



Open Science is...









Our Experience

Historically, donors have made large investments without requiring good practice in data management and sharing

Technical investments that have been made tend to focus on platform or data collection not mindful of a broader 'data ecosystem' perspectives

If processes continue as normal, we expect constraints to data use to be perpetuated...







Constraints to Data Utility

Data Management Processes	Data Quality - Data is fit for purpose for its intended use. Quality can include accuracy, timeliness, completeness and consistency
	Data Standards - Reusable agreements that make it easier for people and organisations to publish, access, share and use better quality data
	Data Security & Privacy - The operational risks of handling and storing data are understood and managed routinely
	Data Management Plans - Plans to ensure that all relevant aspects of data management are considered and people, processes and resources are in place
	Sharing & Access - Sustainable processes in place to share and access data including common data request processes, findable data, suitable formats, clear terms and conditions for use (licensing, IP, data sharing agreements), and clear records of who is accessing and sharing data
	Governance - Clear roles, responsibilities and accountability regarding the management, strategic direction and integrity of high value datasets
Knowledge & Skills	Data Literacy - knowledge and skills required by anyone interacting with data, from beginner through to expert level
OKIIS	Trust & Benefits - benefits of sharing data and there is trust in processes and best practice to access, use, share and safeguard data
Strategic	Trust & Benefits - benefits of sharing data and there is trust in processes and best practice to access, use, share and safeguard data Policy - well-written national/organisational data policy that clearly defines the commitment of the government/organisation to publish, share and consume data
Strategic Oversight	Trust & Benefits - benefits of sharing data and there is trust in processes and best practice to access, use, share and safeguard data Policy - well-written national/organisational data policy that clearly defines the commitment of the government/organisation to publish, share and consume data
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Incentives to openness & sharing





The Data Spectrum helps you understand the language of data.



Open and FAIR(ER)



Adapted from Preva Group



Supporting FAIR(ER) data and content

Data should be increasingly **FAIR** (Findable, Accessible, Interoperable, Reusable), as well as **Ethical** so that insights can be **Reproducible**

In order to deliver FAIR data and the associated positive impacts **all** these elements need to be in place:

- We need to have the right **people** identified
- We need to give the right people the right knowledge to build data **literacy**
- We need to have the right **process** in place (rules, policy and guidelines)
- We need the right enabling **technology**

If any of these elements are missing, or are not effective, then the likelihood of not achieving the desired positive impact increases.

Promoting accessibility also should consider **Ethics** and **Legal** aspects to promote Responsible use and **Reproducible** results







