



Global
Research
Initiative on
Open Science



MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE

*Liberté
Égalité
Fraternité*

What if together we created an IPCC for Open Science?

GRIOS : towards evidence-based Open Science policies

Marin Dacos – National Open Science Coordinator
French Ministry of Higher Education and Research

London, Metascience 2025 conference

France's Open Science journey: 2018-2025



National Open Science Plan

- First national Open Science plan
- **French committee for Open Science**
- **French Open Science Monitor**
- **Passport for Open Science**
- New model for HAL



2018

6 M€ annual budget

2019

French Open Science Fund

- 1st call for projects about digital publishing
- First infrastructures funded (**Software Heritage**, **RDA**, **SCOSS...**)

2020

2021

Second National Open Science Plan



2022

Open Science European Conference (France) (2200 participants)

- **Council Conclusions** on Open Science
- **Recherche Data Gouv**
- Creation of the **Open Science Data and Software Award**
- **Decree on doctorates** integrating Open Science
- Open Science Monitoring Initiative (UNESCO and France)
- Creation of the **Open Science award for theses**
- **National conference on research data**
- Call for projects research on open science practices (ANR)

2023

G7 Communiqué on Open Science (Sendai) Infrastructures, evaluation & research on open science

- Report: **Production and exploitation of software** resulting from French public research
- Report: **French research software forges**
- **CoARA France** (Coalition for advancing research assessment)
- Interministerial report on **clinical trials**
- Open source software catalogue
- **Global Research Initiative on Open Science - GRIOS**

2024

2025

Many efforts : 82 publications of the French Open Science Committee



4 Passports for Open Science



5 videos of initiation Open Science



5 guides



68 reports, studies and tools



A wave of French Research Performing Organisations adopting Open Science policies



Baromètre français de la Science Ouverte – CC-BY MESR, Sources : MESR,

<https://barometredelascienceouverte.esr.gouv.fr/declinaisons/politique-etablissements>

Welcome to

the French Open Science Monitor



Measure the evolution of open science in France using reliable, open and controlled data.

See the last communication →

67% of publications in
open access

Increase of +29 points
in all disciplines

25% of publications
have shared their data

Increase of
+5pts in 2 years

19% of publications
have shared their code

44% of clinical trials
have shared their
results after 3 years

Decrease of 8 points
in one year

<https://frenchopensciencemonitor.esr.gouv.fr/>

And yet : many obstacles to Open Science

Comparison between 2020 (EUA survey – French universities) and 2024 (French survey)

Different disciplinary practices : 52%



The most frequently mentioned obstacle is stable

Resistance to data sharing : 42%



This obstacle is increasing : +16 points

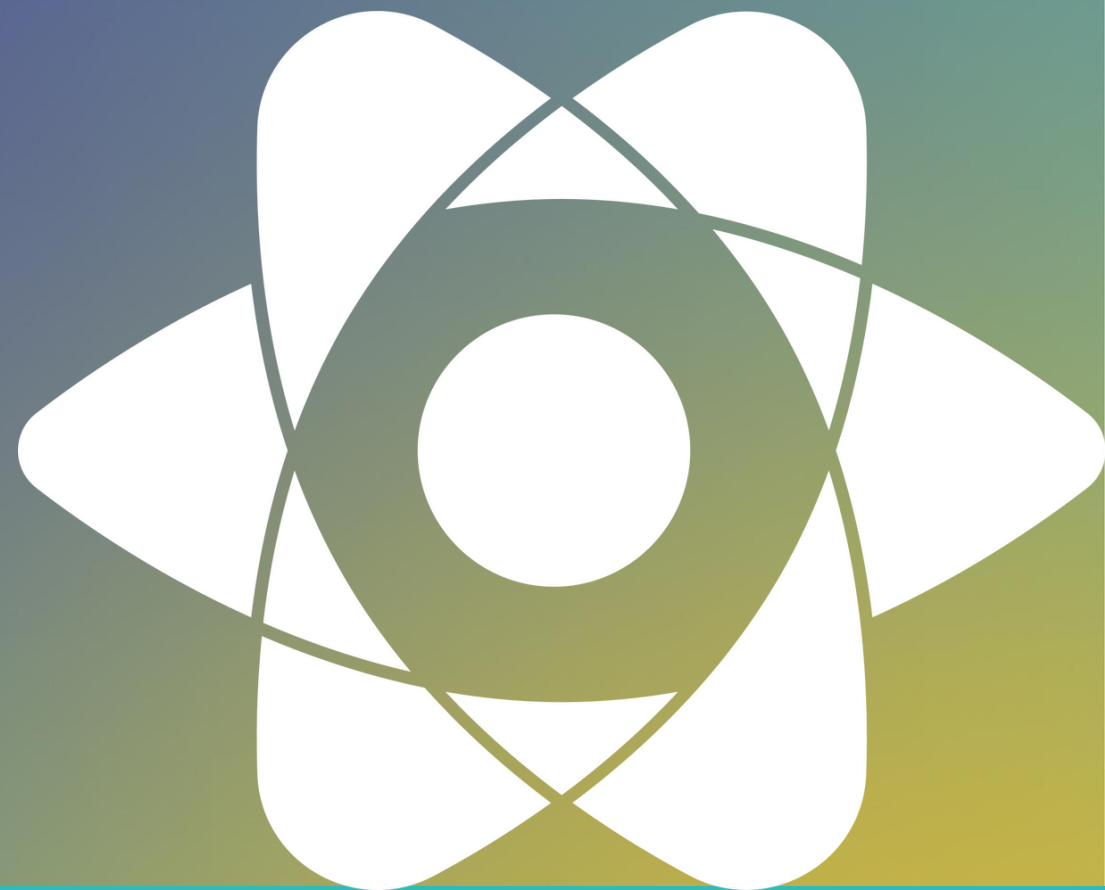
Concerns about rising costs : 28%



This obstacle is increasing : +17 points

Source : survey 2024. Answers : 105 French research performing institutions.

**DESPITE SIGNIFICANT PROGRESS IN OPEN SCIENCE,
AN UNFINISHED PROCESS**

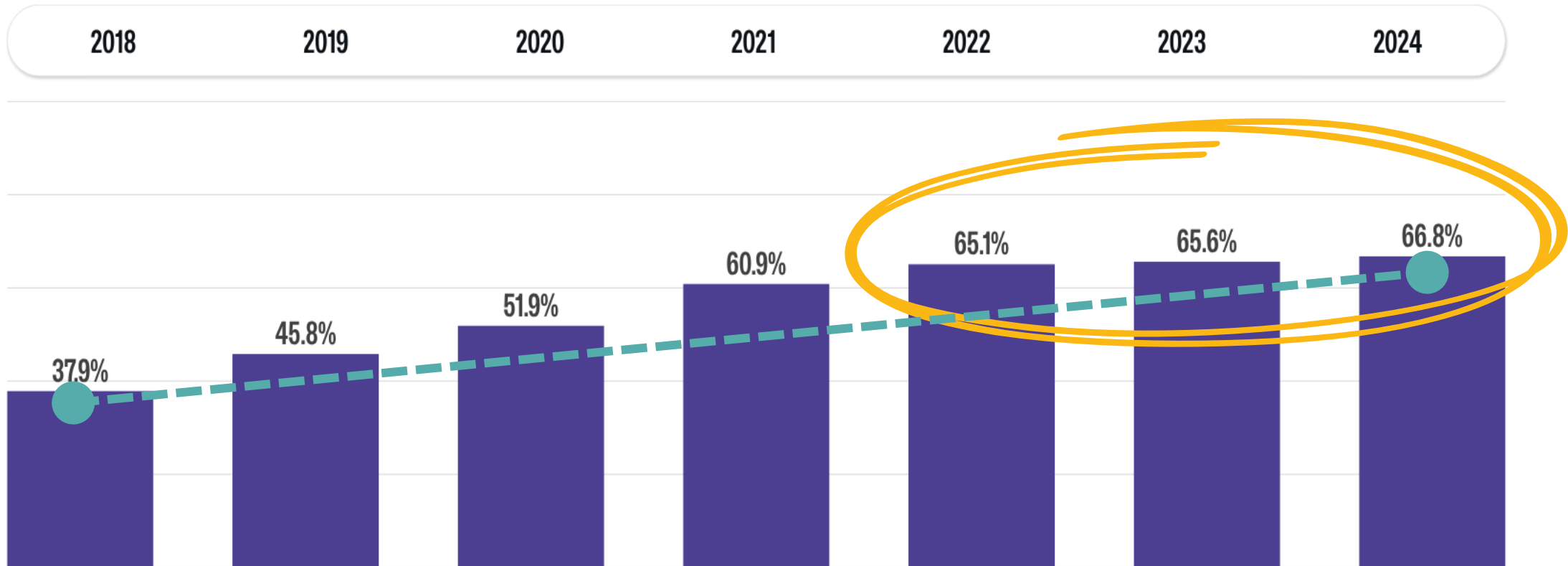


THE OPEN SCIENCE JOURNEY, STILL A LONG WAY TO GO

Open science is not a new idea...
However, after three decades of effort...



Open Access for publications: have we reached a plateau?

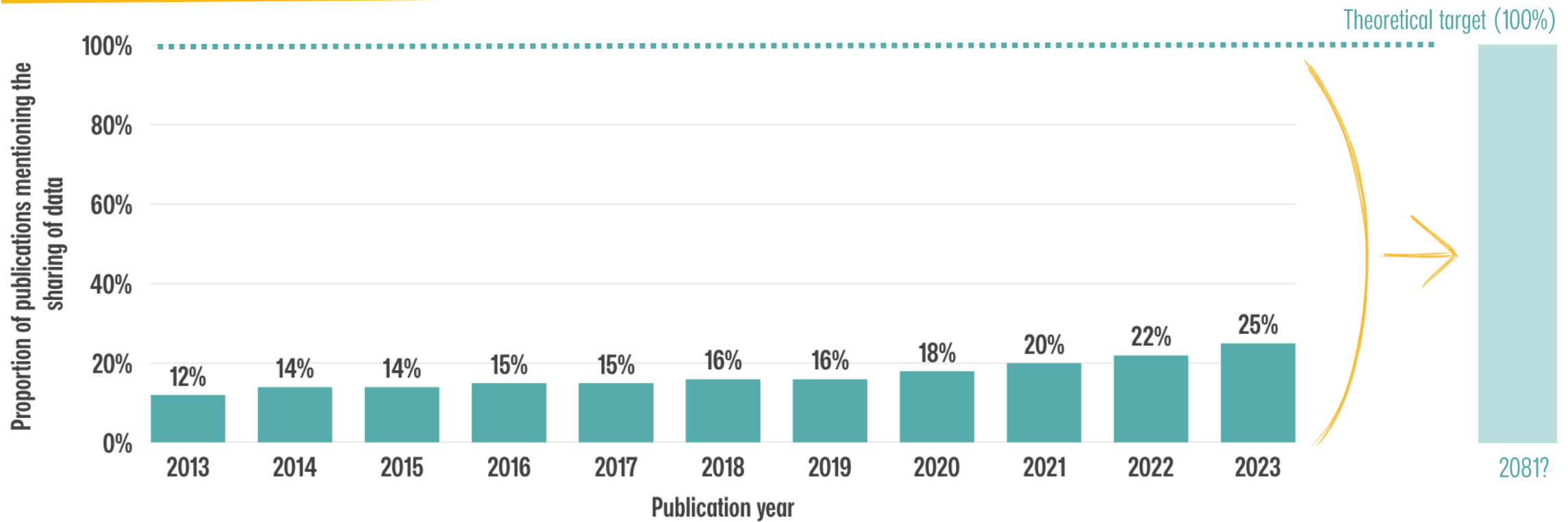


Open access rate of French research publications, published during the previous year

Source: <https://frenchopensciencemonitor.esr.gouv.fr>

GRIOS - Global Research Initiative on Open Science

Sharing data: a very slow trend

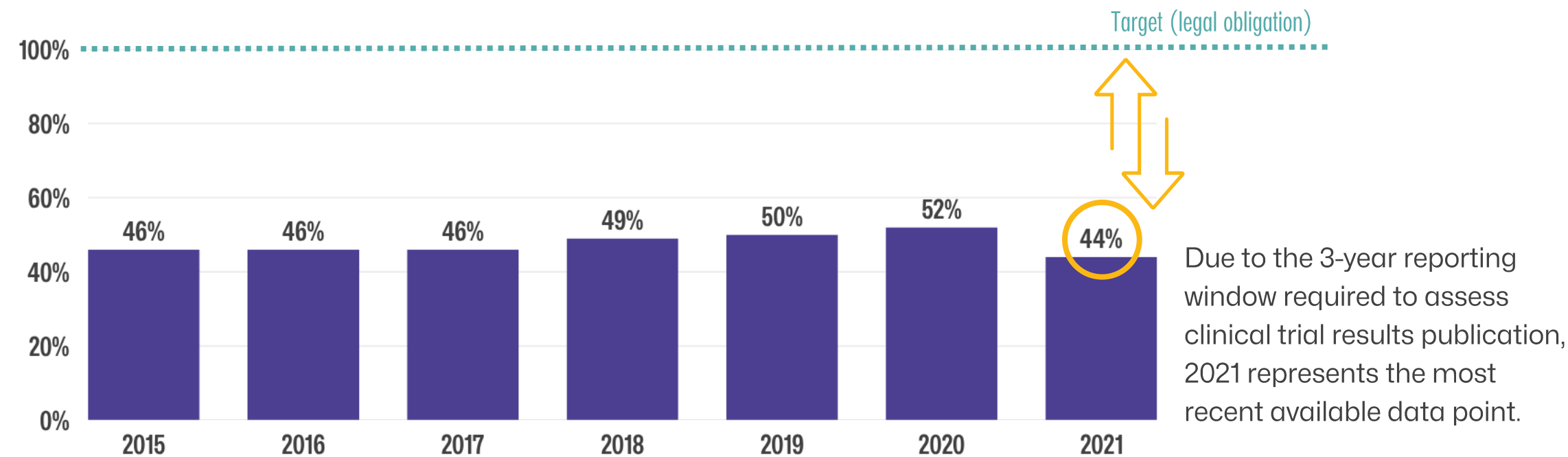


At the current average rate of progress (+1.3% per year), it would take approximately 58 more years to reach 100% data sharing

Very slow progress.
Only a 13% increase over 10 years.

3/4 of French papers still don't mention data sharing.

Communicating clinical trials results : negative results are still not published



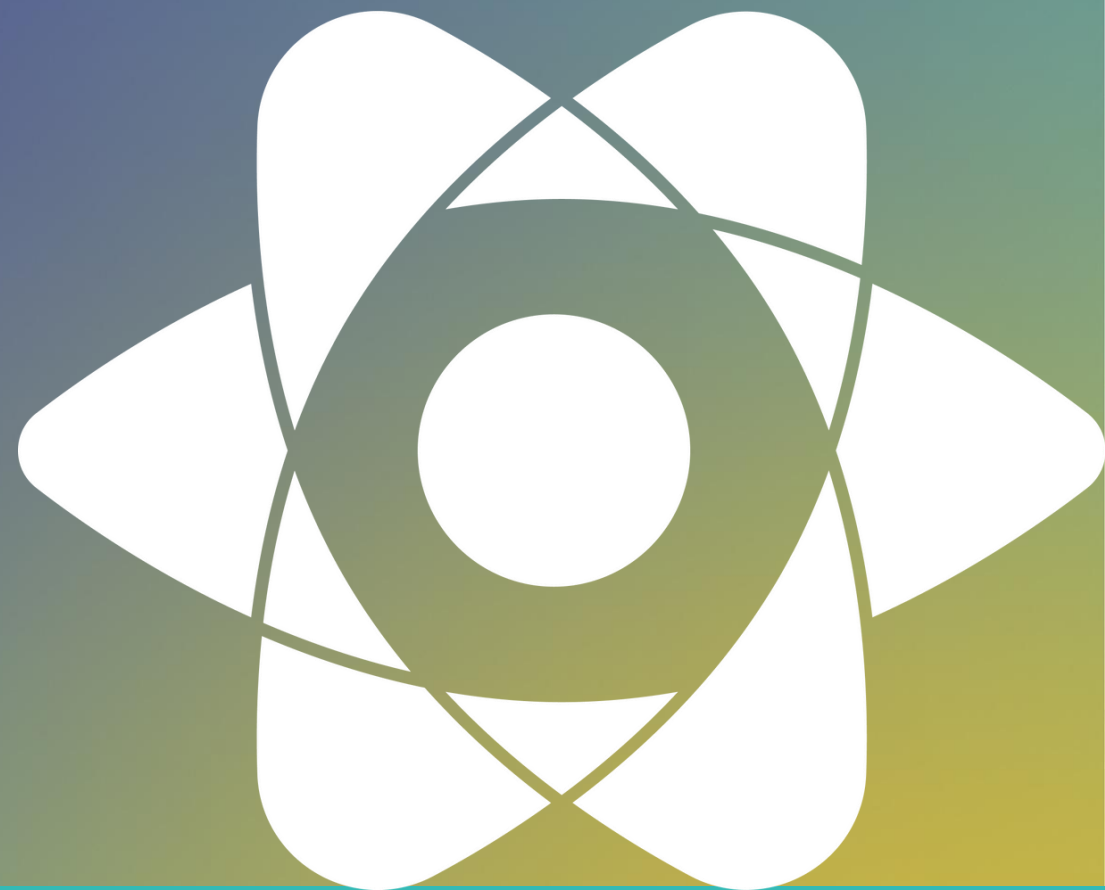
At the average rate of progress for the years 2015-2020 (+1% per year), it would take approximately 48 more years to reach 100% compliance.

Very slow progress. Only a 6% increase over 6 years.

Nearly half of all clinical trials still fail to communicate results after 3 years.

THIS IS A COMPLEX ISSUE.

**Beyond monitoring,
research on Open Science is needed**



**ARE WE GOING TO WAIT
ANOTHER 30 YEARS?**



Call for projects in France: research on Open Science



The screenshot shows the ANR website header with the French Republic logo, the 20th anniversary of ANR, and a 'submit a proposal' button. The navigation bar includes 'ANR'S ROLE IN RESEARCH', 'CALLS FOR PROPOSALS', 'FUNDED PROJECTS AND IMPACT', and 'FRANCE 2030'. The main content area is titled 'Calls for proposals' and features a 'Selected - 2024' button. The main heading is 'Research on open science practices and stakes'. The text below states: 'In order to identify the needs and interest of the scientific communities regarding open science practices and stakes within research practices, the French National Research Agency launched a call for expressions of interest in April 2023, which led to a major mobilisation of communities. The analysis of these proposals has highlighted the diversity of expectations and needs. Therefore, the ANR is launching a specific call for proposals open to all scientific communities, on the practices and stakes of open science.'

Budget : 2,1M€

10 selected projects (2024)

5 disciplines :

- Humanities and social sciences
- Biology
- Health
- Clinical research
- Information and communication sciences

<https://anr.fr/en/call-for-proposals-details/call/research-on-open-science-practices-and-stakes/>

Global origins of the initiative : a G7 call for research on research



“We support the efforts of “research on research”, aimed at **helping to shape a more effective evidence-based research policy.**”

**Report of the G7 Open Science
“Research on Research” Sub-Working Group
Prepared for the G7 Open Science Working Group**

May 2023 - DOI : [10.52949/32](https://doi.org/10.52949/32)

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Global
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The next generation of Open Science policies needs more evidence

“An IPCC for Open Science”

Florian Naudet, Henriikka Mustajoki, Marin Dacos. Building a Global Research Initiative On Open Science: Towards Evidence based Open Science policies. The Committee for Open Science. April 2024. DOI: [10.52949/54](https://doi.org/10.52949/54)



Main questions that GRIOS will address



What is the impact of Open Science?



What are the obstacles to Open Science?

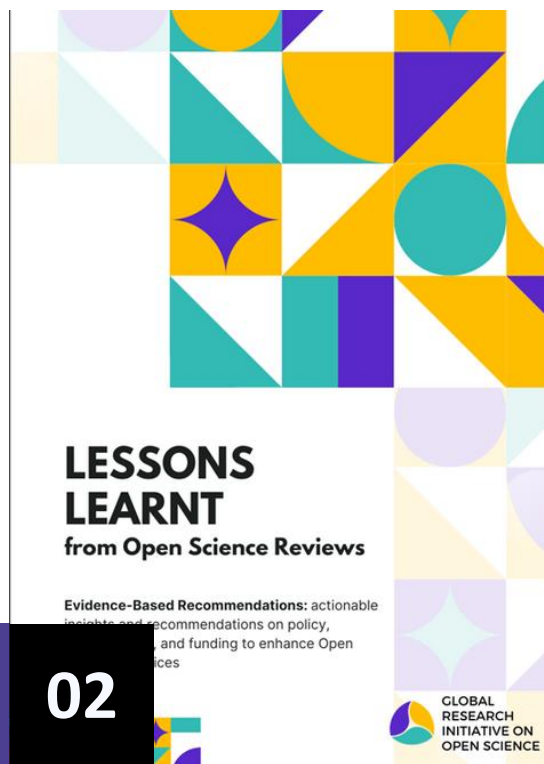


What are the possible solutions?



01

Comprehensive
Review Reports



02

Lessons learnt and policy
recommendations



03

Research on Open Science
Roadmap



Initiators (open to new partners !)



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*Liberté
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 **Ouvrir
la science !**



Thank You!

Contact us for further information or questions

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Global Research Initiative on Open Science (GRIOS)

European Science Foundation

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www.grios.org



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