Exposing repository trustworthiness & FAIR data assessments

FAIR-IMPACT supports the implementation of FAIR-enabling practices, tools and services. The goal is to develop guidelines and a prototype on trustworthiness. This shall showcase that exposing (meta)data, as well as accompanying evidence and breaking up information silos, adds value to certification, discovery portals, and assessment.

Transparency & Standards

Data regarding FAIRness shall be provided following open technical standards and community recommendations such as RDF and RDA outputs as to digital objects, (meta)data services & registries to foster interoperability and harmonization.

Evidence & Assessment

(Meta)data services providing information about their functions and activities should include evidence and links to authoritative third parties, such as CoreTrustSeal, enabling validation and assessment by human and automated processes.

Linking & Aggregation

As information varies in terms of level of detail, contexts, and time, it should be linked across different services and data providers to foster discovery and aggregation by registries, assessment tools etc. to provide additional value and insights to users.

Initial recommendation

- (meta)data services should be placed in control of their own information
- maximise consistency and machine-actionability
- exposure of any particular metadata must not be enforced or mandated
- multiple evaluation tools should be used that support both machine and human-friendly implementation
- providing annotated test datasets for calibration and verification
- badges should make tools and metrics used recognizable to humans
- assessments should be machine readable, making use of existing standards, and include a minimum set of metadata

Prototype

The guidelines aim for better integration and reuse across services. Hence a prototype will be developed to showcase the guidelines' implementation and potential.

Its purpose is to transform the concepts into a tangible representation that allows to validate and understand limits and feasibility. Its goal is to collect feedback and ideas for added values from stakeholders and to revise and improve the initial concept . The envisioned demonstrator will start with the embedded organisations in FAIR Impact, but its scope is planned to be expanded later on. Maybe including you? Stay tuned!