

JUIN  
2022

# Open science and communities of researchers : the big gap in training



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# Content

- 1. THE BACKGROUND**
- 2. THE LIBRARY'S MISSION : TRAINING IN OPEN SCIENCE**
- 3. HOW DO WE DO IT?**

# 1

## THE BACKGROUND

# Open Science (OS) policy at SU

**Sorbonne University's commitment to OS**



**Strategic 5-year plan (2019-2023)**

# Open Science (OS) policy at SU

## Sorbonne University's commitment to OS



### Strategic 5-year plan (2019-2023)

[Home](#)[Ranking](#)[Information](#) ▼[Downloads](#)[Services](#)[Contact](#)

	University		P	P(OA)	PP(OA)
1	Sorbonne Univ 		31952	25241	79.0%
2	Inst Polytech Paris 		6534	5128	78.5%
3	Univ Paris Sci Lettres 		16581	12908	77.8%

# Open Science policy at SU

## Sorbonne University's commitment to OS



**Strategic 5-year plan (2019-2023)**



**Policy for open access to SU publications (2019)**



**Open research data policy within the Sorbonne University Alliance (2021)**



**Policy for promoting open science actions in the internal evaluation of research (2021)**

# A large and heterogeneous community

**115 research units**

**Medicine**

**Science and  
Engineering**

**Humanities**

# A large and heterogeneous community

**115 research units**

**Medicine**

**Science and  
Engineering**

**Humanities**



**6400 teaching and research staff**



**3600 PhD students**



# 2

THE LIBRARY'S MISSION : TRAINING IN OPEN  
SCIENCE

# The Library's mission

**OS operator at SU**

➤ **OS trainer**

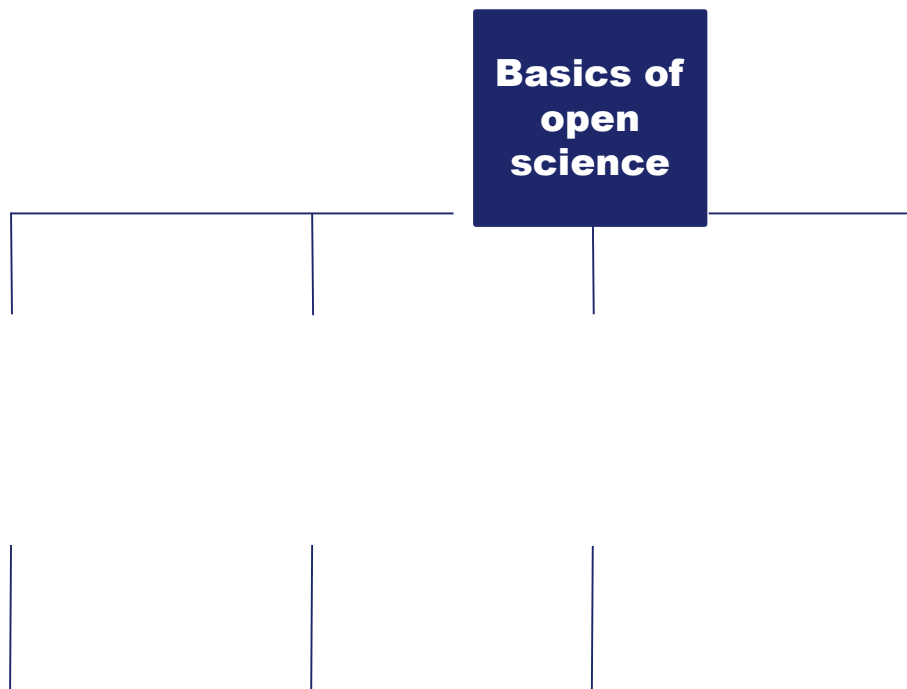
**SU is committed to « strengthening its training in open science and best practices in scholarly communication »**

Policy for open access to SU publications (2019)

# Training catalogue

Examples :

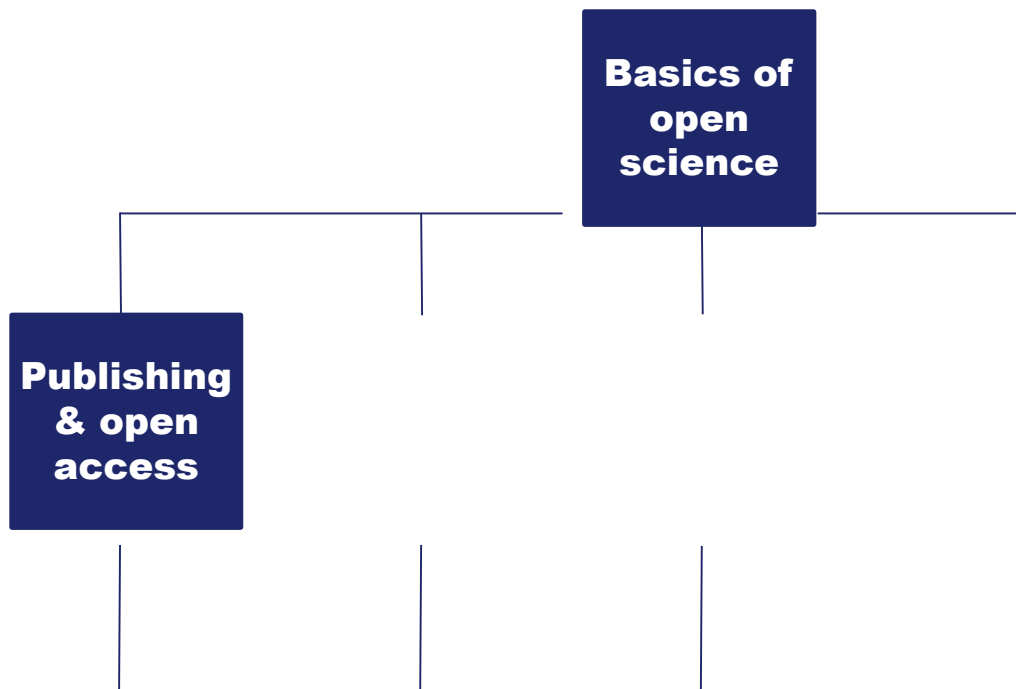
- MOOC “Open Science”
- Open Science in in 3 points
- Open data in 5 points
- Impact and dissemination of research



# Training catalogue

Examples :

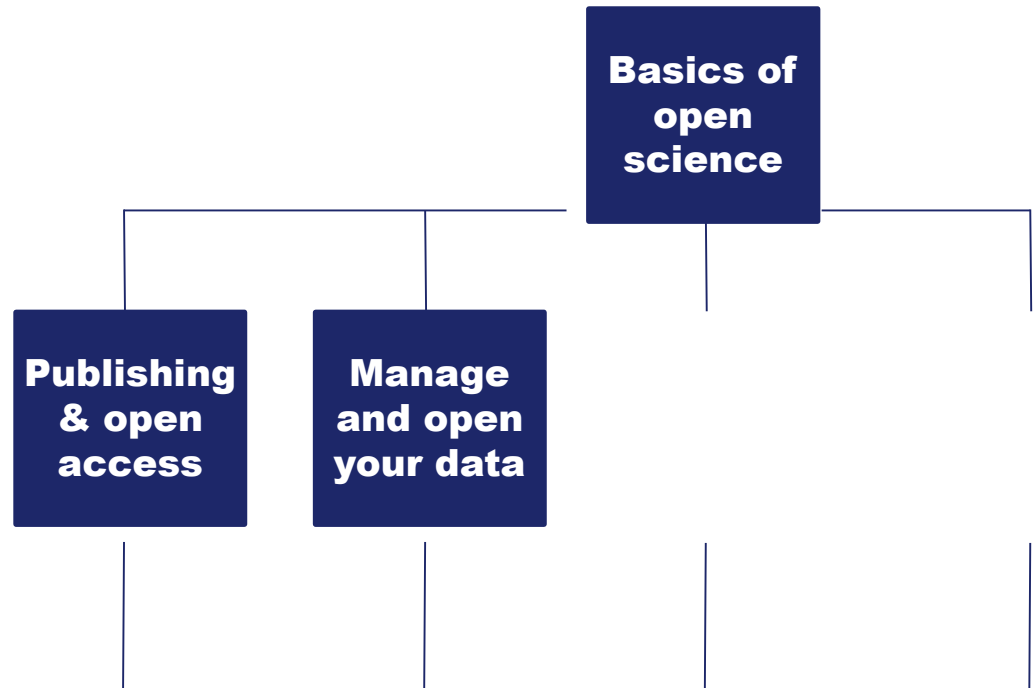
- How to deposit its articles in the national open access repository HAL?
- How to be prepare to the requirements of the financers?



# Training catalogue

Examples :

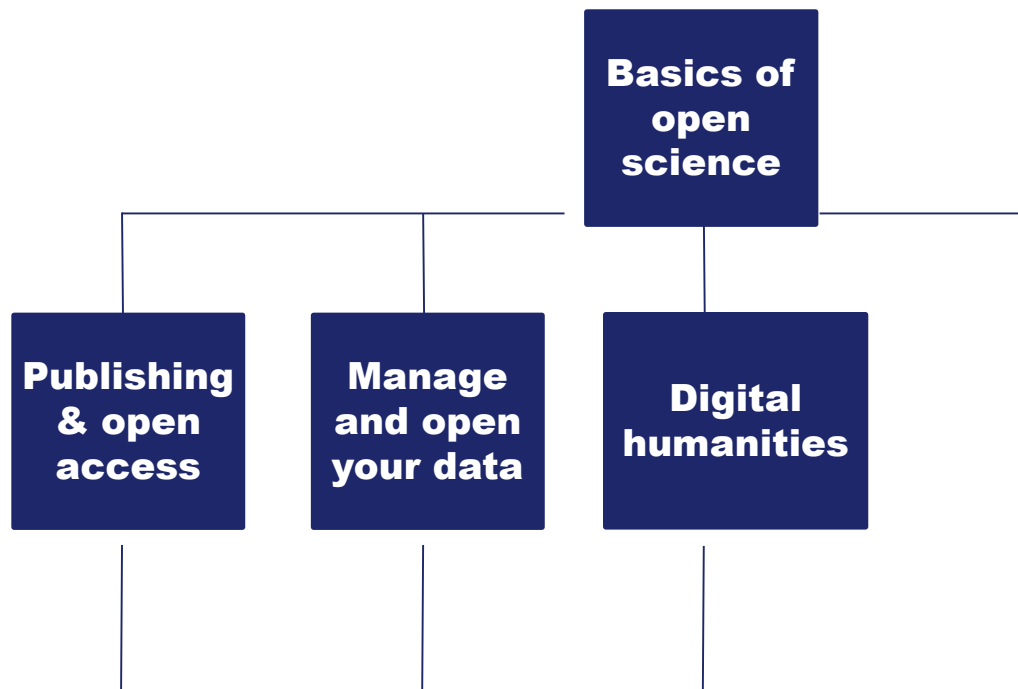
- Writing a data management plan
- Storing and archiving data during a research project
- Opening source codes with Software Heritage



# Training catalogue

Examples :

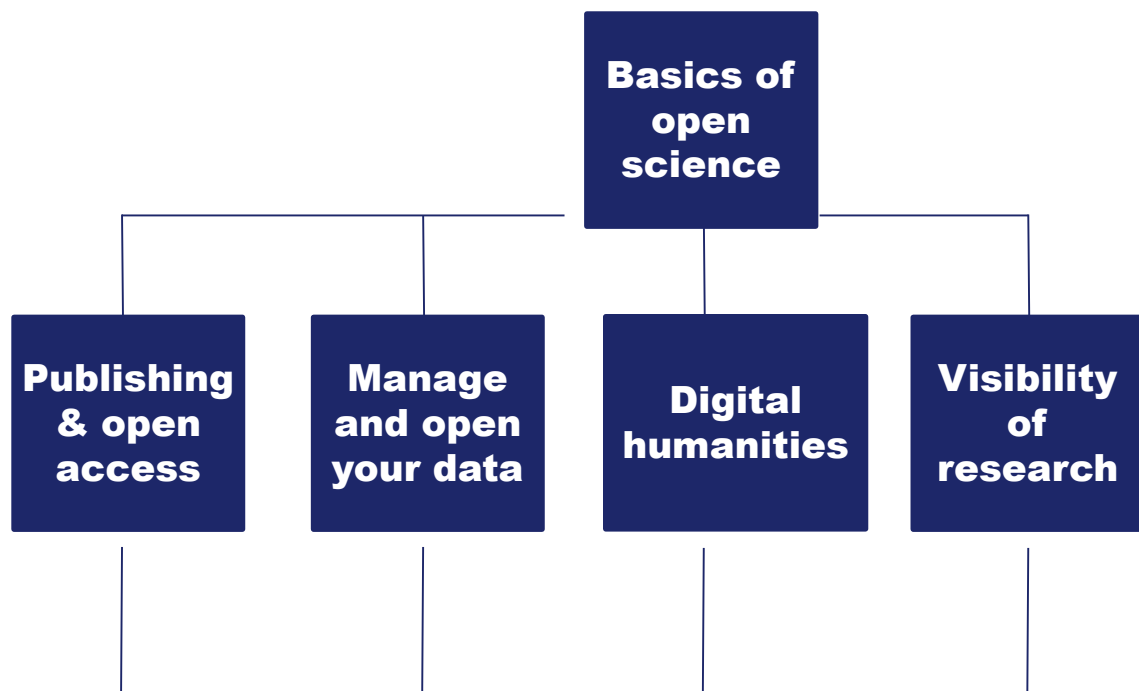
- Improving image management with Tropy
- Editing online with Stylo
- Managing sound recordings
- Collecting web archives



# Training catalogue

Examples :

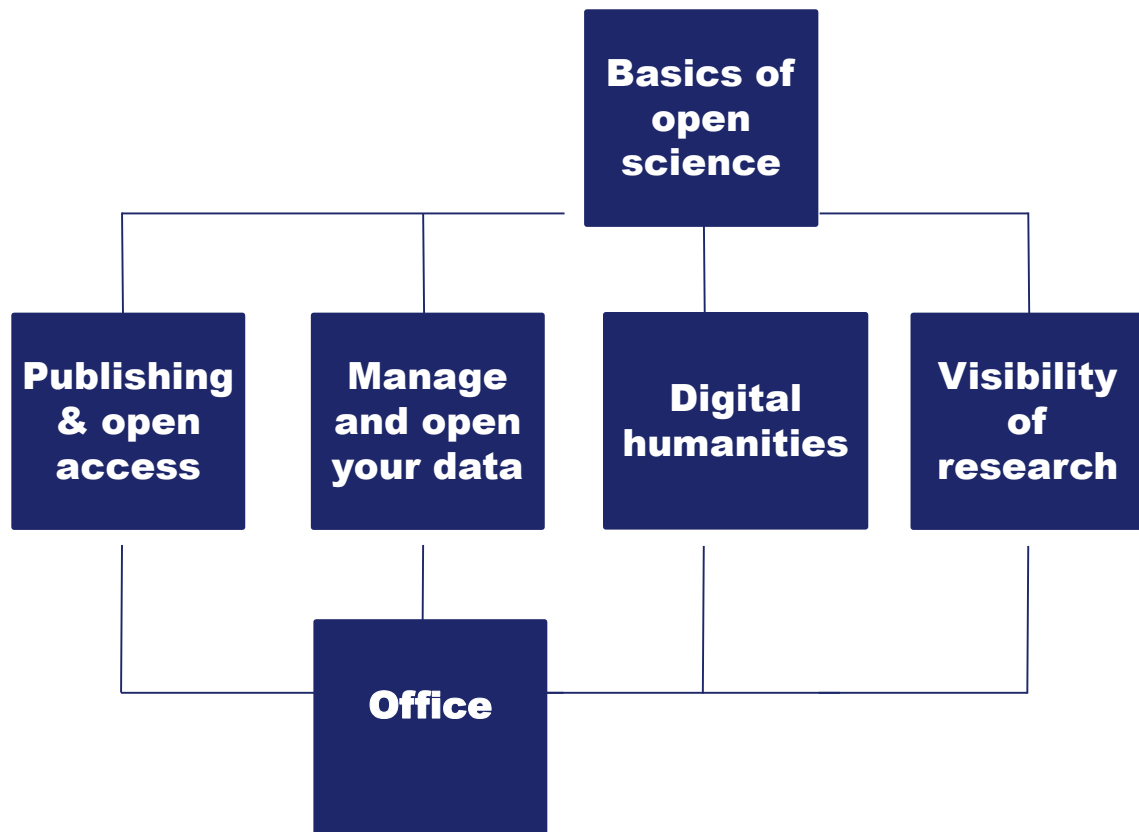
- Improve visibility with a research blog (Hypothèse platform)
- Improve online presence with researcher IDs
- Promote your work with a scientific poster



# Training catalogue

Examples :

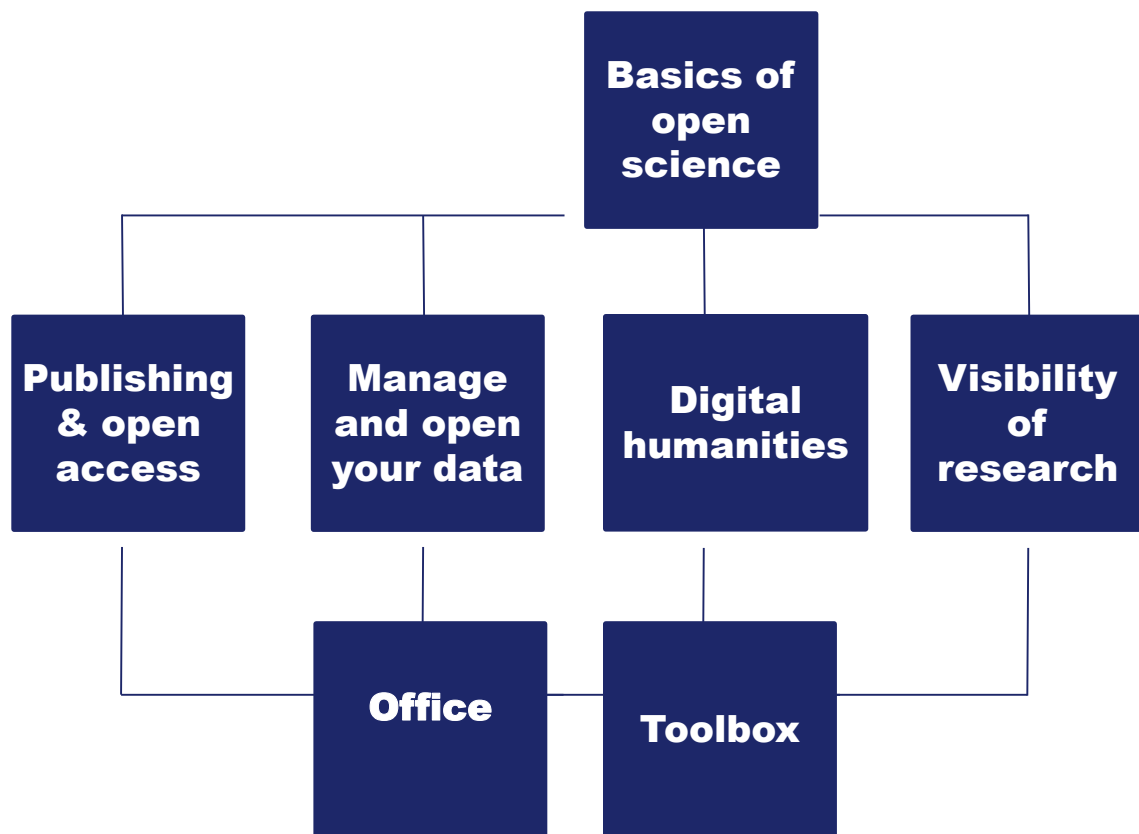
- Manage your bibliography with Zotero
- Manage your office bulk with Archifiltre
- Introduction to version control





# Training catalogue

Specific tools for HAL



# 3

HOW DO WE DO IT?

# Who provides OS training at the Library ?

Open Access &  
Scholarly  
Communication  
Department

2 full-time trainers  
+  
5 colleagues

# Who provides OS training at the Library ?

Open Access &  
Scholarly  
Communication  
Department

Data service

2 full-time trainers  
+  
5 colleagues

3 colleagues

# Who provides OS training at the Library ?

Open Access &  
Scholarly  
Communication  
Department

Data service

Department of  
Training and  
Pedagogical  
Innovation

2 full-time trainers  
+  
5 colleagues

3 colleagues

2-3 trainers

# Who provides OS training at the Library ?



**Progressive reinforcement : creation of jobs and PIA funding.**

# **Skills and job profile : Archivist**

## **Training :**

- Improving image management with Tropy
- Editing online with Stylo
- Collecting web archives
- Humanities and FAIR data

**2019 : Archives Department → Library**

## **Profile :**

- **archiviste**
- **trainer (archives, open science)**
- **Involved in working groups**

# **Skills and job profile : Teaching engineer**

## **Training**

- Promote your work with a scientific poster
- Science publishing circuit

## **Part of the MOOC « Open Science » task force**

## **Profile**

- PhD in Biology
- Teaching engineer in charge of scientific mediation
- Trainer and training coordinator
- Personal activities : scientific illustrator



# **Skills and job profile : Paleontologist**

## **Training**

- Managing your geological samples (in an open science context) since 2020

## **Profile**

- PhD in paleontology
- In charge of the geosciences collections at SU

# **Skills and job profile : IT engineer**

**Collaboration with :**

**CERES (IT engineer)**

Modeling knowledge in social sciences and humanities : why, how and where?

**SACADO (computer engineer)**

Storing data during a research project

# Flexibility and adaptability



**Videoconference training offer**

1/3 of the  
participants



**Individual appointment at the convenience of the  
researcher**

**Help services**

Almost 1/4 of  
the participants

# Ramping-up through collaboration and funding

Task force :

- 3 colleagues from SU
- 1 colleague from MNHN

Initiative Excellence Funding

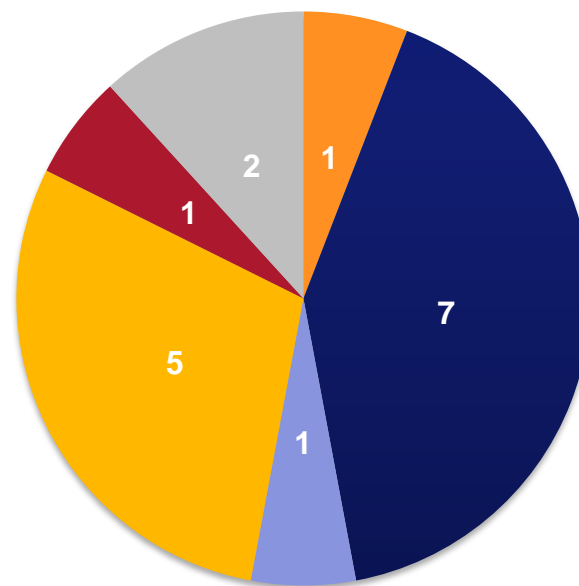
First session in 2022



# Ramping-up through collaborations and fundings

14 webinars on OS,  
~ 20H of video

First series in 2021-2022



- Charles University
- Sorbonne University
- University of Copenhagen
- University of Heidelberg
- University of Milan
- University of Warsaw

# Raising awareness

## **Researchers, but not only :**

- Master students
- Research and Development Divisions
- Research and Innovation Department
- Administrative and management staff (HR, finance, communication)

## **How ?**

- Short presentations on OS
- Regular exchanges

**To come : legal workshops on OS, with a legal expert, bringing together administrative and management staff**

# Seizing all opportunities

## **Opportunities :**

- National Plan for Open Science
- Institutional policy
- Funders' OS policy
- Research organizations' OS policy
- Research assessment by the HCERES
- Legal obligation (scientific integrity)

**Next year : Focus on scientific integrity as a component of OS**

# In conclusion

- 1. Raising awareness of everyone (not just researchers),**
- 2. Seizing opportunities,**
- 3. Being agile.**



THANK YOU !



# APPENDIX

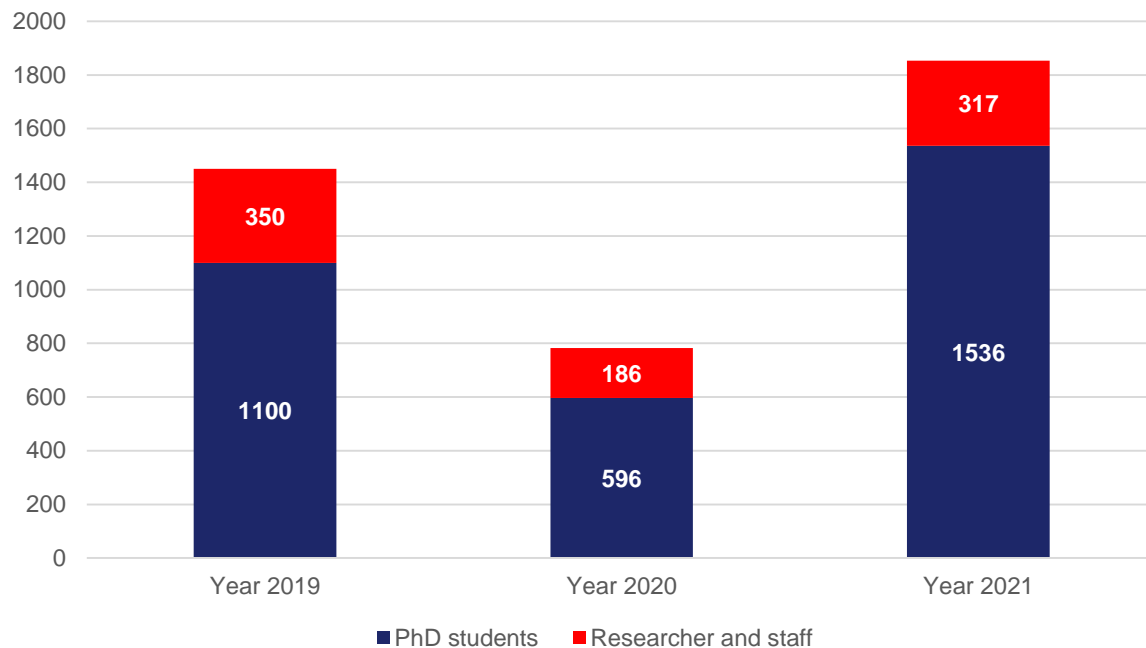
IF THERE ARE ANY QUESTIONS

# Quantitative assessment

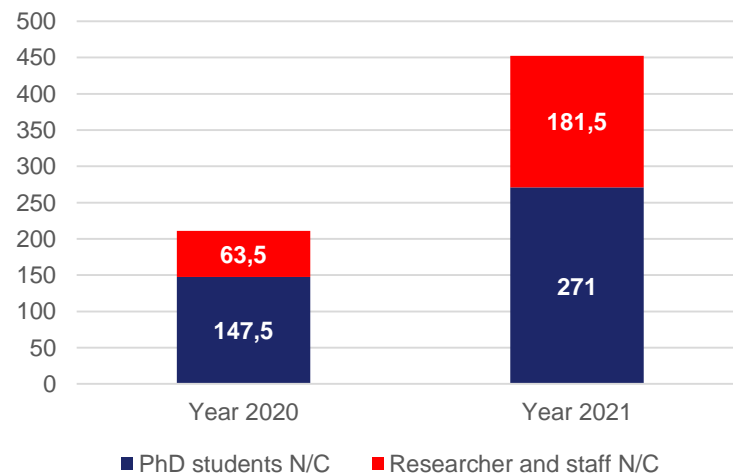
2021 :

- **1536 PhD students**  
(2,5 times more than in 2020,  
1,4 times more than in 2019)
- **317 researchers and staff**  
(1,7 times more than in 2020  
quite the same in 2019)
- Researchers : a lot more  
**individual appointments**
- **Today : 26 trainers** (including 4  
PhD students jobs)

Number of participants



Training hours

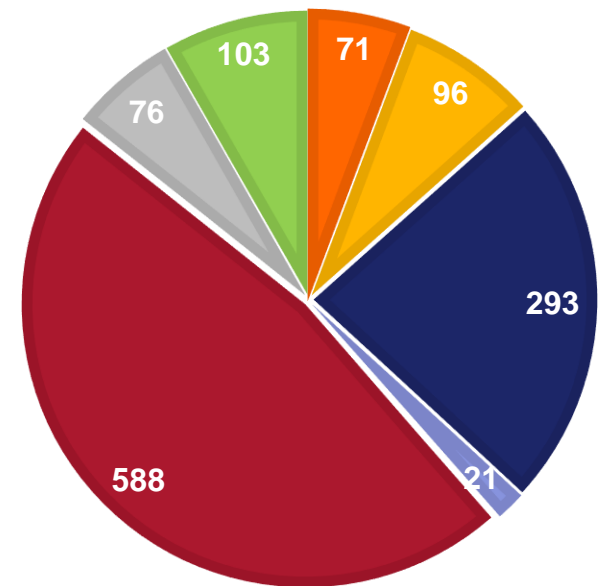


**TRAINING : NUMBER OF PARTICIPANTS AND HOURS, IN 2019, 2020 AND 2021**

# 4EU+ : Open for you ! series

For 13 webinaires (+1 more to come) :

- 1 248 participants
- Mostly, PhD students

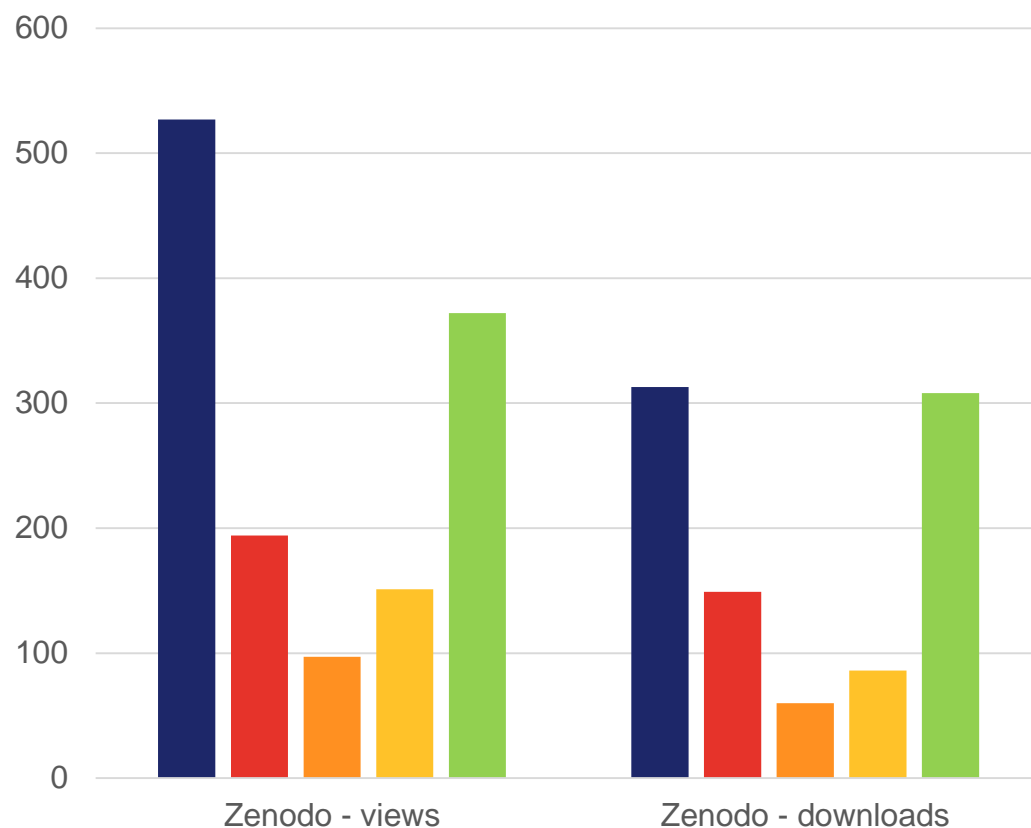


- Charles University
- Sorbonne University
- University of Milan
- Other
- Heidelberg University
- University of Copenhagen
- University of Warsaw

NUMBER OF PARTICIPANTS

# 4EU+ : Open for you ! series

- course 1 : What is Open Science?
- course 2 : Cycle of scientific publication: an overview
- course 3 : What are my funders requirements on Open Science? A focus on Plan S
- course 4 : Strategies for publishing in Open Access journals
- course 5 : Data Management Plans - one tool with many applications



ZENODO VIEWS AND DOWNLOADS ON THE 22/06



# International Open Access Week

## **Good visibility for a sprint training**

101 participants

13 training sessions

Basic and « hot » topics :

- Initiation to open science
- Research data in 5 points
- HAL deposit
- Researcher ID
- Preparing assessment by the HCERES

# Open Science policy in France

## NATIONAL PLAN FOR OPEN SCIENCE

4TH JULY 2018

#openscience

# Open Science policy in France



**French open archive (2001)**



**HAL**

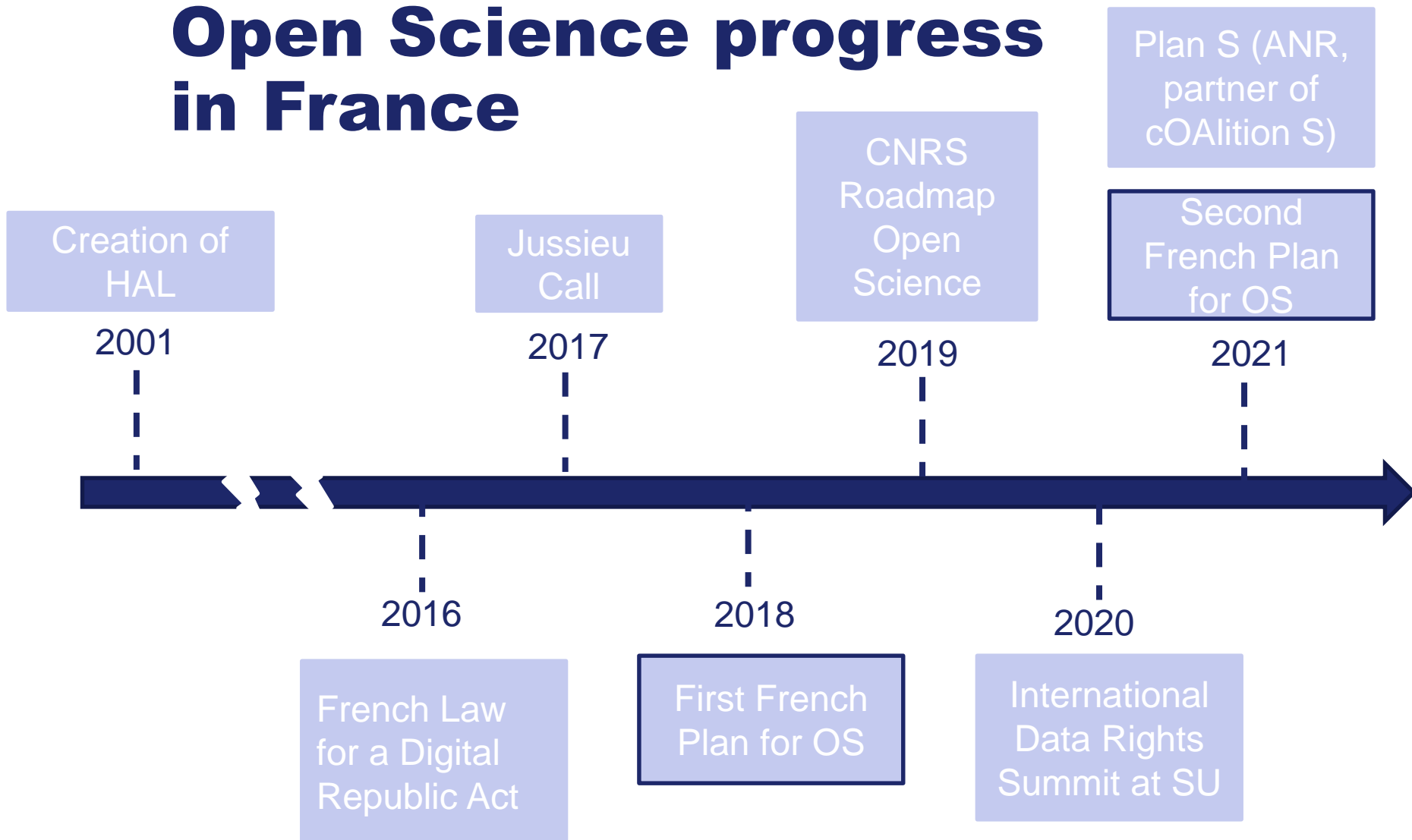
**French Law for a Digital Republic Act (2016)**

**Recherche  
Data Gouv**

**National research data platform (2022)**



# Open Science progress in France



# Next year

## New catalogue

# **Next year**

**New catalogue**

**“à-la-carte” training -> individual appointment**

# **Next year**

**New catalogue**

**“à-la-carte” training -> individual appointment**

**Training sprints for a better visibility (Love Data Week)**

# **Next year**

**New catalogue**

**“à-la-carte” training -> individual appointment**

**Training sprints for a better visibility (Love Data Week)**

**Training for HCERES**

# Next year

**New catalogue**

**“à-la-carte” training -> individual appointment**

**Training sprints for a better visibility (Love Data Week)**

**Training for HCERES**

**MOOC “Open Science” 2.0**