

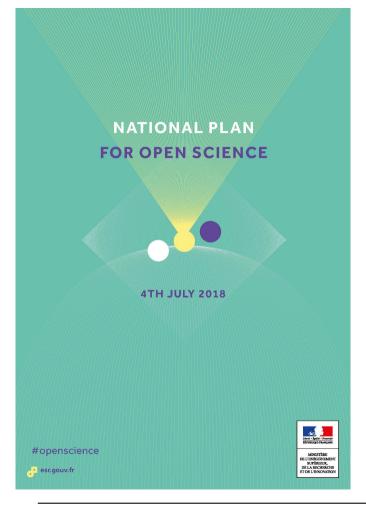
Liberté Égalité Fraternité

SOFTWARE IN THE FRENCH PLAN FOR OPEN SCIENCE

Roberto Di Cosmo (<u>roberto@dicosmo.org</u>, @rdicosmo)

Co-chair, Software and Source Code College,

French National committee for Open Science



Launch on 4 July 2018 by the Minister for Higher Education, Research and Innovation

- First Commitment : Generalise open access to publications
- Second Commitment: Structure research data and make it available through open access
- Third Commitment: Be part of a sustainable european and international open science dynamic



Governance:The Open Science Committee

Open science steering committee

Ministry of Higher Education, Research (MESR), research performing organisations, Universities, National Research Agency (ANR), Couperin consortium, High Council for Evaluation of Research and Higher Education (Hcéres)

Makes decisions, arbitrates the use of funds from the National Open Science Fund

Permanent secretariat for Open Science

MESRI, research performing organisations, Universities, ANR, Couperin consortium, Hcéres, ADBU, EPRIST, Colleges

Prepares decisions, proposes guidelines, monitors work

Colleges

Publications, Research Data, Skills and Training, Europe and International (72 membres from 44 institutions)

Investigate issues, propose guidelines, initiate and manage projects



Main achievements

- Creation of the **open science barometer**: measurement of the rate of French scientific publications in open access
- Progressive deployment of open science strategies within research performing organisations and universities, creation of a network of open science referents
- Training actions targeted at doctoral students: Passport to open science, practical guide for Phd students
- Contribution to the structuring and governance of the EOSC: structuring of EOSC France,
 French presence on the board and other EOSC governance bodies
- Support to international open science infrastructures: SCoSS labelled projects (DOAB, PKP, OpenCitations), RDA, Software Heritage

Software gets on the radar







English



Launch on 6 July 2021

French



- Multiplying the **levers for change** in order to **generalise** open science practices
- Structuring the policy for opening up or sharing research data
- New commitments to the **opening of source code** produced by research
- European and international inclusion in the context of the French Presidency of the European Union
- **Disciplinary and thematic variations**: open science policies must be adapted to disciplinary specificities



Governance:The Open Science Committee

Open science steering committee

Ministry of Higher Education, Research (MESR), research performing organisations, Universities, National Research Agency (ANR), Couperin consortium, High Council for Evaluation of Research and Higher Education (Hcéres)

Makes decisions, arbitrates the use of funds from the National Open Science Fund

Permanent secretariat for Open Science

MESRI, research performing organisations, Universities, ANR, Couperin consortium, Hcéres, ADBU, EPRIST, Colleges

Prepares decisions, proposes guidelines, monitors work

Colleges

Publications, Research Data, Skills and Training, Europe and International Software and Source code (23 members!)

Investigate issues, propose guidelines, initiate and manage projects



Path Three:

Opening up and promoting source code produced by research

Recognize and support the dissemination under an open source license of software produced by publicly funded research programmes

Highlight the production of source code from higher education, research and innovation

8

Define and promote an open source software policy

« The opening of software source code is a major challenge for the **reproductibility** of scientific results. »

« Distribution of software products under **open source licence** will be preferred. »



Define and promote an open source software policy

- Produce a National Charter for Open Source Software coming from higher education, research and innovation
- Develop the **link between data and software** through a network of **Chief Data Officers** in the various universities and research performing organisations.
- Develop the economic models of open source software and make them known within commercialization services
- Support Software Heritage and recommend it for the archiving and referencing of source code

Recognise source code as a contribution to research

- Create an open source research software prize
- Provide greater recognition for software production in the career of researchers, research support staff

Build an ecosystem that connects code, data and publications

• Develop **proper coordination** between software forges, open publication archives, data repositories and the scientific publishing sector.





French English



Software Heritage in the National Strategy of Research Infrastructures

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



March 8th 2022

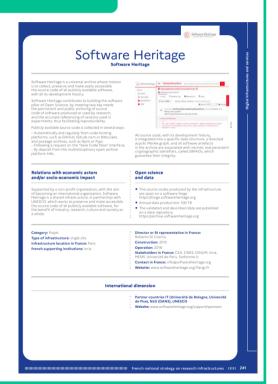
For the first time

Research infrastructures

for software

And not only software

for research infrastructures





The first national Open Science award for Research Software

2022 edition

- 120+ high quality submissions
- 4 prizes
- 6 accessit
- 4 categories (inclusiveness)
- awarded by the Ministry of Research





Institutionalised as an annual award

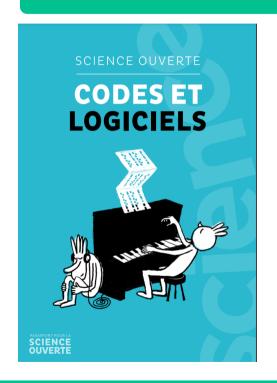
2023 edition now open, already inspired other countries (e.g. Australian award)

Detailed description and lessons learned forthcoming





Guide for PhD students



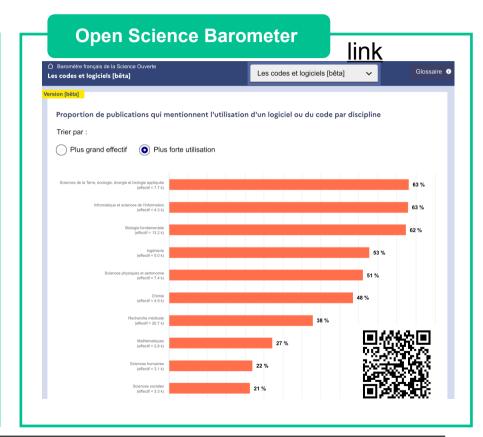
English

version

coming

soon!







Takeaway

- First research software policy institutionalised at national government level
- Strong commitment to put software on par with publications
- Clear vision to take into account all the complex facets of research software
- Desire to collaborate openly at the international level

Homepage: https://www.ouvrirlascience.fr/software-and-source-codes-college/

Come in, we're open

Questions?