IDSA Winterdays

February 16 & 17, 2022

INTERNATIONAL DATA SPACES ASSOCIATION

IDS Component Development

Eclipse Dataspace Connector

16.02.2022 | 5 p.m. (CET)

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Eclipse Dataspace Connector

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Framework to address key data sharing use cases

- Data exchange endpoint in a federated data system, or data space
- Focus on data transfer (**sharing**) and policy management (**sovereignty**)

Architecture and project for many interested parties to collaborate on

- Provide platform to implement new ideas and use cases
- Help evolve IDS and GAIA-X

Open-source project

- Joining knowledge, people, and code bases

Alignment with IDSA

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- Support of essential services (DAPS)
- Maintenance of IDS Infomodel Serializer and CodeGen tools
- Support new RAM 4.0 release with feedback of our partners
- Submitted to the IDSA Graduation Scheme as a sandbox

- Work closely with committees and working groups (→ interoperability)
- Alignment with lighthouse projects to meet their requirements

Same goes for Gaia-X

Eclipse Foundation

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- Official Eclipse Foundation Project since 06/2021

Why Eclipse?

- Good infrastructure for open source
- Defined governance and collaboration model
- Legal aspects are handled
- History of projects with high code quality
- European-based and open for everyone
- Easy for different parties to join

Project Lifecycle

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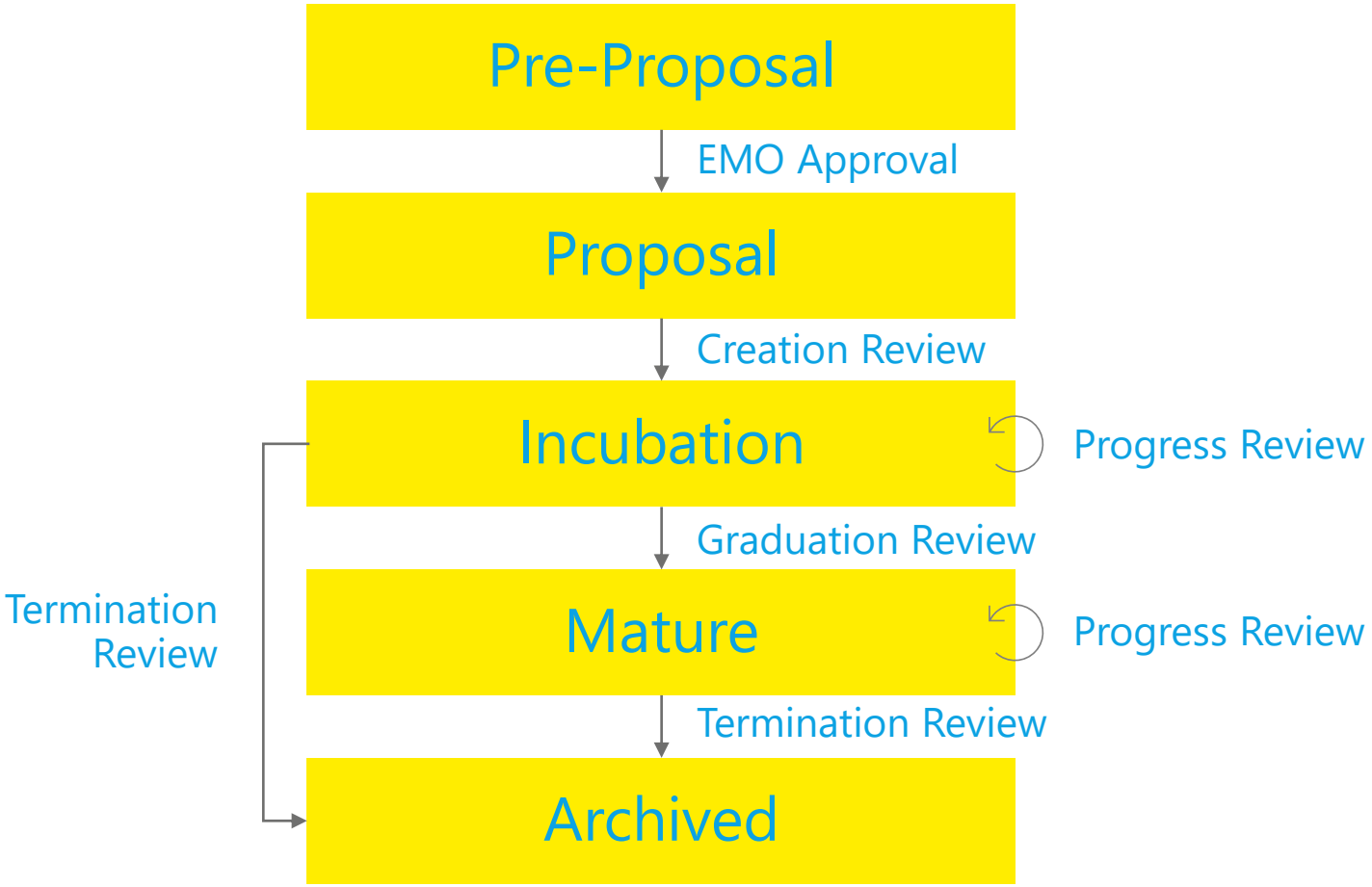

Mentor

Current Status

ECLIPSE INCUBATION

Source: https://www.eclipse.org/projects/dev_process/#6_2_3_Incubation (Accessed: 14.02.2022)

Project Structure

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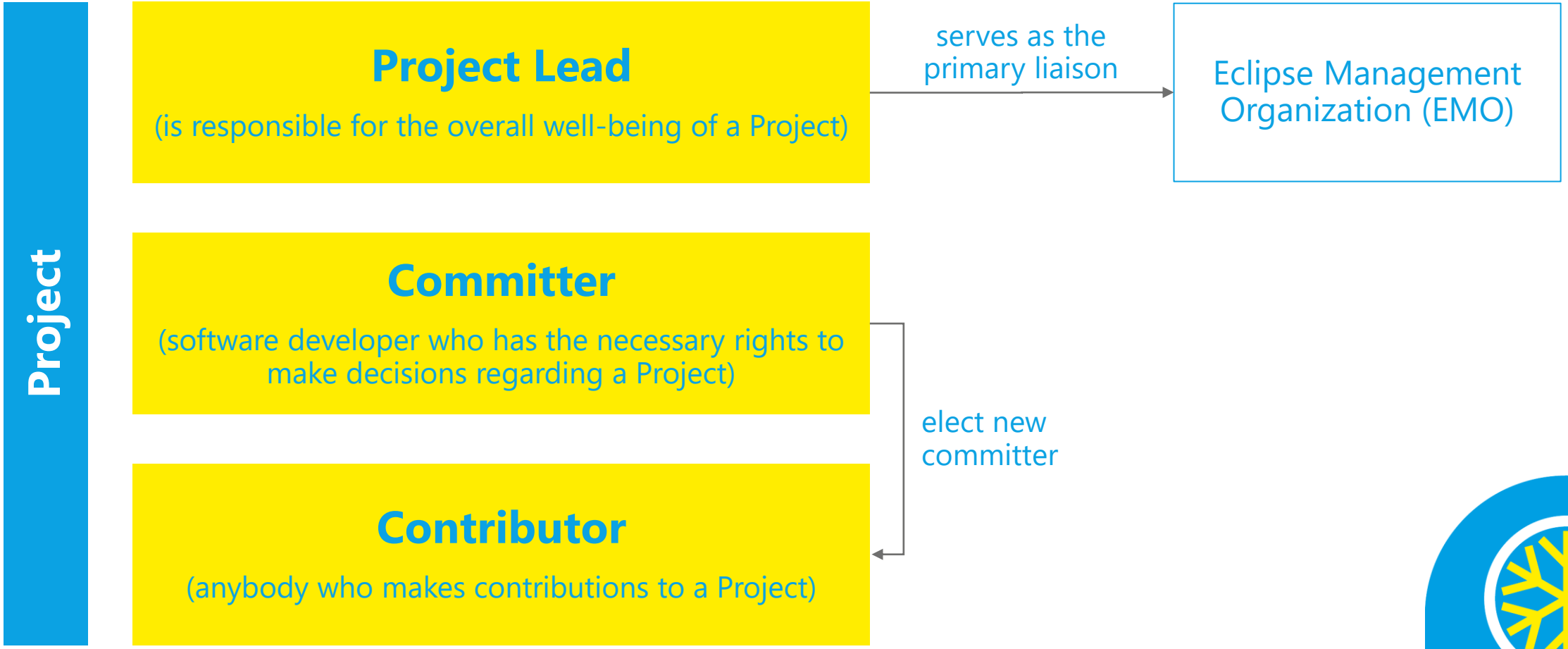

Source: https://www.eclipse.org/projects/dev_process/#6_2_3_Incubation (Accessed: 14.02.2022)

Development on GitHub

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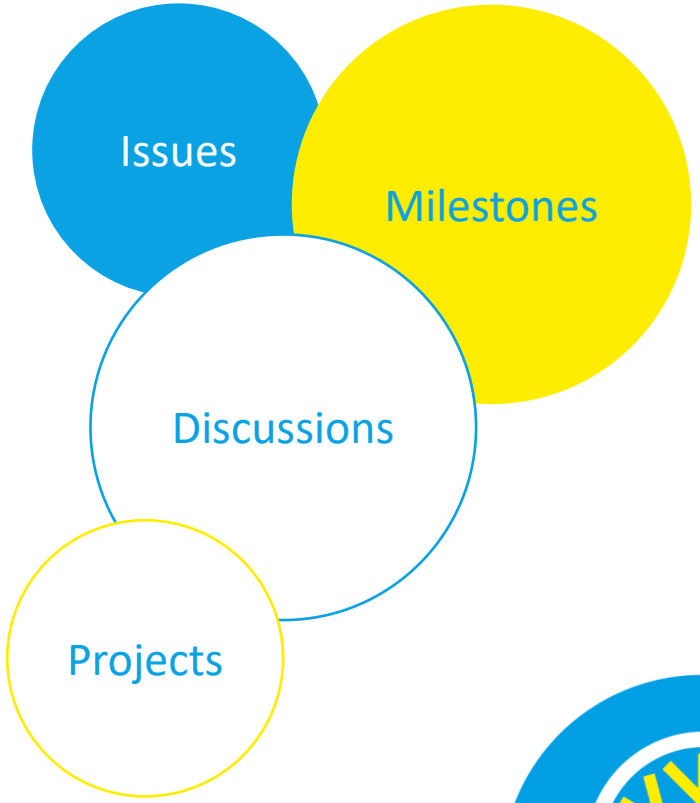
GitHub Organisation

- Dataspace Connector
- Collateral
- Publications
- IDS Infomodel CodeGeneration
- IDS Infomodel Serializer



Communication & Events

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Project: https://projects.eclipse.org/projects/technology.dataspaceconnector

YouTube: https://www.youtube.com/channel/UCYmjEHtMSzycheBB4AeITHg

GitHub: https://github.com/eclipse-dataspaceconnector

E-Mail: dataspaceconnector-dev@eclipse.org

EDC Conference

- 01/2020
- …

EDC Hackathon

- 08/2021
- 11/2021
- …

Gaia-X Hackathon

- 08/2021
- 12/2021
- …

Key Takeaways

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The EDC …

- … is **completely FOSS** supported by various companies.
- … has clear and **accepted governance** structure & community processes.
- … is **more than connecting a database**.
- … manages **data transfer** and flow including **management of contracts and policies** in **cloud-native** environments.

We have a good foundation already present on **GitHub**. There is still work to do. We **welcome everyone** to drive the idea and grow the community!

Thank You For Your Attention!

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Any Questions?

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