eosc | FAIR Metrics and Digital Objects Task Force

FAIR Metrics and Digital Objects

2024-12-11 by Johan Fihn Marberg

Bakgrund

- Fokuserar på federering av FAIR Data ur ett EOSC-perspektiv
- Utforskar begränsningarna i de nuvarande digitala ekosystemen, framförallt EOSC och övriga Data Spaces
- Ska ta fram nya FAIR Metrics som kan användas till att bedöma lämpligheten för federering av data och repositorier

- Kopplar till följande punkter i The Strategic Research and Innovation Agenda (SRIA)
  - Strategic Objectives SO4 (increased FAIR by design)
  - Strategic Objectives SO5 (EOSC Interoperability Framework of FAIR DOs)
  - Operational Objectives OO5 (specifications for FAIR DOs)
  - Operational Objectives OO6 (FAIR metrics)

FAIR Metrics and Digital Objects Task Force

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Huvudsakligt uppdrag

- Identify the limitations of the current FAIR assessment, which is mainly focused on the FAIRness of the repository, for evaluating the reusability of data. Currently, the FAIR assessment is mainly focused on the discoverability of data, which is insufficient for assessing the capability of data to be federated.
- Watch and promote initiatives (such as GREI, Signposting, RO-Crates, etc) to facilitate the definition of common metadata schemas and their interoperability.
- Identify issues on data privacy, considering data usage, data access and data licensing and specification for machine-actionable data usage policies (e.g. ODRL)
- Analyse the impact of provenance, especially in the context of federated environments.
- Identify synergies with the Data Spaces initiative.
- Define FAIR metrics according to the objectives of the task force.
- Engage with research clusters, empowering them to implement data quality practices tailored to their unique contexts by actionable recommendations, like DQ indicators to ensure data quality, addressing areas, for example, AI training and input data.

Fokusområden

- KFA1: Survey and analyse the benefits and limitations of the existing technologies for metadata schemas and their interoperability, focusing on the reusability of data and provenance.
- KFA2: Identify issues and limitations when dealing with private data in repositories, focusing on the managing of data access limitations.
- KFA3: Identify synergies and complementarities with respect to the Data Spaces, especially considering the Simpl Open middleware and the implementation at the different Data Spaces.
- KFA4: Proposal of FAIR Metrics for the evaluation of the reusability of data, considering the analysis of the previous Key Focus Areas.
- KFA5: Developing data quality indicators, establishing a support framework, and outlining what EOSC can offer in terms of data quality enhancements are critical for fostering a robust data ecosystem.

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