




Open Science > Open Data = Mendeley Data

Mendeley Data as platform to support your
Open Data strategy

May 2020

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We hope you are doing well in this difficult days.

You can count on Elsevier's support during this exceptional situation. We're here to help researchers efficiently access information regardless of where they're working.

Agenda

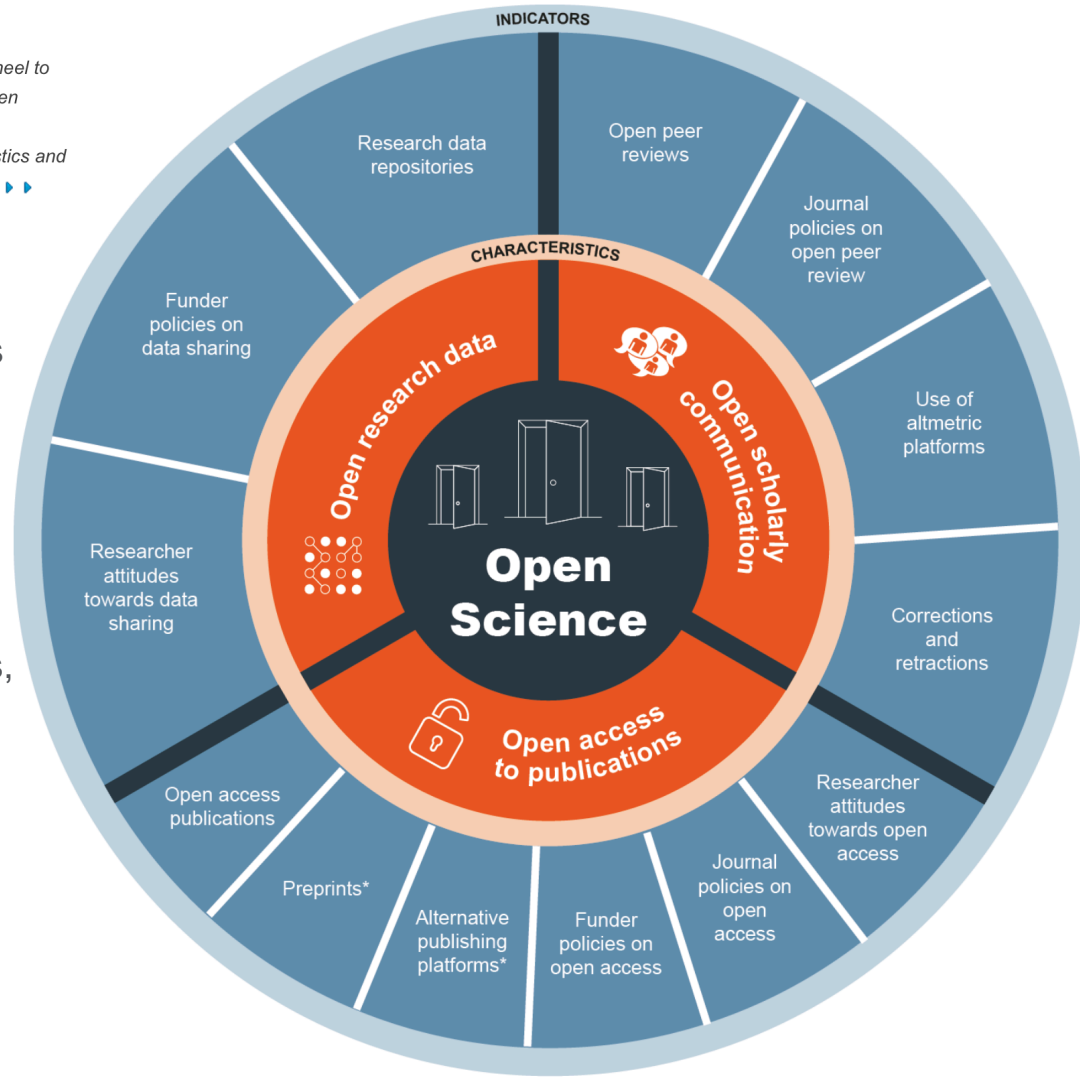
- What is Open Science
- Elsevier supports and empowers open science
- Emergency resource centers: The COVID-19 case
- A brief introduction to Open Data
- Mendeley Data

What is Open Science?

Use the wheel to
explore open
science
characteristics and
indicators. ▶▶

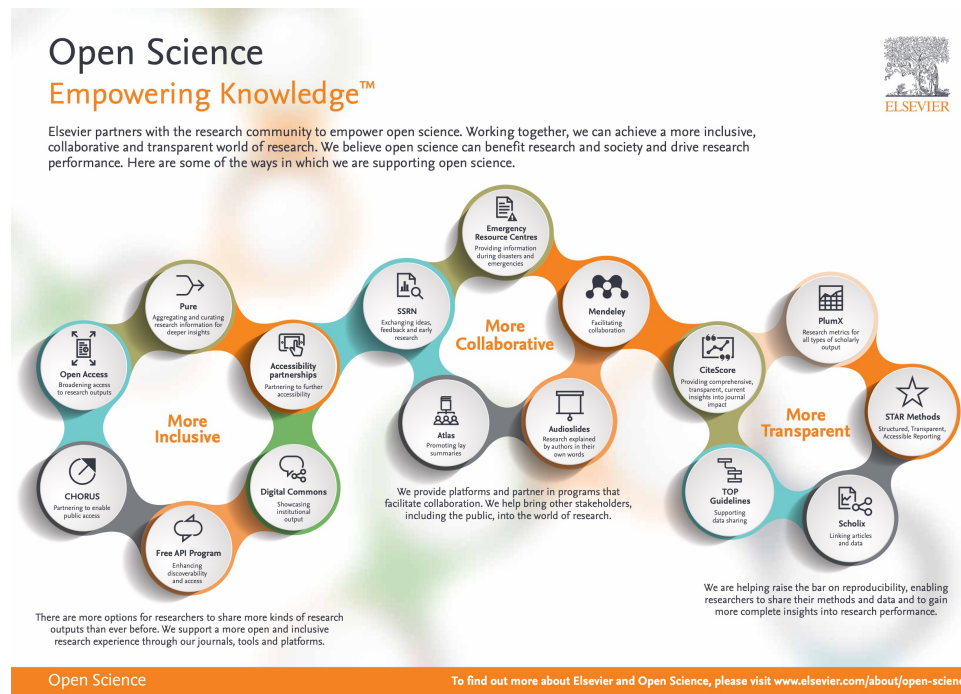
Open science is the movement to make scientific research (including publications, data, physical samples, and software) and its dissemination accessible to all levels of an inquiring society, amateur or professional. Open science is transparent and accessible knowledge that is shared and developed through collaborative networks. It encompasses practices such as publishing open research, campaigning for open access, encouraging scientists to practice open notebook science, and generally making it easier to publish and communicate scientific knowledge.

Source: Wikipedia



Elsevier supports and empowers open science

Working together, we can achieve a more inclusive, collaborative and transparent world of research. We believe open science can benefit research and society and drive research performance.



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Elsevier partners with the research community to empower open science. Working together, we can achieve a more inclusive, collaborative and transparent world of research. We believe open science can benefit research and society and drive research performance. Here are some of the ways in which we are supporting open science.



We provide platforms and partner in programs that facilitate collaboration. We help bring other stakeholders, including the public, into the world of research.

We are helping raise the bar on researchers to share their methods more complete insights into

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More collaborative

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research



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during disasters and
emergencies



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collaboration



Atlas
Promoting lay
summaries



Audioslides
Research explained
by authors in their
own words

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Scholix

Linking articles and data

We are helping raise the bar on reproducibility, enabling researchers to share their methods and data and to gain more complete insights into research performance.



Emergency resource centers: The COVID-19 case



Novel Coronavirus Info Center and Resource Directory

- The Elsevier's Novel Coronavirus Information Center is where you can find expert, curated information for the research and health community on SARS-CoV-2 (the novel coronavirus) and COVID-19 (the disease)
<https://www.elsevier.com/connect/coronavirus-information-center>
- To support the extraordinary efforts of the health and research communities combatting coronavirus, we have created a range of free resources, including textbooks, evidence-based clinical guidance, and more than 20,000 research articles to read, download and data mine. This directory provides a complete overview of those resources.
<https://www.elsevier.com/novel-coronavirus-covid-19>

AI-enabled text and data mining

- **PubMed Central, the WHO COVID Database and other public repositories:** We have made all Elsevier research and data content available to PubMed Central at the NIH's National Library of Medicine and other publicly funded repositories globally for as long as needed while the public health emergency is ongoing.
- **Free access via ScienceDirect:** All Elsevier-published research on COVID-19 and related viruses including journal articles and chapters from our handbooks, reference works and encyclopedias (over 20,000 pieces of content <https://www.sciencedirect.com/quicksearches/coronavirus>) is available for free on ScienceDirect and have been made available as a corpus for download in a machine-readable format with rights for full text and data mining, re-use and analyses for as long as needed.
https://dev.elsevier.com/text_mining.html

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- **Textbooks on ScienceDirect.** Elsevier has granted access to 256 textbooks for all active ScienceDirect customers (including journals customers who do not currently have book access).
https://www.elsevier.com/_data/promis_misc/sd-content/books/edutxt20.xlsx
- For the Italian community, we also now provide **free access to all our ebooks on ScienceDirect** for the next 90 days. This comprises then complementary access to more than 36,000 different monographs together with all our bookseries, encyclopaedias, handbooks, regardless the publication date (back to 1960 till today)

Coronavirus Research Hub

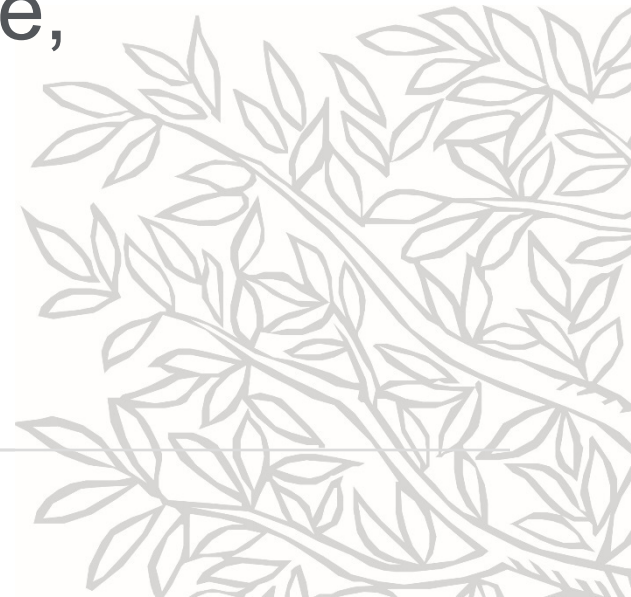
- We are offering a collection of clinical, bio-medical and life sciences research resources and solutions to the community for free, for Coronavirus research through 28th of October 2020. These services may be used by academic, government, not-for-profit and commercial researchers.
<https://www.elsevier.com/clinical-solutions/coronavirus-research-hub>
- We will initially give priority access to researchers working on vaccine, drug, and clinical research while we are working hard to increase the capacity and capabilities of the platform for further use cases.
- The **Elsevier Coronavirus Research Hub** will include access to ClinicalKey, Embase, SSRN, Mendeley Data, the Science Direct Covid-19 collection, Elsevier Text Mining (ETM), Mendeley and the Pure Covid-19 Portal. We plan to bring Reaxys and Veridata EDC online shortly.



Open Data



It's an increasingly common condition of funding that the data associated with your work should be made available, accessible, discoverable, and usable.

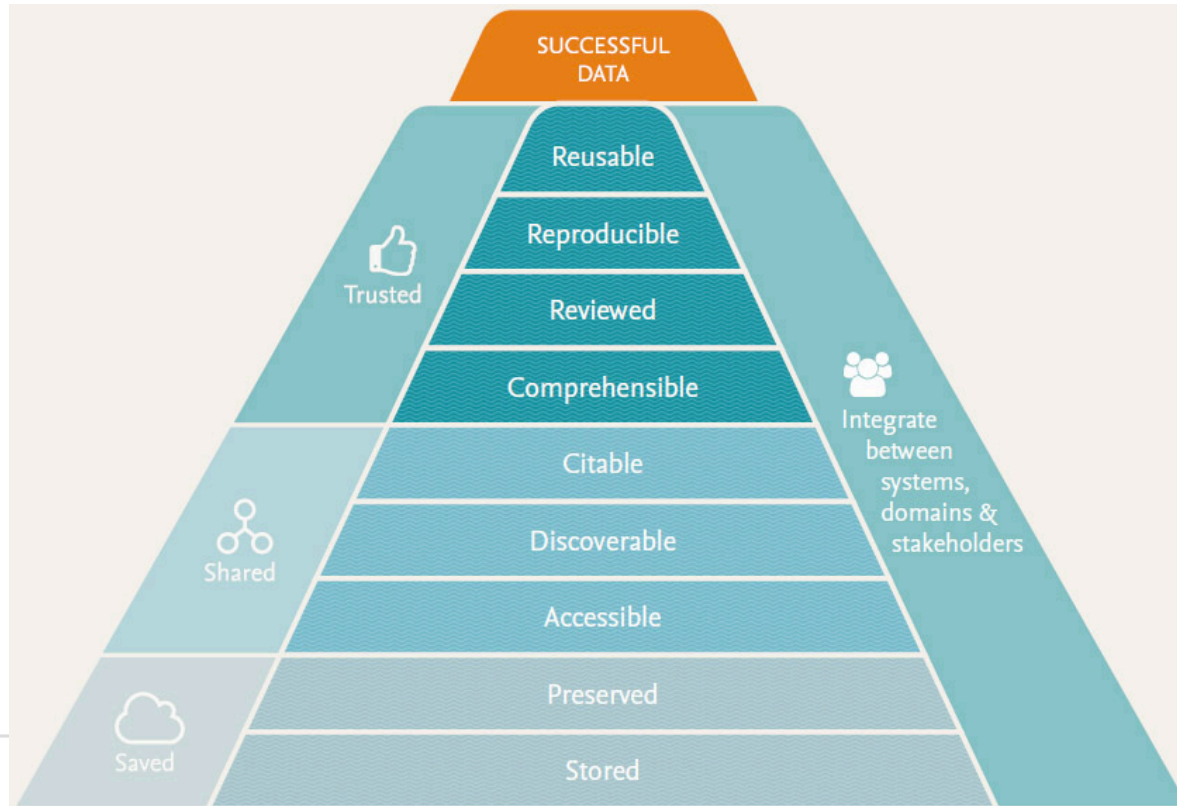




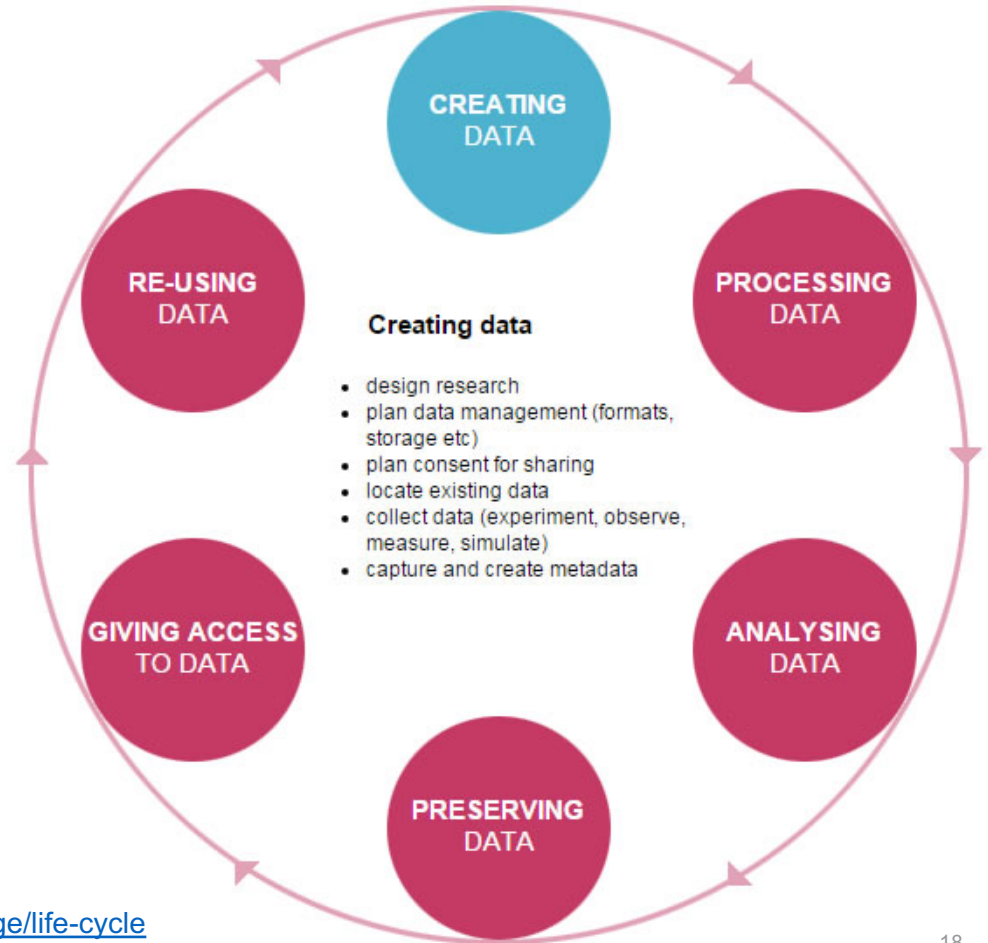
An example of research process

- Use compounds and substances
- Carry out experiments
- Write details in lab notebooks
- Interpret results
- Write the paper
- End of story

10 aspects of highly effective data



Data life cycle



The FAIR DATA Principles

Findable

- Repository
- Persistent Identifier
- Catalog

Accessible

- Longevity
- Legal conditions
- Embargo
- ICT

Interoperable

- Format
- Terminology

Reusable

- Provenance
- Minimal metadata
- Licence
- Not only narrated



Mendeley Data



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Thank you

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