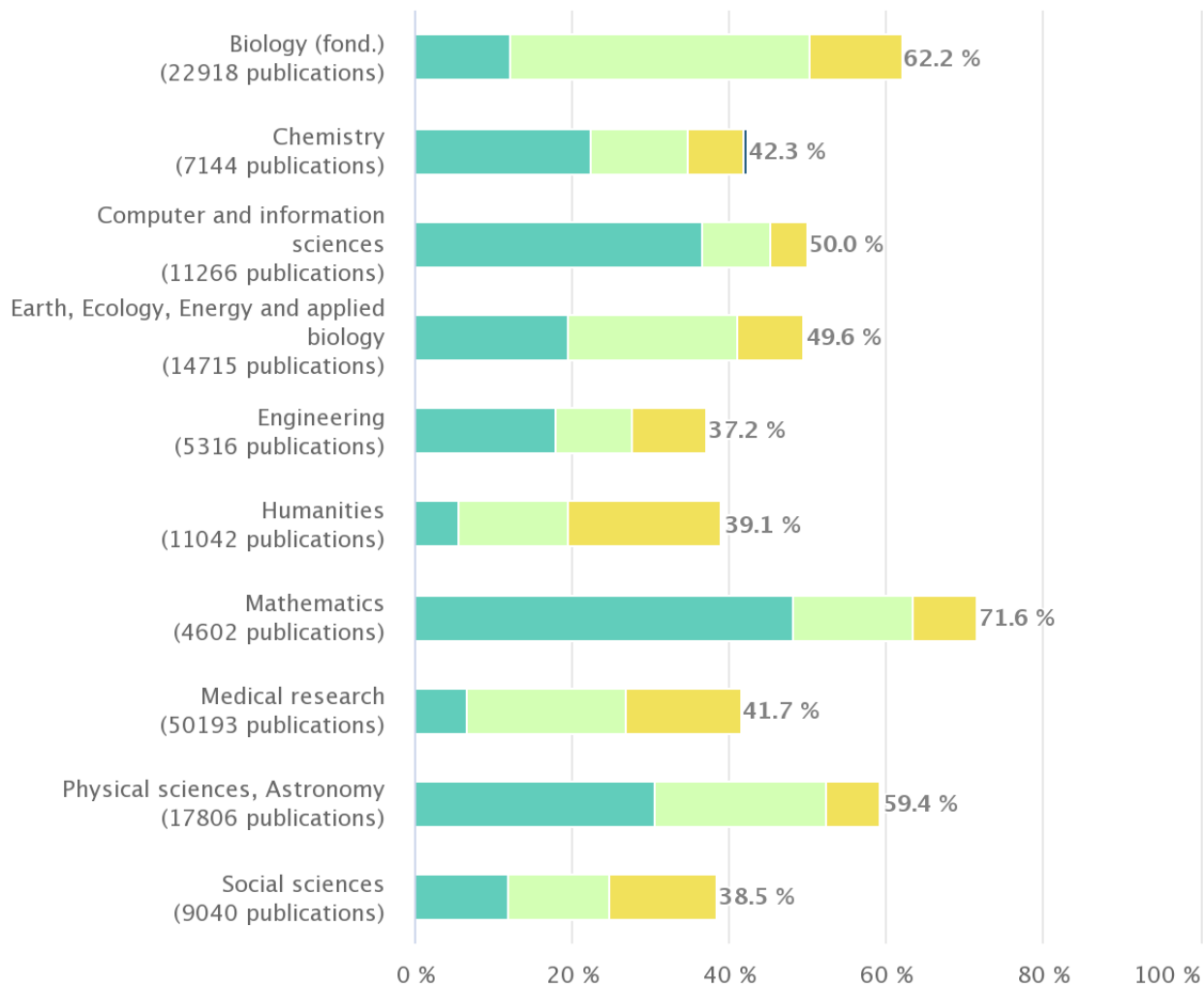
Source: Unpaywall, local processing



Open access to 2018 publications per discipline (measured in 2019)

estimated based on detected publications with a french affiliation

Source: Unpaywall, local processing



Host type

● Publisher

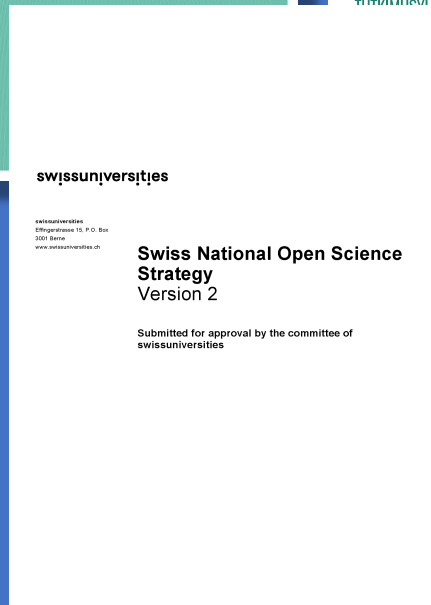
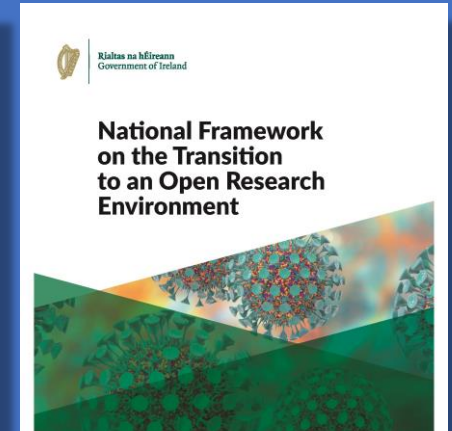
● Publisher and repository

● Open repository

● Unknown

The need for international coordination

We are building national open science plans



Council for National open science coordination

CoNOSC

[HOME](#) [OUR MISSION](#) [CHAIR ET COCHAIRS](#)

CONOSC

Council for National open science coordination



On 21 October 2019, in Helsinki, France, the Netherlands and Finland invited representatives of the ERAC countries to discuss the creation of a network of open science coordination. The program of the day is included. Twenty-one countries were present, as well as the European Union. Participants agreed that it was necessary to create such a network to enable the coordination of national efforts in the field of open science.

The objectives and organizational principles of this network, which we have named 'Council of National Open Science Coordination' (CoNOSC), are specified in the attached Memorandum of Understanding. Here is the summary:

- CoNOSC helps to fill in the gaps in national open science coordination.
- CoNOSC will provide a valuable insights through the dialogue with other international partners.
- CoNOSC membership is in principle open to all countries within the European Research Area.





Our mission

Helping countries to create, update and coordinate their national open science policies
Helping countries to create, update and coordinate their national open science policies



Coordinate

CoNOSC will bring together individuals and organisations coordinating open science at national level in Europe.



Fill the gaps

CoNOSC helps to fill in the gaps in national open science coordination.



Dialogue

CoNOSC will provide a valuable insights through the dialogue with other international partners.



European Research Area

CoNOSC membership is in principle open to all countries within the European Research Area.

Open Science needs coordination

CoNOSC has been created by France, Finland and Netherlands

“The National level is an important connector of different Open Science initiatives at multiple levels of activity. CoNOSC will support national work for Open Science by connecting countries and other initiatives.”



Henriikka Mustajoki

HEAD OF DEVELOPMENT OPEN
SCIENCE

FEDERATION OF FINNISH LEARNED
SOCIETY

FINLAND

“CoNOSC will help countries to create, update and coordinate their national open science policies.”



Karel Luyben

DUTCH NATIONAL COORDINATOR FOR
OPEN SCIENCE

NETHERLANDS

“There is a need for open science coordination between countries at european level and beyond. CoNOSC is a real opportunity to accelerate and amplify the open science roadmap.”



Marin Dacos

OPEN SCIENCE ADVISOR

MINISTRY OF HIGHER EDUCATION,
RESEARCH AND INNOVATION

FRANCE

Embed our policies and views into WorldWide policies, such as OGP, G7, OECD, UNESCO...



Help to mutualise open science services and infrastructures



The Global Sustainability Coalition for Open Science Services (SCOSS)

- OpenCitations
- Directory of Open Access Books – DOAB
- Public Knowledge Project



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4TH JULY 2018

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Thank you !

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