

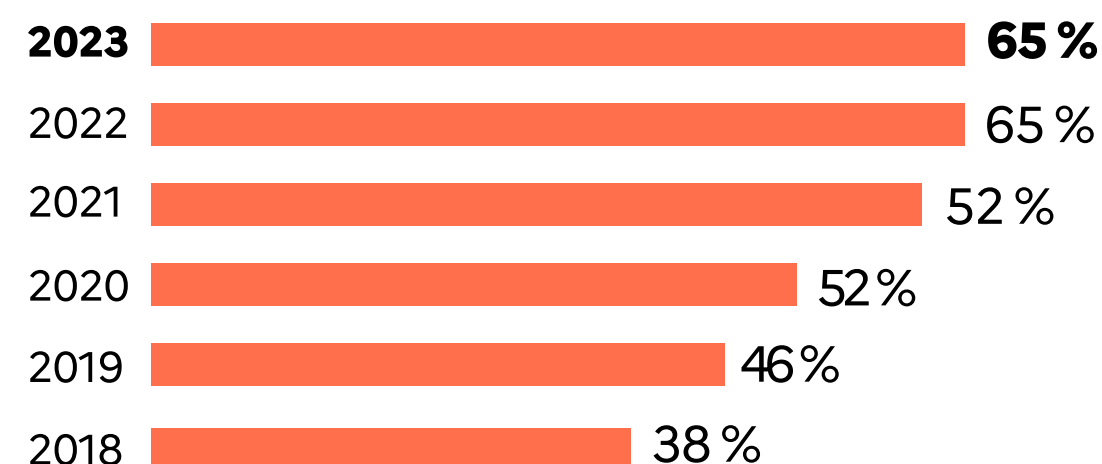


# French Open Science Monitor 2023 Results

## Publications: 65% in open access

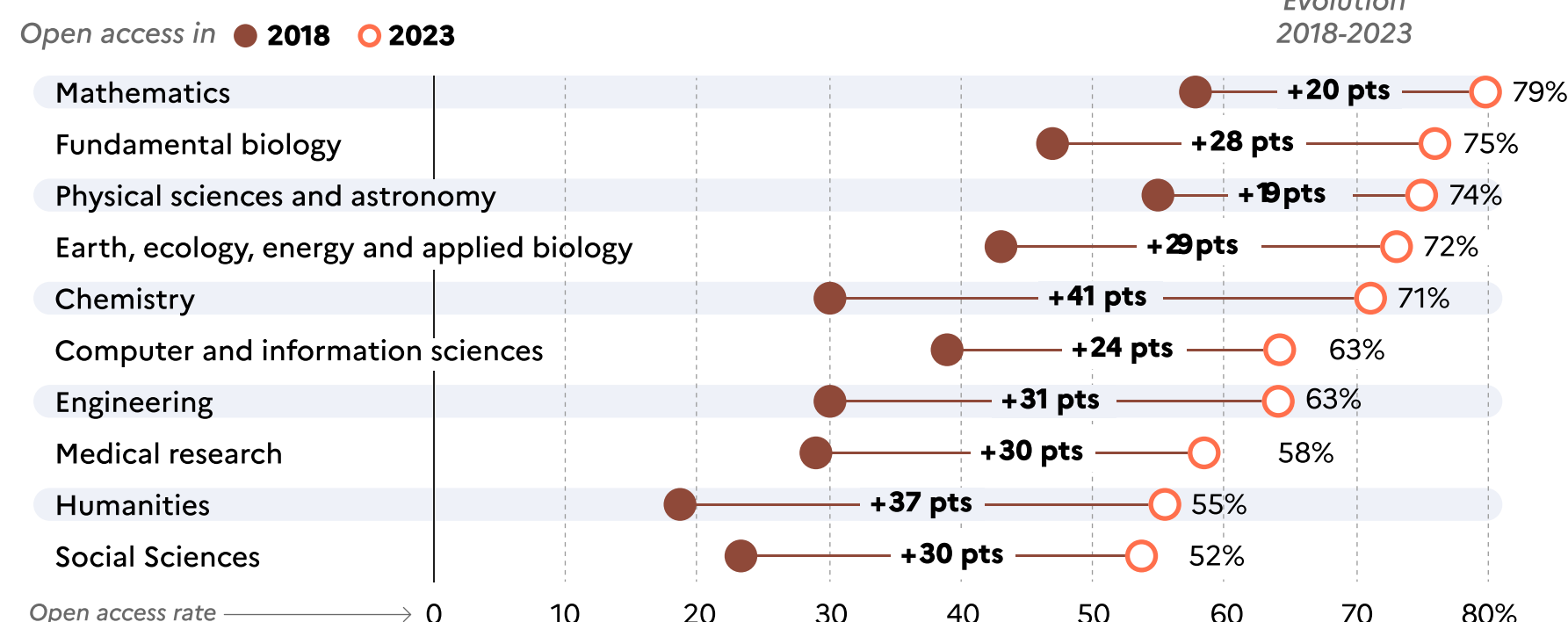
65% of the 160,000 French scientific publications published in 2022 were open access in December 2023, a stable rate compared with the previous year. The level of open access varies significantly from one discipline to another, but each discipline remains at a stable level. On the other hand, opening via the publisher platform is increasing (+3pts), while opening via the open archive is decreasing (-3pts).

Open access rate of scientific publications in France, with a Crossref DOI, published during the previous year by observation year



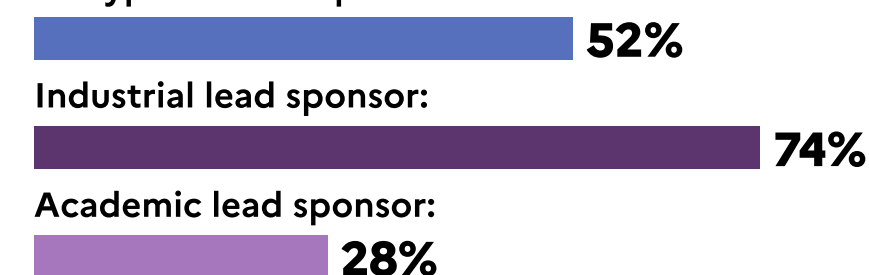
Growth  
(all fields)  
2018-2023  
**+27 points**

Rate of open access publications in France, for each discipline between 2018 and 2023



## Clinical trials: 52% share their results within 3 years

Percentage of registered clinical trials completed in 2020 that have posted a result and/or declared a scientific publication within 3 years of the end of the trial  
All types of lead sponsor\*:



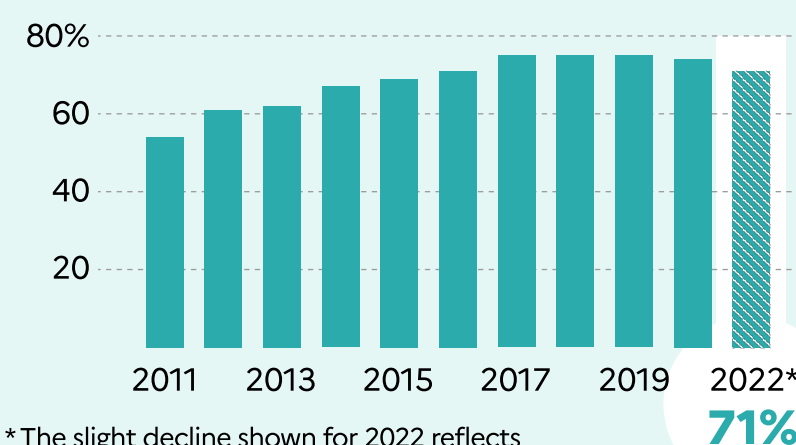
\* Individual or legal entity in charge of research conducted on human beings who initiates, finances and supervises the conduct of the clinical trial.

The rate of opening clinical trial results within 3 years is 52%. This is higher than in 2014 (46%) but still low.

The declaration of clinical trials and their results in public databases allows rapid circulation of results, including those that have been unsuccessful and are not published scientifically. There is a very wide disparity between industrial and academic promoters.

## PhD theses

Opening rate of doctoral theses in France by year of defense (observational year 2023)



\* The slight decline shown for 2022 reflects a number of theses under ongoing embargo

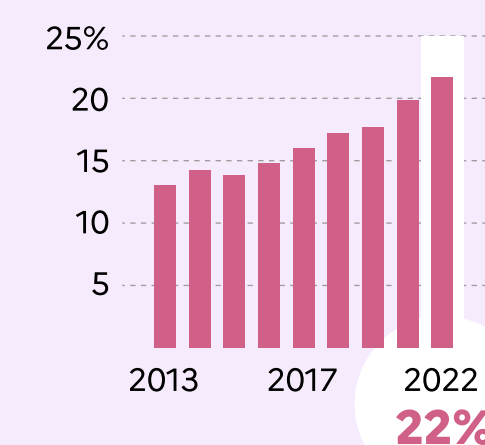
The Monitor now also measures sharing of PhD theses, using data from theses.fr (managed by Abes) and HAL. 77% of PhD thesis defended in 2021 are open (stable ratio since 2017). As with publications, the rate of opening theses varies significantly between fields. For instance, more than 90% of theses published in Mathematics or Astronomy are open, compared with a 50% ratio in Law or Literature.

## Research data and software

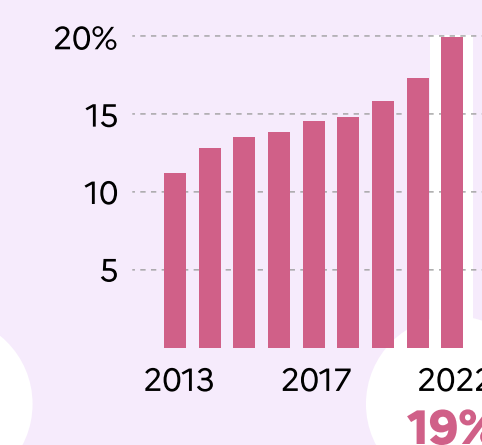
[beta]

Proportion of publications that share:

A dataset



A software or code



Opening up publicly funded research data is made compulsory by the 2016 Law for a Digital Republic. For the first time, the Monitor includes a tracking of these data as well as code and software, using machine learning systems that are constantly being improved. Amongst publications published in France in 2022 mentioning the production of data, 22% are referring to sharing a dataset. The sharing ratio for software and code is 19% in 2022.



## Monitors are sprouting in research institutions

More than 70 research performing organisations, universities, grandes écoles and research centres have their own tailored monitor. The community of users is also dynamic, with more than 200 subscribers exchanging tips and supporting one another via a dedicated newsletter.