Passport for Open Science

A Guide on open science
For doctoral students in all fields of study in France

https://www.ouvrirlascience.fr/open-science/
The origin of the project


• In its third commitment, the plan calls for **Developing open science skills, especially in postgraduate schools.**

• Focus on PhD students

• Project launched in 2019 with funding from the French Ministry of Higher Education, Research and Innovation (40 K €)

“France is committed to making open science a normal, everyday practice for researchers.”
Why this Passport? For whom?

- Lack of a comprehensive open science guide
- Need to present open science terminology, not well known among PhD students
- PhD students interviewed confirmed the need for the guide

**The goal**: create for PhD students a sort of mini, introductory textbook that explains the benefits of open science, its vocabulary, and how to get started.
The Passport: a 40 page, illustrated booklet

PASSPORT FOR
OPEN SCIENCE

A PRACTICAL GUIDE
FOR PHD STUDENTS

Front and back covers

The Passport For Open Science is a guide designed to accompany you at every step of your research, from developing your scientific approach to the dissemination of your research results. It provides a set of tools and best practices that can be directly implemented and is aimed at researchers from all disciplines.

We hope this guide will motivate you and provide the means for you to realise the ambitions of open science by sharing your research results and data with as many people as possible.
8 chapters, presented over 3 stages of the PhD

1. Planning an open approach to scientific work
   - Using freely accessible resources ........................................ p. 6
   - Planning data management .................................................... p. 8
   - Working in a reproducible way:
     For yourself, for others .......................................................... p. 11

2. Disseminating research
   - Disseminating your publications in open access ...................... p. 16
   - Making your thesis freely accessible .................................... p. 21
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3. Preparing for after your thesis, join the movement
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Legend
Underlined text is explained in the glossary.
This triangle ▼ refers to tools which are given as examples.
8 chapters, presented over 3 stages of the PhD

The chapter on resources, 2 pages

Using freely accessible resources

You are beginning work on your thesis. You need access to the publications, articles and data already produced in your field. This is the beginning of your obstacle race...

Access and reuse

The open access movement's aim is to facilitate access to scientific content and encourage its reuse. Often we speak of:

- Open-access resources: thanks to their author and/or publisher, these resources can be freely accessed without researchers or their institutions having to pay.
- Free resources: as well as being in open access, these are reusable depending on the distribution license involved. For example, Creative Commons licenses allow reuse as long as conditions set by the author are respected. For more information, please see creativecommons.fr.

Where should you look for resources?

Open access journal platforms: Open access journals can have diverse business and editorial modes.

- OpenEdition Journals offers 45 online publications in the humanities and social sciences.

Platforms for preprints or working papers:

- The availability of these unpublished articles means researchers can quickly discover the latest research approaches. Discover RePEc, a platform for working papers in economics.

Open archives: These may be institutional or thematic and scientific productions are deposited in the archives by researchers themselves for free consultation. Explore HAL, the multidisciplinary archive for French research.

Open access data warehouses:

- These may be multidisciplinary or specialised. Searches can be run for different types of data and they enable the deposit, conservation and sharing of research data. dataverse.org lists the data warehouses available in the life sciences.

Specialist search engines:

- Core (core.ac.uk) is a search engine specialising in open access academic publications (books, articles, theses, etc.).
- Unpaywall can be installed as a browser extension and offers free access versions of all the articles available in its database.

WORTH KNOWING

The fact that a resource is in open access is not a guarantee of quality in itself. It needs to be critically evaluated before being used like all document resources.
8 chapters, presented over 3 stages of the PhD

The chapter on theses, 3 pages
3 stories from PhD students

Minh-Châu N., PhD student in phonetics, Sorbonne Nouvelle Paris 3 University

I am a phonetician. I study the sounds of languages particularly little-studied Vietnamese dialects.

During my master's degree, I made field visits to the province of Phú ThỌ to collect and record data from the little-documented dialect of Kim Thuông Mường, namely phonological and lexical contents, stories, dialogues and songs.

The article has been cited and downloaded but will gradually be replaced by new work. However, the primary data is of unlimited value.

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I have continued working on my PhD in open science mode. As well as phonetic study, part of my work consists of preparing all the data recorded for long-term conservation in Pangloss. I am happy to contribute in this way to the preservation of my home country's languages!
Next steps

• Updated guide available soon (September)

• The following are planned for 2021/2022
  – Codes and software guide
  – Preconceived ideas about open science
  – Videos clips
Feel free to use our Passport as a model!

- The English version of the Passport for Open Science is available at: https://www.ouvrirlascience.fr/passport-for-open-science-a-practical-guide-for-phd-students/

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