Raising awareness to Open Science

Nadine Noiroux – Enora Tudal
April, 8th 2026
SCD Université Polytechnique Hauts-de-France

According to you, Open Science is…

https://app.wooclap.com/events/GKFLAK/live-session

Summary

1. What is Open Science?

1.1 Definition(s) and challenges:

Unesco's recommendation (2021):

«…open science is defined as an inclusive construct that combines various movements and practices aiming to make multilingual scientific knowledge openly available, accessible and reusable for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society, and to open the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community.»

Second French national plan for Open Science (2021-2024):

«Open science refers to the unhindered dissemination of results, methods and products from scientific research. It draws on the opportunity provided by recent digital progress to develop open access to publications and – as much as possible – data, source code and research methods. It is a means for publicly funded research projects to retain control over the results they produce. It builds an ecosystem in which science becomes better substantiated and more transparent, reproducible, effective and cumulative.»

Global initiative, new ways of conducting researches that transform scientific practices

1. What is Open Science?

1.2 International, national and local context:

International:

- **2002**: Budapest initiative
- **2003**: Berlin Statement
- **2022**: OSEC

National:

- **2016**: French law for a Digital Republic
- **2018 and 2021**: French national plans for Open Science
- **2022**: Recherche Data Gouv ecosystem

Local:

- **2021**: Open Science plan of UPHF INSA
- **2022**: Single-signature policy of UPHF INSA

1. What is Open Science?

1.3 Stakeholders of Open Science:

1. What is Open Science?

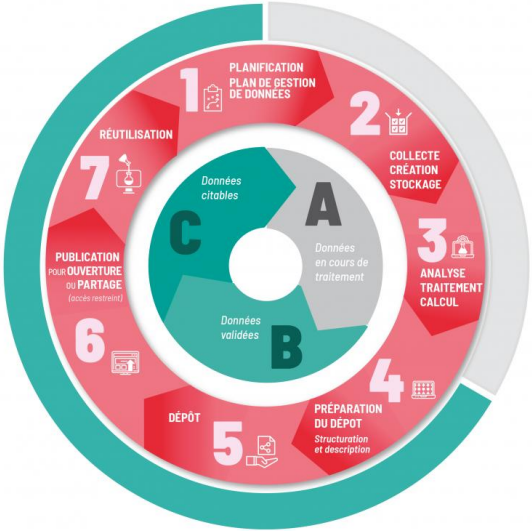
2.1 Data, codes and softwares:

FAIR principles:

Findable
Accessible
Interoperable
Reusable

Data lifecycle:

Source : Recherche Data Gouv website - jannuary 2026



https://recherche.data.gouv.fr/fr

2. Open Science in practice

2.2 Identity, visibility and Open Science:

Researcher's identifier:

- ✓ Unique
- ✓ Visible
- ✓ Permanent
- ✓ Interoperable

Single-signature policy of UPHF INSA:

https://www.uphf.fr/recherche/charte-signature-unique-publications-scientifiques-luniversite-polytechnique-hauts-france-mode-demploi

2. Open Science in practice

2.3 Open Science and publications:

Different ways of publishing openly:

✓ **Green Open Access:** self-archiving in a trusted repository

https://uphf.hal.science/

✓ **Golden Open Access:** the author or institution is due to pay a certain amount to the editor that allows to open the paper

✓ **Diamond Open Access:** no fees, nor for the author or the institution

Choosing the right license is important:

- ✓ Creative Commons licenses
- ✓ Copyright
- ✓ Etalab

To sum up… or go further:

At UPHF INSA and at the library:

Research at UPHF INSA: https://www.uphf.fr/recherche-luphf
Assistance to PhD students at the library: https://bu.uphf.fr/opac/article/je-suis-doctorant/h_doctorant

Tools :

Website *Ouvrir la Science (Open Science)*: https://www.ouvrirlascience.fr/accueil/
Recherche Data Gouv's ecosystem: https://recherche.data.gouv.fr/fr
LORD, Lille Open Research Data: https://lord.univ-lille.fr/
OPIDoR: https://opidor.fr/

Training, self-training:

ED PHF and *collège doctoral* offers a wide range of trainings: https://www.uphf.fr/recherche/lecole-doctorale/formations-doctorales/formations-doctorales-credits-cfd
DORANum: https://doranum.fr/

Bibliothèque Universitaire

Université Polytechnique HAUTS-DE-FRANCE

Thanks for paying attention!

servicechercheurs-bu@uphf.fr