



DATA MANAGEMENT

Federated Data and Service Catalogue

Trustable management of domain-specific data and service offering metadata, enabling interoperable data sharing and exchange across digital ecosystems, based on the Eclipse Cross Federation Services Components (XFSC) open source project.

Technology Offerings

Managing and integrating heterogeneous data is a significant challenge in many applications. Our data management research group develops scalable solutions for both small and large data sets across various domains, including life sciences, healthcare, manufacturing/ logistics and tourism.

We integrate data from diverse sources and make it accessible for analysis. Our sophisticated metadata management approach extracts metadata from various sources, enriches it with semantic annotations, and integrates it through semi-automatic matching.

Individual Application Profiles

Your application is unique! We design a set of metadata elements, policies, and guidelines to create custom application profiles tailored to your needs.

Metadata Service Offering

Keep your data private while maximizing its discoverability! Store your data on your own server, and we'll define metadata to make it searchable in the data space without exposing the actual content. Feel free to add this sentence: Secure your data, enhance search capabilities, and maintain full control over what information is shared.

Trustable Management

You control who accesses your data. With digital signatures from certified organizations, you know exactly whom to trust.

Interoperable Data Sharing

Reuse your data with ease! Built on the Eclipse Dataspace Components, our service offers interoperable data formats. Need more semantic mapping? We can provide extensions to suit your needs.

Towards merging Ecosystems

You work with multiple ecosystems? We connect them. As we enhance our service catalogue, we will seamlessly integrate more ecosystems, ensuring smooth transitions between them.

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