PISTOIA ALLIANCE

FAIR-for-pharma
Community of Experts

To create value and guide strategic decision-making in pharmaceutical and healthcare organisations, data needs to be Findable, Accessible, Interoperable and Reusable (FAIR) both by humans and machines. The objective of the Pistoia Alliance FAIR implementation Community of Experts (CoE) is to enable the implementation of FAIR data principles in the life sciences.

Focused Working groups in our community address Good practices, business value as well as tools and infrastructure for FAIR. The common goals are set with the leadership of the Steering group, which comprises the sponsors of the CoE. We hold regular online collaborative sessions to work towards shared deliverables. Face-to-face workshops, in conjunction with annual Pistoia Alliance conferences facilitate and accelerate the work carried out online throughout the year.

Sponsors/ Steering

Roche
Pfizer
ONTOFORCE
Elucidata
XponentL Data

Contributors include

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Thanks to our funders who are making this project possible, without their help this community would not exist or collaborate. Thanks for all the in-kind contributions for their time and expertise.

Resources

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

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

FAIR toolkit

FAIR data principles implementation requires resources to navigate its complexity and enableits implementation.

The FAIR toolkit provides a practical support to organizations in their FAIR journeys including industry use-cases, methods, references .

Domain, specific, the Toolkit is designed by and for stakeholders in life-science organisations

The toolkit was started in 2018 and is maintained since by Pistoia Alliance FAIR implementation members.

FAIR Toolkit
1. Metric Tools & Best Practice
2. Training resources
3. Culture change process
4. Use case examples
5. Cost benefit examples
- Adapt for Life Science industry
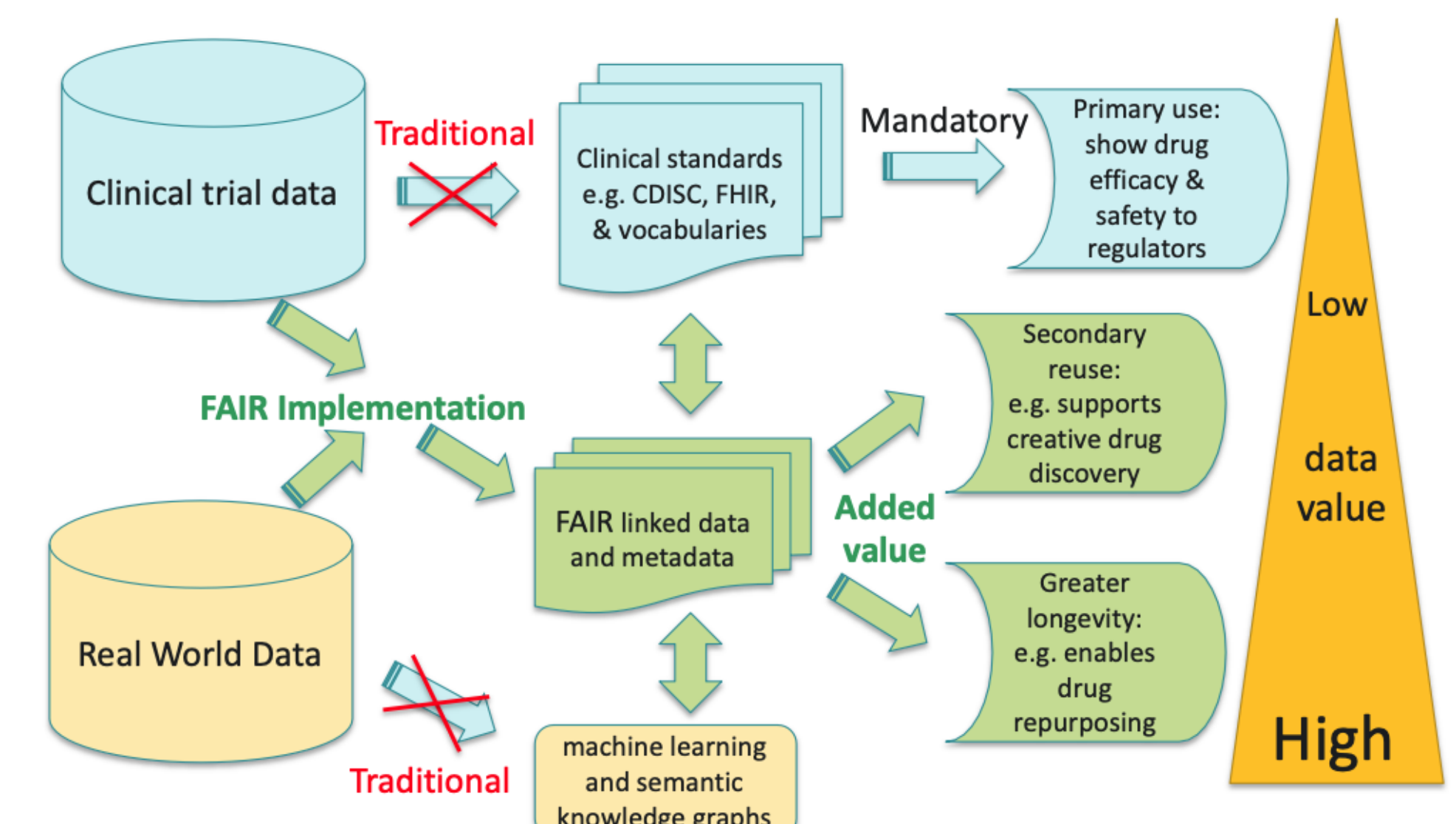- Leverage existing FAIR resources

FAIR 4 Clin

Data standards (e.g. CDISC) exist for clinical trial submission, but this does not make clinical data FAIR.

It is unclear how much value is untapped in clinical data which are not FAIR. FAIR clinical data will add substantial value

FAIR4Clin documents the state of FAIR implementation in the clinical space, targeting data practitioners in the clinical field such as clinical data managers or analysts.
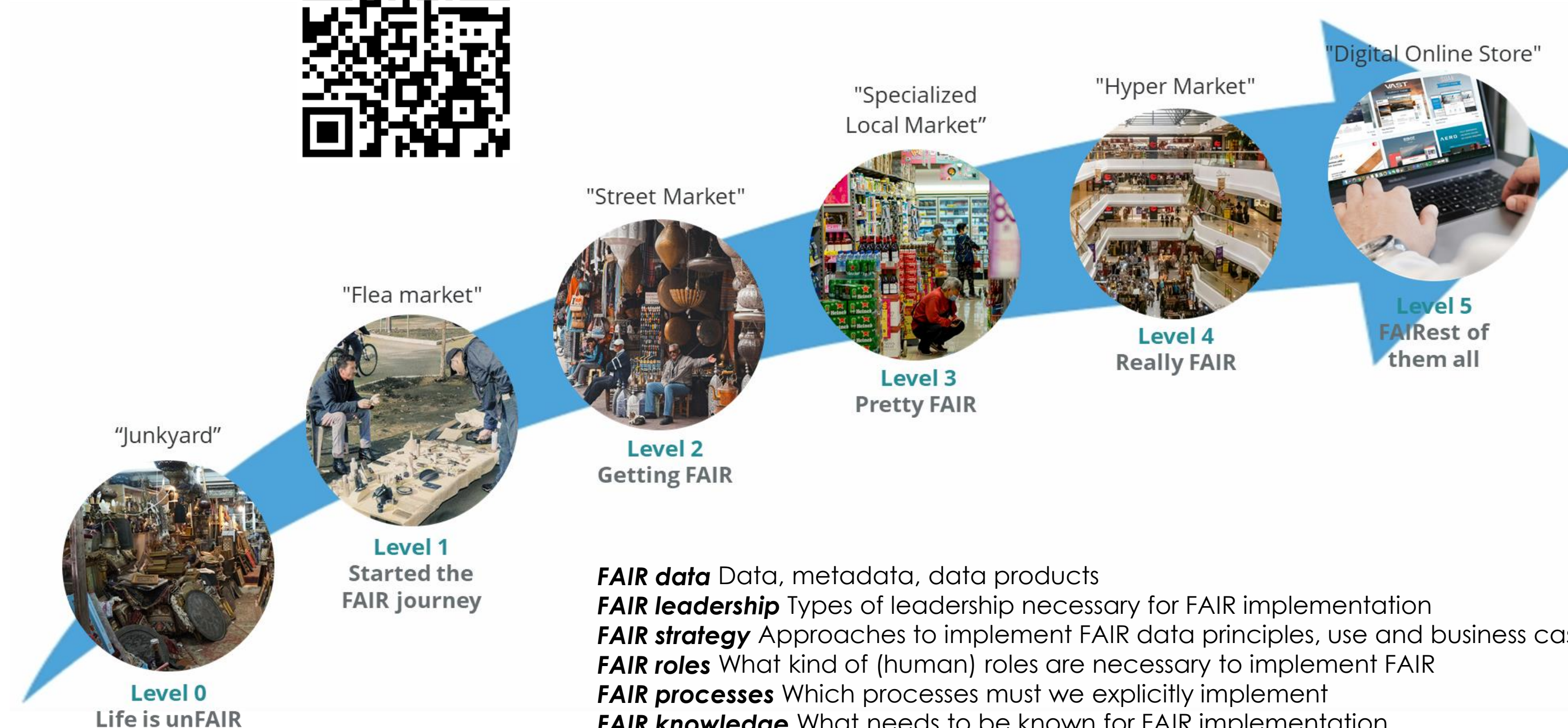

FAIR Maturity Matrix

As FAIR *organisational* maturity model, it provides a means to assess the current state of an organisation, as well as directions for improvement.

It is designed to be practical and flexible, recognizing that each organization and their journeys are unique

It aims to support FAIR implementation in alignment with business goals not FAIR for the sake of FAIR

FAIR data Data, metadata, data products
FAIR leadership Types of leadership necessary for FAIR implementation
FAIR strategy Approaches to implement FAIR data principles, use and business cases
FAIR roles What kind of (human) roles are necessary to implement FAIR
FAIR processes Which processes must we explicitly implement
FAIR knowledge What needs to be known for FAIR implementation
FAIR tools and infrastructures From persistent identifiers to ontologies

Get involved!

Interested in a FAIR MM assessment?

FAIR business survey

FAIR-for pharma 2025

For more information and follow up, email giovanni.Nisato@pistoiaalliance.org

Pistoia Alliance: Collaborating to lower barriers to R&D innovation

The Pistoia Alliance is a global, not-for-profit 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.

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