



INTERNATIONAL DATA
SPACES ASSOCIATION



EDC facts

Contributions to the development of Dataspaces

International Data Spaces Association - IDSA

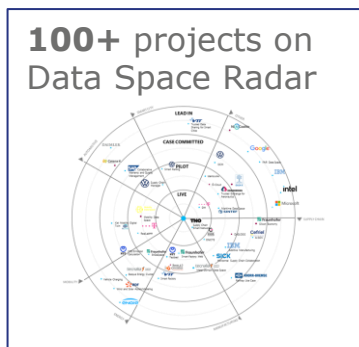
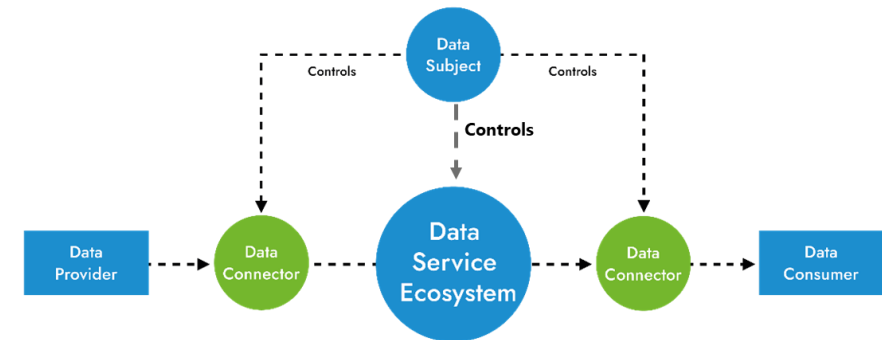
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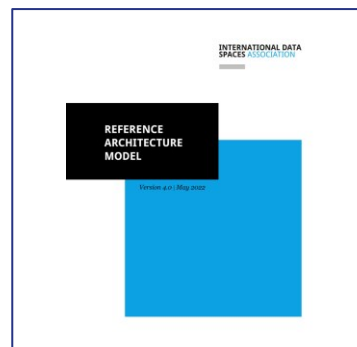
Founded in 2016 as member association with 130+ international members today.

Our goal

- is the creation of a standard for data exchange and data sharing while maintaining data sovereignty → Data Spaces
- and the adoption of this in data space use cases



Data
Connector
Report



Reference
Architecture
Model



Rulebook



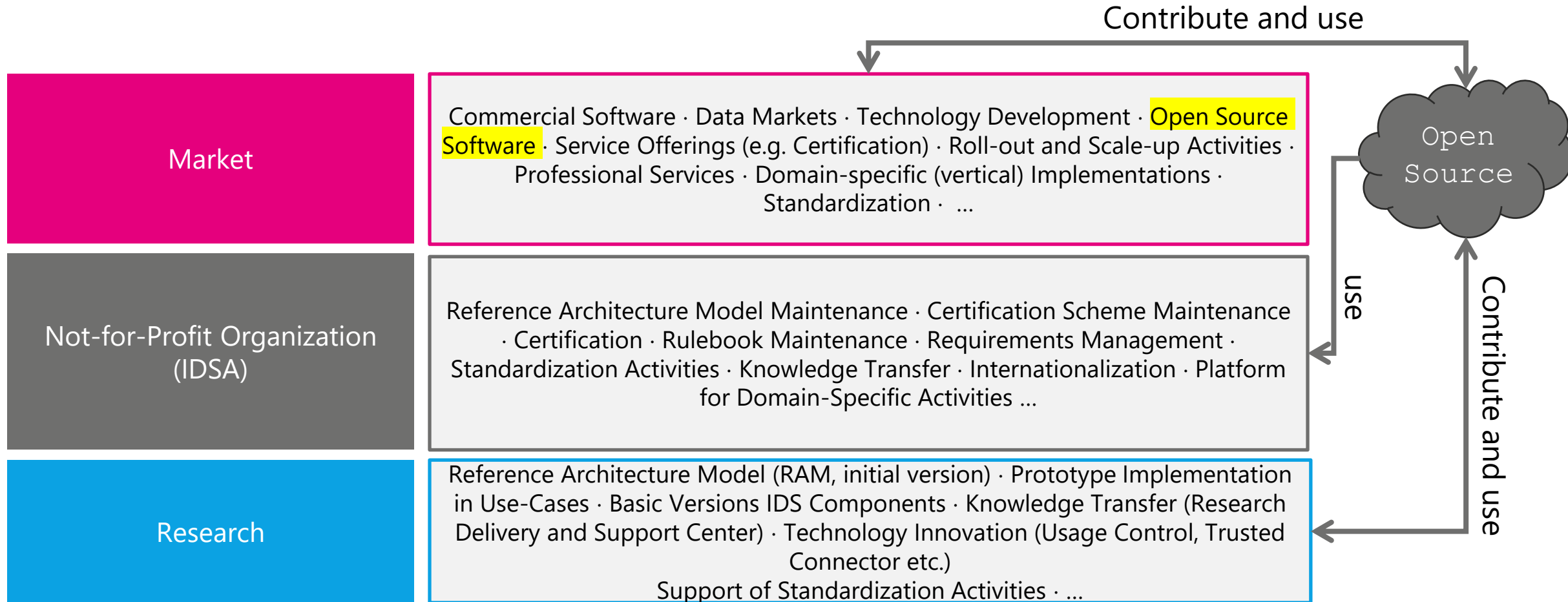
Design Principles
for Data Spaces

+ more

Many players

To bring our approach to life

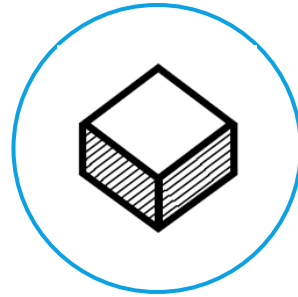
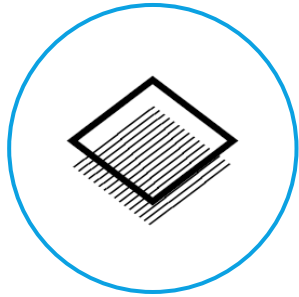
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IDSA Open-Source Graduation Scheme



Alignment and assessment of Open-Source Data Space components in 3 stages



Sandbox stage

- Components with continuous development, which are aligned with the general strategy of IDSA, not fully compliant to IDS specifications, including new concepts to be integrated.
- Currently: **EDC**, TRUE Connector, DataSpace Connector

Incubation stage

- Components fully compliant to realized IDS specifications. Aligned with the general strategy and under continuous development.
- Currently: -

Graduated stage

- Incubated components that are actively used by multiple partners in industrial practice.
- Currently: -

[Click to see projects part of IDS Graduation Scheme](#)

Quick Facts

Eclipse Data Space Components



Eclipse Dataspace Components - EDC -

1

Open Source

started in June 2021 • official Eclipse Foundation project • Apache 2.0 License



2

Community

15 committers • 20+ contributors • 20+ projects • >3200 issues and PR for Connector

3

Technology

based on Java • extensible architecture

4

Goal: Enterprise-ready Dataspace Components

scalable • highly available • customizable

5

Current State

runnable code • basic end to end samples • multiple functionalities • growing user base

Resources

Where to start



Eclipse Foundation

Eclipse project page: <https://projects.eclipse.org/projects/technology.edc>

Community mailing list: edc-community@eclipse.org



Discord: <https://discord.gg/n4sD9qtjMQ>

GitHub



Find us on GitHub: <https://github.com/eclipse-edc>

Main Repository: <https://github.com/eclipse-dataspacespaceconnector/DataSpaceConnector>

Documents & presentations: <https://github.com/eclipse-dataspacespaceconnector/Collateral>

Publications: <https://github.com/eclipse-dataspacespaceconnector/Publications>

Minimum Viable Dataspace: <https://github.com/eclipse-edc/MinimumViableDataspace>



Documentation: <https://eclipse-edc.github.io/docs/#/>



YouTube Channel: <https://www.youtube.com/channel/UCYmjEHtMSzycheBB4AeITHg>

Getting started with EDC

Get your hands on EDC

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Eclipse
Dataspace
Components
Connector

1

Read the docs

Start with the documentation page

<https://eclipse-edc.github.io/docs/#/>

2

Build your own connector

Start building your own connector

<https://eclipse-edc.github.io/docs/#/submodule/Connector/docs/developer/build-your-own-connector>

3

Visit the samples

Find samples that help you exploring EDC

<https://github.com/eclipse-edc/Samples>

4

Minimum Viable Dataspace

Build your own boilerplate for a Data Space

<https://eclipse-edc.github.io/docs/#/submodule/MinimumViableDataspace/>

5

Join the community

Biweekly contributors meeting on Discord

<https://discord.gg/n4sD9qtjMQ>

What you can do to contribute



- Code (Create, Improve, Test)
- Test/Use and open issues
- Make it beautiful (Designers are needed)
- Suggest new features
- Translate
- Create/Update documentation
- Build a community
- Triage bugs
- Project Management & Marketing (Website launch, LinkedIn, Explainer docs and videos,...)
- Donate

Contributing in three steps



README

CONTRIBUTING

LICENSE

DISCUSSIONS

Keep an eye on those files.
They have valuable information
to get you started

1

Create an issue

- Check existing issues
- Be clear
- Link to demos
- Include system details
- Paste error output

2

Pull Request

- Fork the repository
- Create a branch
- Be clear
- It's best to test
- Include screenshots
- Contribute in the style of the project

3



Start contributing

Your community needs your expertise!

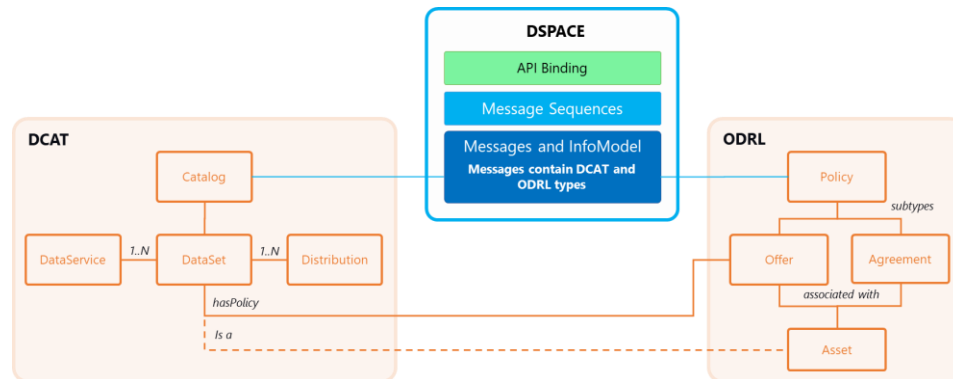
About EDC

EDC implements the IDS Dataspace Protocol



The Dataspace Protocol defines the interactions between the control planes of the connectors

- Catalog
- Contract Negotiation Sequence
- Data Transfer Management



The EDC implements the control plane of the IDS Connectors. Extensions are used to realize data planes, interactions with identity providers and beyond

