Making data policies FAIR

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RDA Europe / EOSC Future Domain

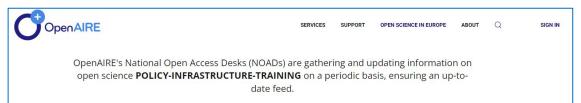
Ambassador for standards, repositories

and policies



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Many stakeholders want to monitor the OS policy landscape



https://www.openaire.eu/os-eu-countries



https://www.eosc.eu/monitoring-and-reporting

https://eosc-portal.eu/policy/EU-Countries

Currently, a manual process

- Mainly through surveys at national level
- Time consuming to collect and analyse
- Hard to compare the actual content and coverage of the policies across Europe

AA9 Landscape Monitoring

Monitor <u>standardised</u> national Open Science and FAIR data strategies, including the description of these policies.



SRIA: https://www.eosc.eu/sites/default/files/EOSC-SRIA-V1.0_15Feb2021.pdf

FAIRsFAIR Policy Resources

FAIR-enabling data policy checklist

helps policy makers review whether their data policies are FAIR-enabling and provides practical recommendations

Policy element	Good practice recommendation	Tick the statement that best reflects your policy		
Title of the policy	To support findability, policies should have a title that makes clear whose policy it is and what the policy relates to.		The policy has a clear and appropriate title.	
			The title of the policy would benefit from being made more explicit.	
			The policy does not have a title.	
Year the policy was introduced	To support both human interpretation and machine actionability, the policy should make clear the period of validity, differentiating between the date it was written and the date it was implemented where necessary.		The policy clearly states when it came into effect and provides a scheduled review date.	
			The policy clearly states when it came into effect but does not provide a scheduled review date.	
			The policy does not make clear when it came into effect or provide a scheduled review date.	
Persistent Identifier (PIDs) of the policy document	PIDs should be assigned to clearly versioned policies to ensure that the right version can be found and fed into machine actionable pipelines.		The policy has a persistent identifier such as a DOI.	
			The policy does not have a persistent identifier such as a DOI.	
Policy is registered	Policies should be registered with services such as FAIRsharing or similar to improve their findability for various end users.		The policy is registered with one or more registry services	
			The policy is not registered	
Availability of the policy	Policies should be openly available and described consistently using a structured data markup schema to support both		The policy is openly available online in a structured format.	
			The policy is openly available online (e.g., HTML, PDF).	
	human and machine			

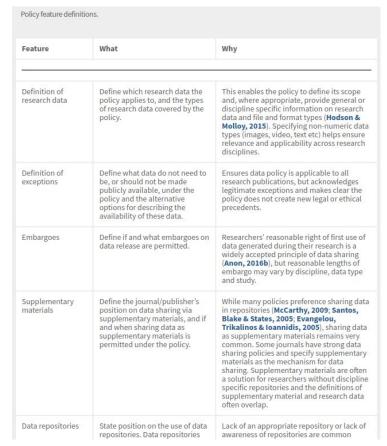
Structured policy description template

Includes policy checklist elements and enables policy makers create and share structured versions of their data policies

Number	Section	Policy Element	Options	
1	1	Title of policy	Free text	
2		Availability of the policy		
3		Country/Countries	Free text	
4		Year policy was introduced	Free text	
5		Status of policy		
6		Policy is scheduled for review		
7	Policy Context	If scheduled for review, when will this take place?	Free text	
8		Persistent Identifier (PID) for policy (i.e., not a question about whether policy requires PIDs but rather is there a PID for the policy document itself)		
9		Policy is registered	3,	
10		Subject area/discipline covered		
11		Sub-discipline if applicable	Free text	
12		Type of policy		
13		Scope of the policy		
14		Definition of data provided		
15		Sharing research software		
16		Data sharing	Suggested	
17		Alignment with FAIR principles	Required	
18		Metadata sharing		
19		Exceptions to data sharing are allowed	Not covered	
20		Policy includes expectation on data management planning (DMP) development	Other	
21		If a DMP should be developed, please indicate the stage at which it should be produced		
22		Is there an expectation that the DMP will be updated and clearly versioned?		

Resources are available from https://fairsfair.eu/policy-recommendations-and-support-programme

RDA Journal Policy Features



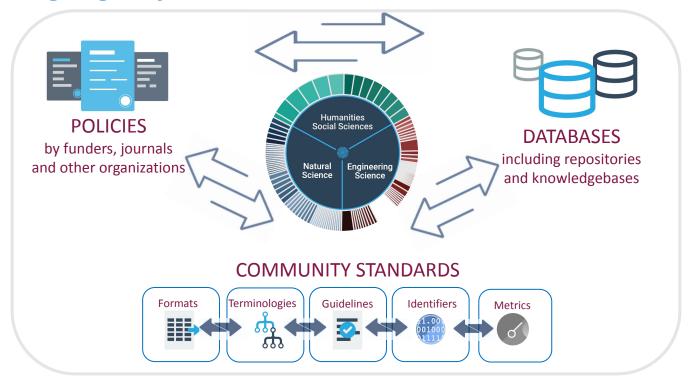


The RDA Data Policy Standardisation and Implementation Interest Group has defined and described 14 features of journal research data policies and arranged these into a set of six standard policy types or tiers.

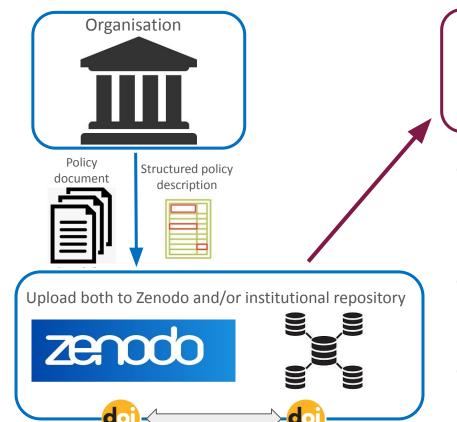
These can be adopted by journals and publishers to promote data sharing in a way that encourages good practice and is appropriate for their audience's needs.

http://doi.org/10.5334/dsj-2020-005

FAIRsharing registry



FAIRsharing provides **curated descriptions** and **relationship graphs** of standards, databases and policies in **all disciplines**



Link DOIs in metadata records

FAIRsharing.org

standards, databases, policies

Register policy and include DOI to deposited versions and vice versa

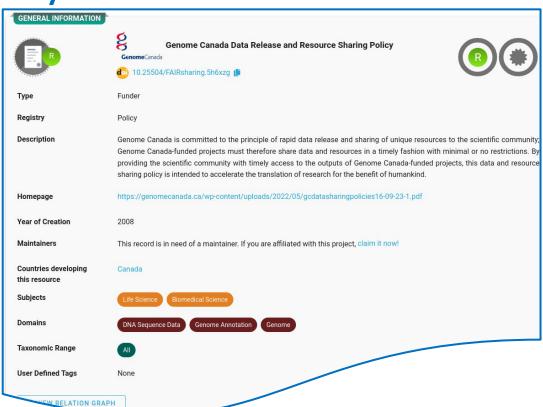
- FAIRsharing recently updated their metadata to include most of the fields recommended by FAIRsFAIR so descriptions of content are more comprehensive
- Registering provides an openly available structured description of your data policy that is machine readable
- Very useful for monitoring the landscape with minimal effort!

Curating FAIRsharing Policy Metadata

I found that adding [the new policy] metadata was extremely helpful for me to understand concretely what should go in such a Policy, ideally.

And found out [a] particular policy is lacking many of these important elements ... Which I can now bring to their attention!

Gabriel Pelletier, FAIRsharing Community Curator for Neuroscience

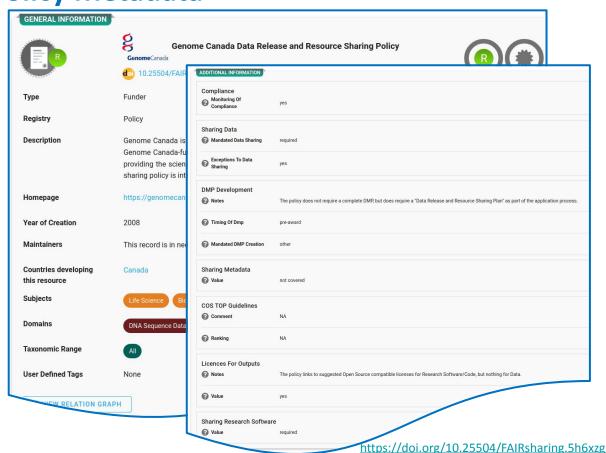


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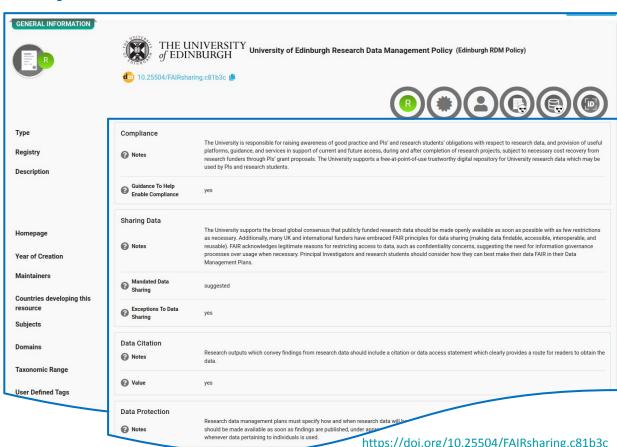


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Benefits of this approach

- Ensures policies align with FAIR
- Ensures policymakers are in control of updates
- Utilises freely-available repositories and registries
- Policies and a structured description of their content are available to multiple stakeholders for a variety of uses (EOSC Association, OpenAIRE, EOSC Future, etc).

Thank you!

More information at

https://dcc.ac.uk/blog/fairsharing-and-dcc-collaborate-align-policy-metadata

https://blog.fairsharing.org/?p=451





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