



# Beyond Open Access: the progression to Open Scholarship

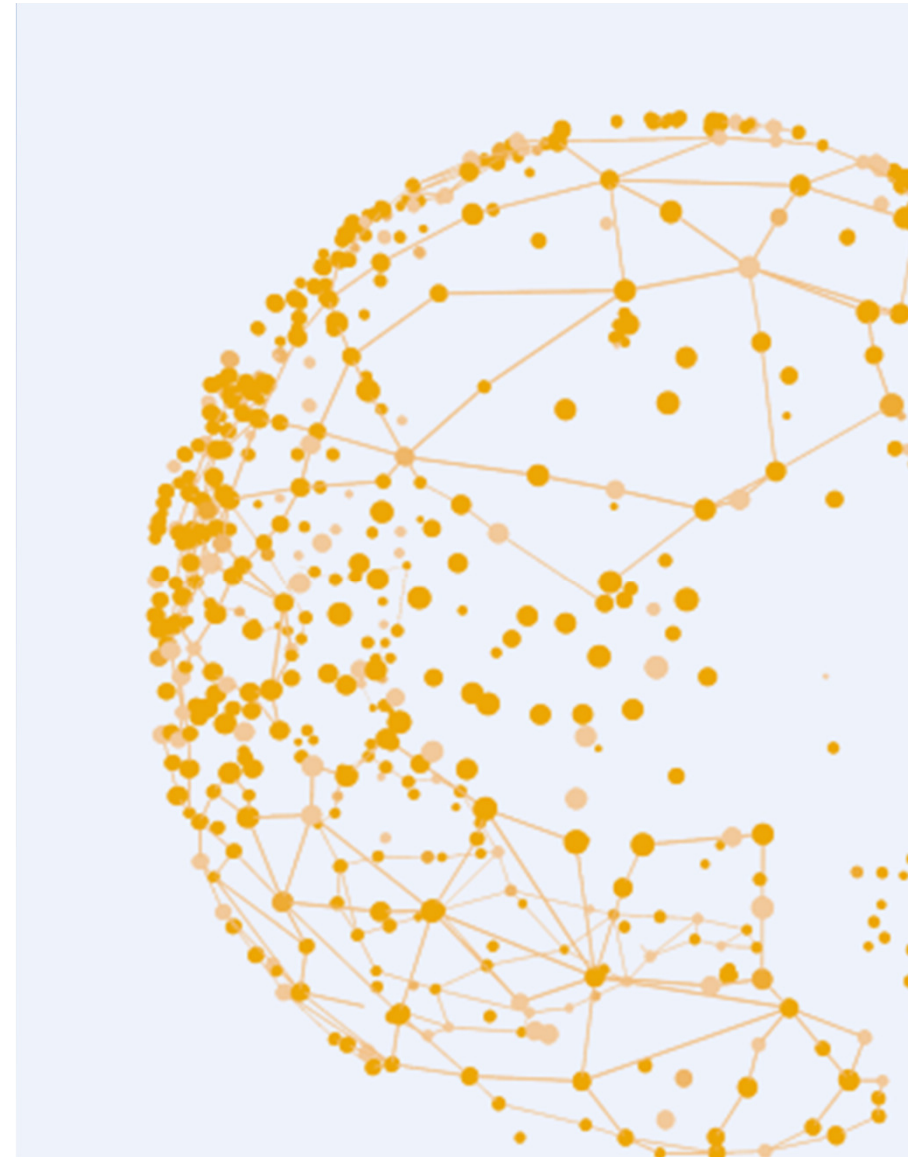
Lyndsey Dixon  
Editorial Director, APAC Journals

[www.tandfonline.com/page/openaccess](http://www.tandfonline.com/page/openaccess)



# Beyond Open Access

- Open Science or Open Scholarship is moving the conversation beyond Open Access publications, to considering how the entire research lifecycle can be opened up.
- Even where a journal is not Open Access, researchers can make their research process open in other ways.



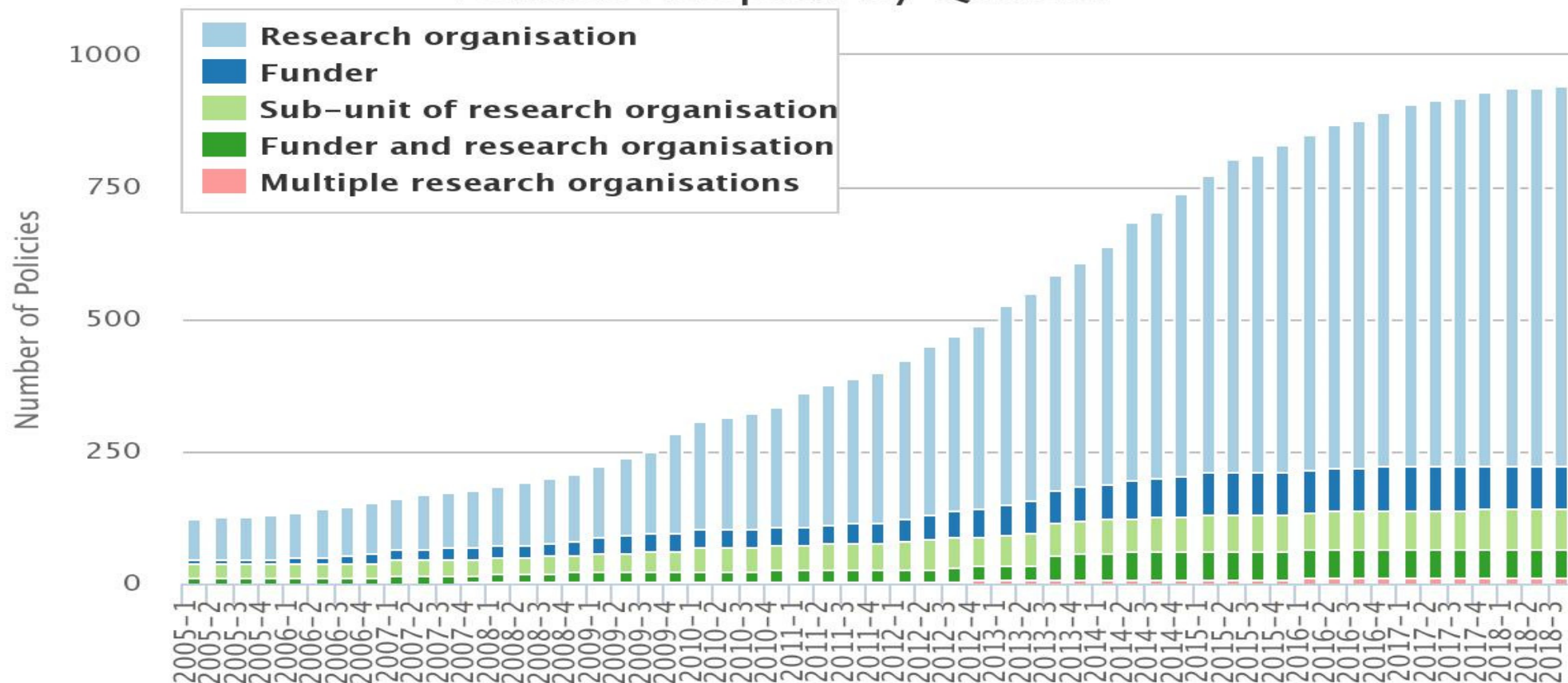


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# CURRENT STATE OF DATA SHARING



## Policies Adopted by Quarter



Home / Places

Share this page

## Place overview

Twitter Facebook Google+

Table view Map view

### Search

Search for a place

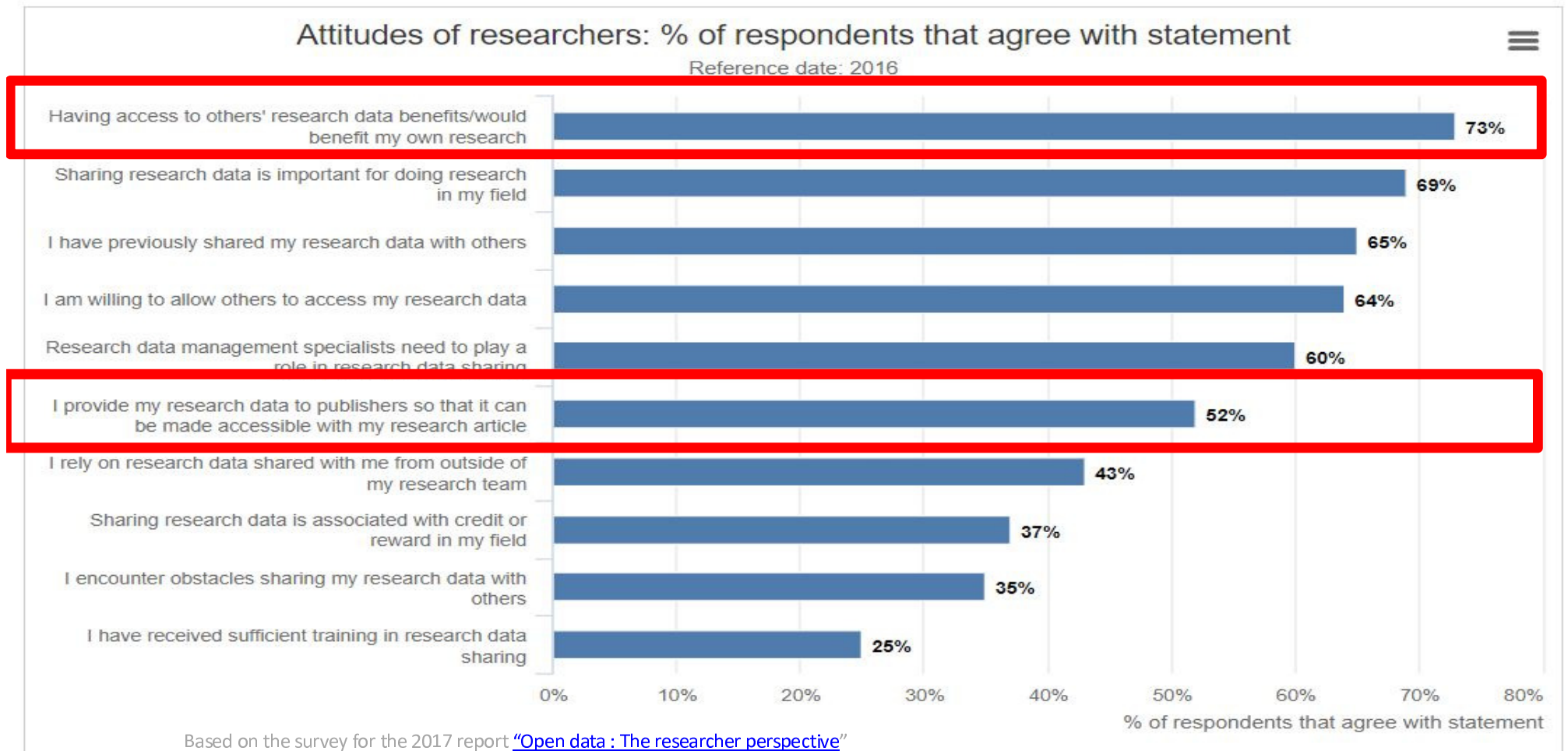
Rank	Place	Government Budget	National Statistics	Procurement	National Laws	Administrative Boundaries	Draft Legislation	Air Quality	National Maps	Weather Forecast	Company Register	Election Results	Locations	Water Quality	Government Spending	Land Ownership	Score
1	Taiwan	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	90%
16	Japan	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	
11	Denmark	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	65%

Japan: 16<sup>th</sup> in world rankings  
 Japan: no data policy currently....  
 Institutions: siloes of repositories and recommendations

<https://index.okfn.org/place/>

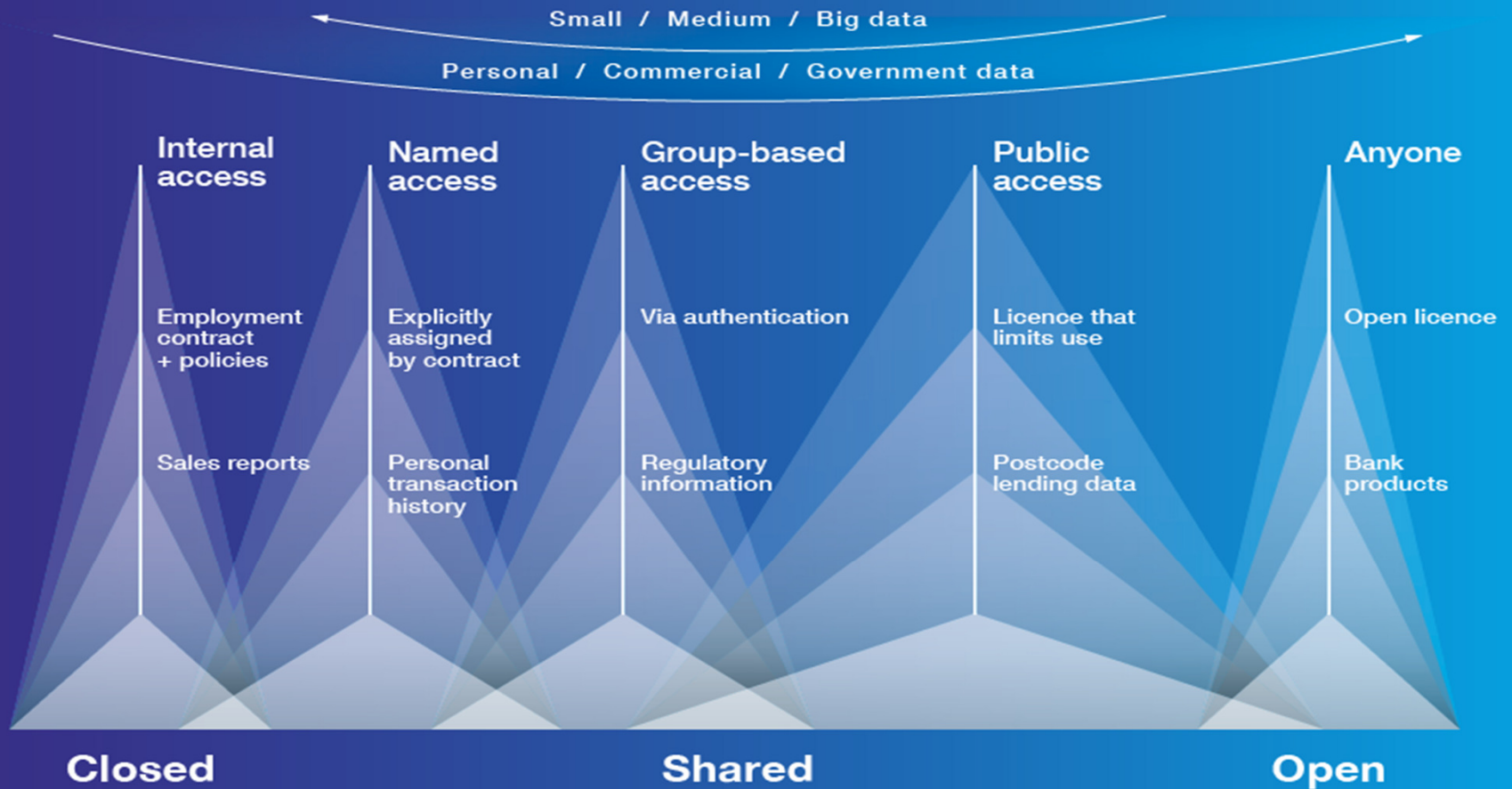


# Attitudes to data sharing





# The Data Spectrum: Banking sector



The Data Spectrum helps you understand the language of data.

[theodi.org/data-spectrum](https://theodi.org/data-spectrum)




## データシェアリングポリシー

詳細はこちらから: [bit.ly/datasharingpolicies](https://bit.ly/datasharingpolicies)

	基本	合理的な要求に基づく共有	公開	オープンデータ	オープンかつ完全にFAIRの基準に準ずる
データ共有のレベル	著者らには、被験者や他のプライバシー保護に違反しない限り、論文で示された研究結果や分析を裏付けるデータを共有、または公表することが奨励される。	ジャーナルに発表する著者らは、合理的な要求にもとづく場合、データを閲覧に供することに合意する。  要求が合理的か否かは著者の判断次第である。	著者らは、データを一般に向けて無料公開するが、二次利用を制限するライセンスを適用、または二次利用の条件が不明瞭である。	著者らは、すべての第三者に対して合法的な目的のための二次利用を許可するライセンスのもと、自分たちのデータを一般に向けて自由に利用できるようにしなければならない。データは見つけやすく、完全にアクセス可能でなければならない。	著者らは、すべての第三者に対して合法的な目的のための二次利用を許可するライセンスのもと、自分たちのデータを一般に向けて自由に利用できるように公開しなければならない。加えて、データは関連分野において確立されたFAIRの基準を満たさなければならない。
論文内にデータの所在を明記する文を追加	強く推奨する	必須	必須	必須	必須
データの引用	強く推奨する	強く推奨する	強く推奨する	必須	必須
データの永続的識別子	強く推奨する	強く推奨する	強く推奨する	必須	必須
データセットに適用されるライセンス	著者の選択による	著者の選択による	著者の選択による	CC0、CCBYまたは同等のライセンス	CC0、CCBYまたは同等のライセンス

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Publishers can assist in providing information on the integration of data sharing into the publishing workflow

AUTHORSERVICES  
Supporting Taylor & Francis authors

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**データ共有：**  
データシェアリングポリシーの基本を理解する

- ✓ Taylor & Francis, Routledge, CogentOAのジャーナルに論文を投稿する
- ✓ 論文に紐づけられているデータセットがある

以下の例は、基本的なデータシェアリングポリシーを持つ私たちの多くのジャーナルにおいて、投稿の際に確認するステップです。著者に対して、データを選択的にポッドリに保存し、論文内で引用し、データ入手可能ステートメントを投稿時に提出することを奨励するものです。

投稿内容を最終確認し、準備ができたなら論文を投稿する

データ利用可能ステートメントを提出論文に告める

データを確実に論文の中で引用し、参考文献に記載する

必要な場合、DOI、データのURL、または他の永続的識別子を提供する

確認：データはリポッドリに保存されていますか？

投稿を中断し、適切なりポッドリにデータを保存する

ジャーナルはデータシェアリングポリシーを採用している

ジャーナルの投稿規定において、データシェアリングポリシーを確認する

論文を投稿するジャーナルを選ぶ

論文に紐付けられたデータセットである

詳細はこちらから  
[bit.ly/datasharingpolicies](https://bit.ly/datasharingpolicies)

OPEN OPEN SELECT

cogent oa

Taylor & Francis Author Servicesでは著者の方に役立つ情報を発信しています

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# Moving to Open Scholarship

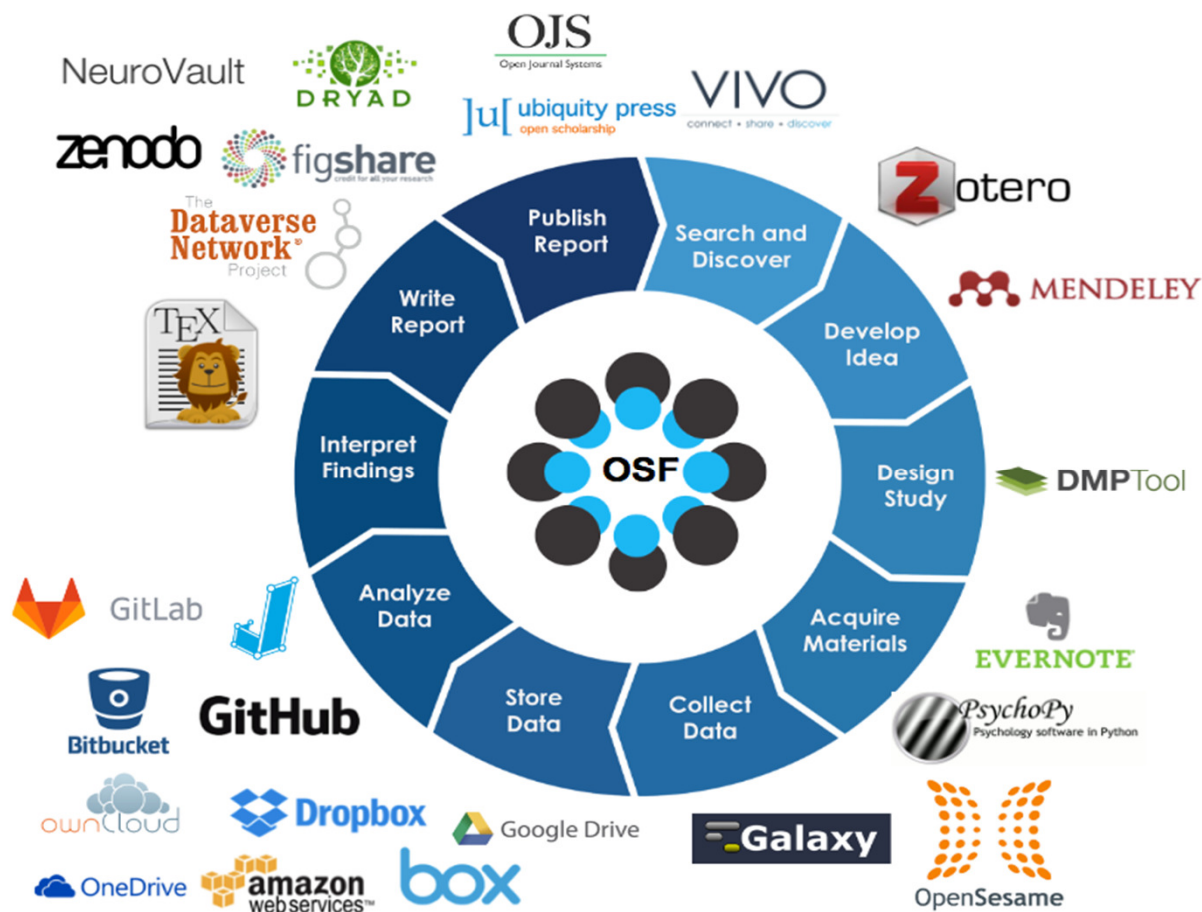


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# Connecting Open elements: driving visibility





# Open data guidelines: encouraging usability and measuring impact

## Signatory of COS TOP Guidelines

- Created by journals, funders, and societies to align scientific ideals with practices
- Over 850 organizations have implemented TOP
- We are in the process of finalising agreement for T&F to become a signatory

## Enabling FAIR Data Commitment Statement

- Enabling FAIR Data project in the Earth, space & environmental sciences
- Advances community towards ensuring research outputs are open and FAIR
- We will soon be endorsing this on applicable journals

## Endorsing FORCE11 Joint Declaration of Data Citation Principles

- Mission to improve research practices by supporting innovations in knowledge sharing
- Connects global communities
- Synthesis of work by a number of groups, including Elsevier & PubMed





## Open Science Badges: recognising openness

Awarded at article level to those papers fulfilling criteria needed to receive one or more badges





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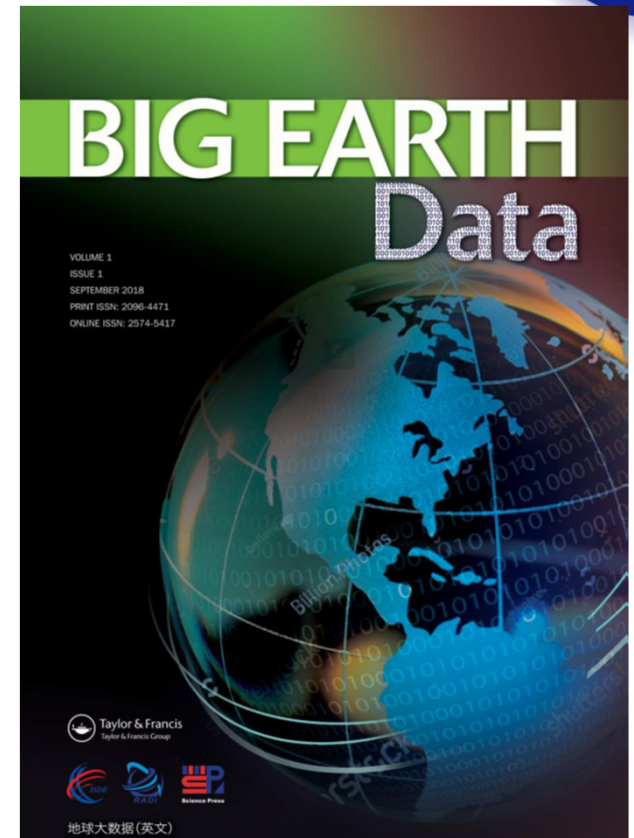
# OPEN SCIENCE IN PRACTICE



# Launching a data journal: insights and learnings



- Flexible data policy
- Data Availability Statement
- Repositories:
  - Can mint a permanent unique identifier, e.g. DOI
  - Archiving policy to ensure preservation in perpetuity
  - Recognized by the community.
- License: CC-BY 4.0
- Citation principles
- Workflow - ease of author use





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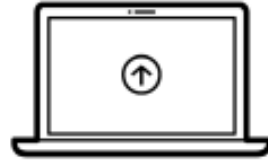
## What are the benefits?

-  Impact
-  Preservation
-  Reproducibility
-  Advancement
-  Credit
-  Collaboration





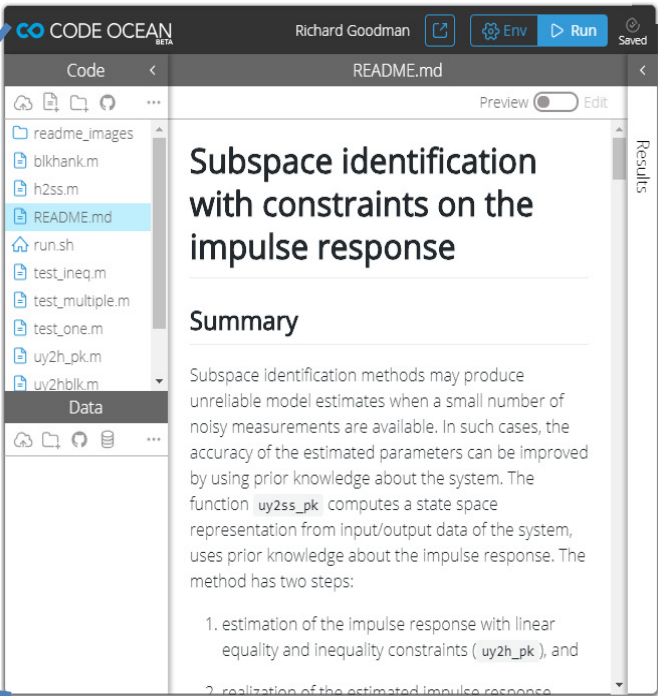
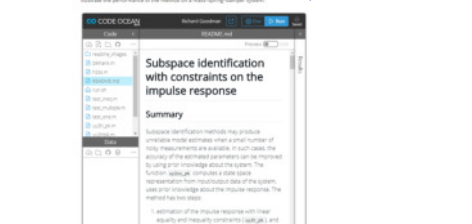
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# How does it work?



# What does it look like?





# What does it look like?



Edit code here

The screenshot shows the Code Ocean web interface. At the top, there are navigation tabs for 'Dashboard', 'Explore', and 'Help'. Below that, the main workspace is divided into several sections:

- Code:** A central editor showing MATLAB code for system identification. A red arrow points to this section with the text 'Edit code here'.
- Metadata:** A panel on the right side of the code editor, containing information about the code run. A red arrow points to it with the text 'Metadata'.
- Code List:** A sidebar on the left showing a list of files and folders, including 'h2ss.m', which is currently selected. A red arrow points to this sidebar with the text 'Code'.
- Data:** A section below the code list, currently empty. A red arrow points to it with the text 'Data'.
- Run Time and Versioning:** A panel on the right side, below the metadata, showing a list of runs with their IDs (e.g., Run 6912727, Run 6636209) and status. A red arrow points to this panel with the text 'Run time and versioning here'.
- Output:** A section at the bottom of the interface showing the results of the code execution. A red arrow points to this section with the text 'View results here'.

Metadata

Code

Data

Run time and versioning here

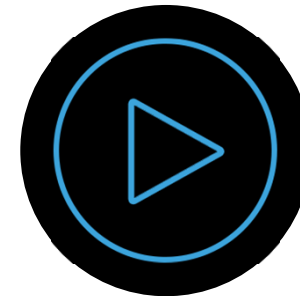
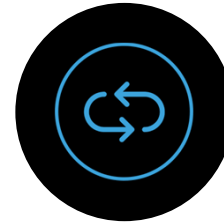
View results here





## What are the benefits?

- **Visibility**  
Brings authors work alive in an executable environment and provides a new digital signposts for end users.
- **Usability**  
Code Ocean allows other researchers to run the code, to test for reproducible results, and also execute the code with new input values.  
• And for users to run multiple versions of the algorithm augmenting the code or/and using alternative inputs
- **Impact**  
There is a positive correlation between the availability of code and software and the number of citations





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# OPEN SCIENCE PROGRESSION CONSIDERATIONS



# Standards and protocols for an interoperable future



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## Discoverability, accessibility, usability



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# Reward and recognition to incentivise adherence



The screenshot shows the top section of the European Commission's Open Science Monitor website. At the top left is the European Commission logo. The main header reads 'RESEARCH & INNOVATION' and 'Open Science'. Below this is a navigation bar with links for 'Home', 'Open Access', 'European Open Science Cloud', 'Open Science Policy Platform', and 'Expert Group on Altmetrics'. The main content area is titled 'Open Science Monitor' and features a prominent article titled 'G7 Science Ministers committed to giving incentives for open science and to providing research infrastructures on the basis of FAIR data'. To the right of this article is a box titled 'A Vision for Europe' containing a list of three items: 'Open Innovation', 'Open Science', and 'Open to the World'. Below this box is an 'Events' section with a link to 'See all events'.

European Commission

RESEARCH & INNOVATION  
Open Science

European Commission > Research & Innovation > Open Science

Home Open Access European Open Science Cloud Open Science Policy Platform Expert Group on Altmetrics

Open Science Monitor

## Open Science

### G7 Science Ministers committed to giving incentives for open science and to providing research infrastructures on the basis of FAIR data

The G7 Science Ministers met in Venaria (Italy) on September 28th and they discussed how the G7 nations could lead efforts to materialise the benefits of the Next Production Revolution. In this context, the G7 Ministers also recognized that technological and societal developments are transforming research towards paradigms of open science. They stressed the importance of incentivising and rewarding Open Science activities and providing global research infrastructures which would allow for an optimal re-use of data on the condition that we can make this data FAIR(Findable, Accessible, Interoperable and Re-usable).

- See point 19 and 20 of the G7 Science Ministers' Communique

#### A Vision for Europe

- Open Innovation
- Open Science
- Open to the World

#### Events

**7 November 2017, Brussels, Belgium** - 2nd COLUMBUS Annual Conference 2017 "Achieving Impact from Marine Research"

[See all events](#)



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