

Key Information

Contact details

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Project website

https://www.pistoiaalliance.org/ projects/current-projects/fairimplementation/



Key project info resources http://fairmm.pistoiaalliance.org/



Sponsors/Steering











Contributors



















(Roche)



MANCHESTER



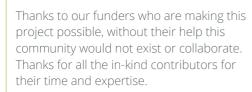












FAIR Maturity Matrix

Why a FAIR organisational maturity model?

Organizations are at different stages in implementing FAIR data principles. FAIR data metrics exist but are not sufficient Benchmarking across organizations is very hard. Organizations spend time clarifying situations, defining possible actions for desired outcomes, and road mapping. How to assess, qualify, and manage progress towards FAIR implementation?

Intended use

The FAIR Maturity Matrix is a descriptive (self-)assessment instrument for Leadership and Communities of FAIR data practitioners evolving in the life-sciences. It provides a frame for actionable conversations, aligning stakeholders towards shared FAIR implementation goals. It is not a prescriptive model: each organization and their journey are unique. "More FAIR" is not a goal per se and should align with organizational and business goals.

Levels

There are 6 maturity levels, L0-L5, in alignment with FAIR data frameworks.

Capabilities tend to be cumulative (Level N encompasses Level N-1).

Level 4 reflects current best practice. Level 5 is aspirational.



Dimensions

7 dimensions were identified to provides a complementary perspective on FAIR journeys:

- Data, metadata, data products
- **Leadership** necessary for FAIR implementation
- **Strategy** for FAIR stage and how to get there
- **Roles** necessary to implement FAIR
- Processes which must be implement
- **Knowledge** required for FAIR implementation
- FAIR Tools (e.g. persistent identifiers controlled vocabularies semantic models

The dimensions are not hierarchical.

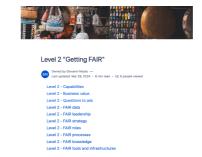
Each column and row point to the respective definitions. The cells point to a narrative text describing the related characteristics. Each cell can be viewed in the context of either level (column) or also of its evolution (row).

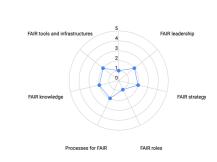
	0 Life is unFAIR	1 Started the FAIR journey	2 Getting FAIR	3 Pretty FAIR	4 Really FAIR	5 FAIRest of them all
FAIR data	data 0	data 1	data 2	data 3	data 4	data 5
FAIR leadership	leader 0	leadership 1	leader 2	leader 3	leader 4	leader 5
FAIR strategy	strategy 0	strategy 1	strategy 2	strategy 3	strategy 4	strategy 5
FAIR roles	roles 0	roles 1	roles 2	roles 3	roles 4	roles 5
FAIR processes	process 0	process 1	process 2	process 3	process 4	process 5
FAIR knowledge	knowledge 0	knowledge 1	knowledge 2	knowledge 3	knowledge 4	knowledge 5
FAIR tools	tools 0	tools 1	tools 2	tools 3	tools 4	tools 5

Contents

A summary of all levels is provided as first orientation. For each one a summary of generally observable features, capabilities and issues is given. Each level has description of: Capabilities, Business value, Questions to ask. Further each dimension a narrative text describes each dimensions. The "tools" dimension also includes relevant references.







Resources

Since its inception in 2018, the FAIR implementation project created among

fairtoolkit.pistoiaalliance.org: resources and uses cases of FAIR in life-sciences

fair4clin.pistoiaalliance.org: a document mapping FAIR in the clinical space

fairmm.pistoiaalliance.org:an organizational maturity model for FAIR

Getting involved

Feel free to use the model and to cite it (http://fairmm.pistoiaalliance.org/ is CC BY 4.0). To get involved, provide feedback or co-create the next version, feel free to write us at fair-maturitymatrix@pistoiaalliance.org



Pistoia Alliance: Lowering barriers to R&D innovation

The Pistoia Alliance is a global, not-forprofit alliance of life science companies, vendors, publishers, and academic groups that work together to lower barriers to innovation in R&D.

Our members collaborate as equals on open projects that generate significant value for the worldwide life science community.

