The value of open collaboration

Michael Plagge
VP Ecosystem Development
The Open Source Foundation of choice in Europe
With a global presence, reach, and reputation

Eclipse Foundation AISBL is based in Brussels
Under EU-based laws and regulations, hosting code in Europe
Free & Open Source Software

**Freedom 0** - to **run** the program, for any purpose

**Freedom 1** - to **study** how the program works, and change it to make it do what you wish

**Freedom 2** - to **redistribute** copies

**Freedom 3** - to distribute copies of your **modified** versions to others
Why Open Source may not be enough

Open Collaboration

- Contribution
  - Transfer of IP rights
  - Future influence

- Collaboration
  - Rules for collaboration (Governance)
  - Predictability
  - Sustainability

Open Source

- Adoption
  - Open Source License
  - Four Freedoms
Foundation Processes Create a Level Playing Field

- **Competition**: Commercial vendors offer differentiated commercial products, including certified boards.
- **Collaboration**: Vendors and open source contributors build core technologies.
- **Governance**: Foundations creates the level playing field for collaboration.

20€+ billion of shared investment to date
Foundation Services

Collaboration Platform

Governance Platform

Infrastructure for Open Collaboration
Ecosystem Development
Community Governance & Processes
IP Management & Licensing
Supply Chain Security
Public Policy

Infrastructure
Ecosystem Development
Community Governance & Processes
IP Management & Licensing
Supply Chain Security
Public Policy
## One Governance adds value

<table>
<thead>
<tr>
<th>Product</th>
<th>Production</th>
<th>IT</th>
<th>Related</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eclipse Software Defined Vehicle (SDV)</td>
<td>Industrial Digital Twin Association (IDTA)</td>
<td>Eclipse Tractus-X</td>
<td>EDC</td>
</tr>
<tr>
<td>openPASS</td>
<td>openMDM Measured Data Management</td>
<td>Manufacturing-X</td>
<td>Open Services Cloud</td>
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<tr>
<td>openMobility</td>
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</table>

Data Spaces WG

Gaia-X

Federation Services

Open Services Cloud

xpanse
Tractus-X

Top 10(-ish) Projects by Contributors
Based on number of (non-committer) contributors.
Based on commits between 202210 and 202212.

Top "Ten" Projects by Contributor Count (2022Q4)

Top Projects by Commits (2022Q4)
A breakdown by project of the commit activity in the last quarter.

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Catena X went live with Tractus-X

We are live!
Time to get radical!

October 16, 2023

Radical collaboration is working!

Catena-X is based on radical collaboration. And it’s working: We are live as of October 16! Our vision of RADICAL COLLABORATION and network building is coming true.

October 16, 2023

Read more
Onboarding initiatives: The Eclipse Dataspace Working Group
Membership (as of 24 Nov 2023)

- amadeus
- Fraunhofer
- Microsoft
- T Systems
- iSHARE
- BOSCH
Core Objectives

# Core & Protocols
- Core protocol specifications
- Standardization
- Alignment between specifications and OSS projects

# Data Planes & Components
- Data plane implementations
- Advanced technology integration
- Additional (optional) components

# Authority & Management
- Tools and workflows for dataspace management
- Policy management
- Member management
- Starter kits
## Projects and Working Groups

(or the definition of “project”)

<table>
<thead>
<tr>
<th>Projects</th>
<th>Working Groups</th>
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<tbody>
<tr>
<td><strong>Group of individuals</strong></td>
<td><strong>Group of organizations</strong></td>
</tr>
<tr>
<td>● Build code, APIs, documentation</td>
<td>● Focus, promote and augment Eclipse technologies</td>
</tr>
<tr>
<td>● Meritocracy</td>
<td>● Open Governance</td>
</tr>
<tr>
<td>● No costs / No budget</td>
<td>● Fees / Budget</td>
</tr>
<tr>
<td>● Sponsoring possible</td>
<td></td>
</tr>
</tbody>
</table>

- **Projects**
  - Transparent
  - Open
  - Vendor-neutral

- **Working Groups**
  - Associated
**Eclipse Foundation Working Groups Key Services**

**Vendor-Neutral Governance**
Collaboration under a vendor neutral governance model

**Ecosystem Development and Marketing**
Eclipse Foundation staff help build a community for collaboration through marketing and community programs

**Branding and Compatibility**
Creating branding and compatibility programs to build a trusted ecosystem of implementers and consumers

**Specification Development**
Eclipse Working Groups use the proven Eclipse Specification Development processes that provides a framework for the development of specifications in open source

**Collaborative Management**
Working groups coordinate the efforts of open source projects by providing a shared vision and roadmap
Have Fun
Thank you!

Michael Plagge