



The Eclipse Foundation

Enabling Industry Collaboration and Open Innovation

eclipse.org

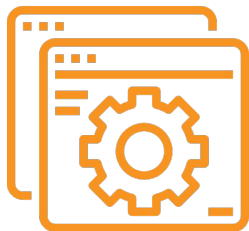
April 2019

Agenda

- > Why Open Source?
- > Why Participate?
- > About the Eclipse Foundation
- > Our Services
- > Working Groups
- > Research Programs
- > The Opportunity

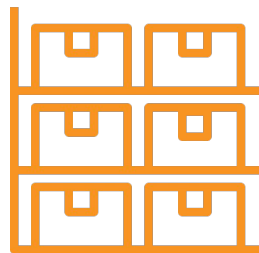


**Open source
participation is surging**



80-90%

**Open source makes up
80-90% of applications**



100M

**GitHub hosts
100M repositories**



31M

GitHub users

Sources: Forrester, GitHub



55%

% companies leverage open source in production



65%

% firms contributing to open source projects



100%

% productivity improvement seen by firms contributing to open source

Sources: Black Duck, Harvard Business School

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**Demonstrate good
corporate citizenship**

Accelerate innovation





**Participate in
open collaboration**



Safeguard investments

A grayscale photograph of a business meeting. Two people are seated at a desk. One person's hand is visible, holding a pen and pointing at a document with a bar chart. Another person's hand is also visible, holding a pen. There are two laptops on the desk, one open and one partially visible. The background is blurred.

Mitigate business risk



**Retain and recruit
top talent**

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The Platform for Open Innovation and Collaboration

Community driven.

Code first.

Commercial grade.

Our Unique Approach

	GitHub	Single-Vendor Open Source	Eclipse Foundation
Thriving developer community	✓	✓	✓
High quality code that solves complex problems	✓	?	✓
Ecosystem development and marketing services to drive adoption and monetization		✓	✓
Predictable processes and guidance to deliver large-scale innovation on a regular cadence			✓
Vendor-neutral governance model to support industry-wide collaboration			✓
Business-friendly IP and licensing services to enable commercialization			✓

Strategic Focus Areas

Cloud Native Java



We provide a collaborative environment for the world's leading Java ecosystem players to advance open source enterprise Java technologies for the cloud.

IoT & Edge



We enable industry leaders to collaborate on an end-to-end IoT architecture that is secure, flexible, and fully based on open source and open standards.

Automotive



We provide leading automotive OEMs, their suppliers, and partners with a sustainable, transparent, and vendor-neutral platform to collaborate on open technologies and standards.

Tools



The Eclipse IDE is the critical development environment for more than 4 million active users. Our community is innovating on the next generation of cloud native developer tools.

The Eclipse Foundation - By the Numbers

360+

Projects

275+

Members

1550+

Committers

195M+

Lines of Code

30

Staff Members

10+

Working Groups

The Growing Eclipse Foundation Member Community



Home to the Eclipse IDE



The Leading Open Platform for Professional Developers



Polyglot language support



Improved performance



Proven extensibility



Latest Java™ versions



Language Server support



Quarterly releases

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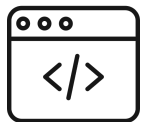
Delivering Proven Business Value



Governance & Processes



Ecosystem Development & Marketing



IP Management & Licensing



Infrastructure



Governance & Processes

- > Community of Practices: Eclipse Development Process
- > Vendor-neutral governance structure
 - Legal entity, bylaws, member agreement, anti-trust policies
- > Well defined project lifecycle
- > Technical decisions made by project leadership



Infrastructure

- > Professionally managed open source forge
 - Git, Gerrit, Jenkins, download servers, website hosting
 - Scalable and repeatable build service
 - SLA for 99.98% uptime
- > Flexibility to use Github



IP Management & Licensing

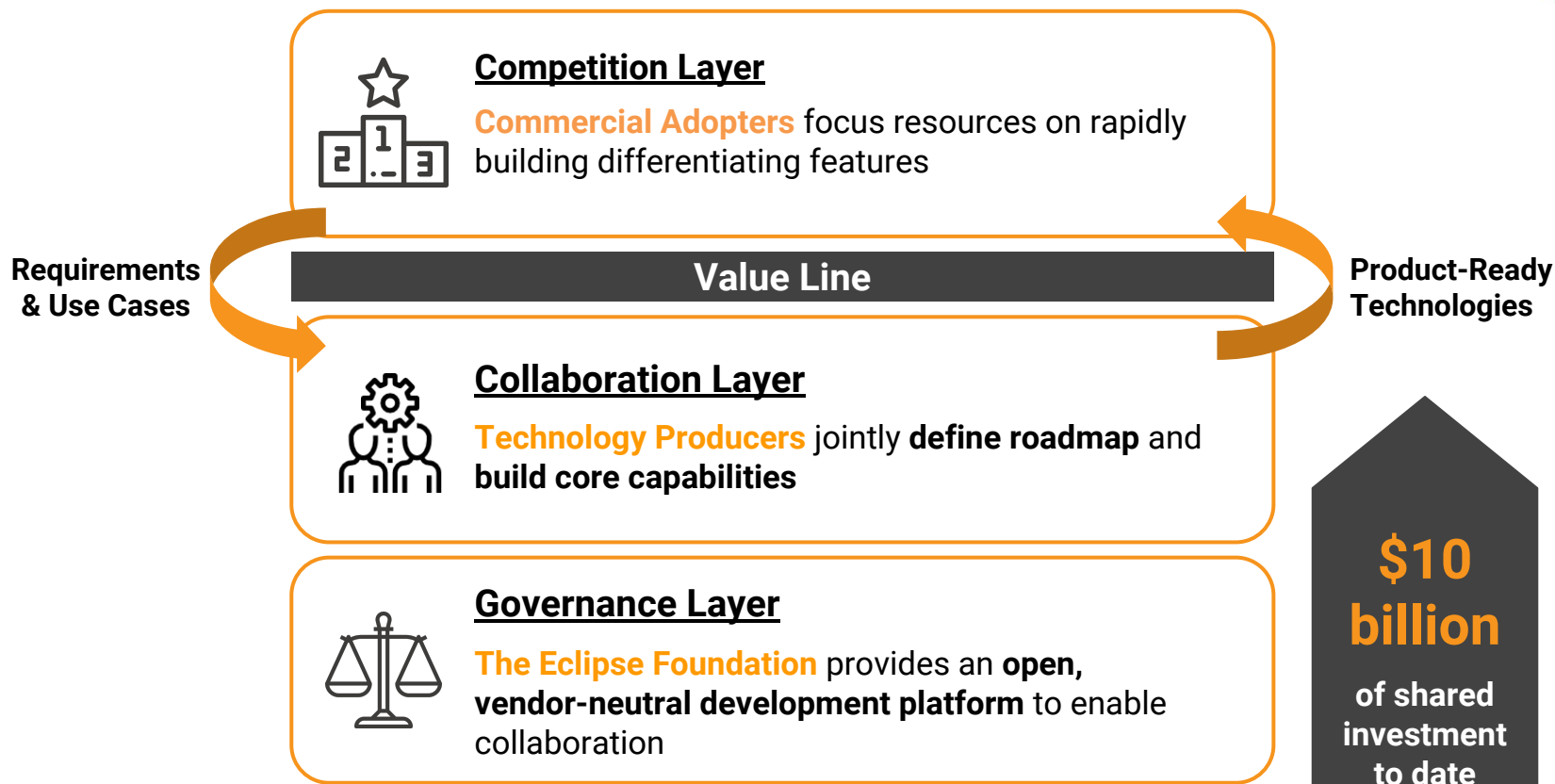
- > Management of Committer Agreement and CLA
 - Provenance and License Compatibility (no GPL or AGPL)
- > Trademark stewardship for projects, working groups, and industry initiatives



Ecosystem Development & Marketing

- > Business development staff to assist with recruitment
- > Professional marketing staff
- > Event planners

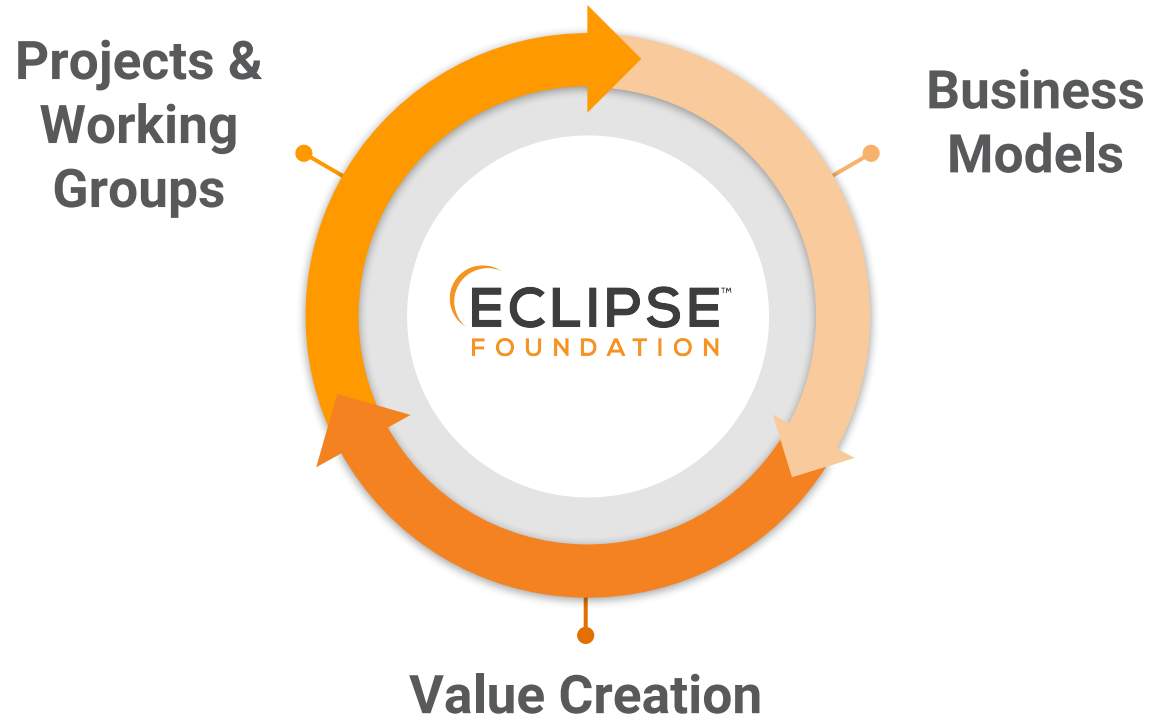
Our Impact: Open Innovation at Industrial Scale



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A Sustainable, Business-Friendly Ecosystem





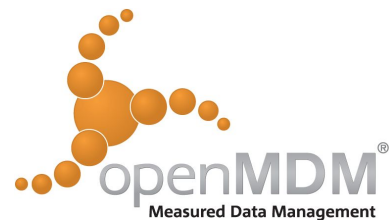
Eclipse Foundation Working Groups

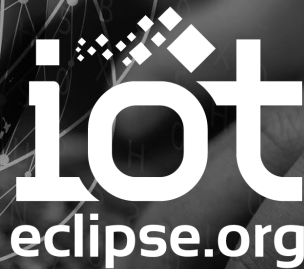
- > Provide an open and vendor-neutral governance framework for collaborative development
- > Enable industry collaboration and coordination across many open source projects
- > Extend the best practices of the Eclipse Development Process
- > Support the shared development of requirements, specifications, marketing strategy, test environments, security policies, etc.

Key Functions of Working Groups

- > Requirements gathering across open source projects and organizations
- > Creating and committing to long term multi-project roadmaps
- > Architectural discussions and collaboration across open source projects
- > Testing and certification of industry platforms
- > Funding of joint development
- > Ecosystem and community development

Working Groups at a Glance





Eclipse IoT Working Group

The Eclipse IoT Working Group provides the open technology needed to build IoT Devices, Edge Gateways and Cloud Platforms.





JAKARTA EE

Jakarta EE Working Group

Powered by participation, Jakarta EE is focused on enabling community-driven collaboration and open innovation for the cloud.

**Builds the
community**

**Approves
Specifications**

**Drives the
Jakarta EE
brand**

**Establishes
the technical
roadmap**

**Ensures
compatibility**



LocationTech

LocationTech Working Group

The LocationTech Working Group develops advanced location aware technologies.





Science Working Group

The Eclipse Science Working Group works to solve the problems of making science software inter-operable and interchangeable.



**Eclipse
ChemClipse**

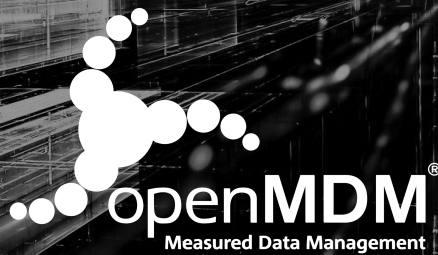
**Eclipse
XACC**



openPASS Working Group

The Eclipse openPASS Working Group specifies and builds core frameworks and modules for the prospective evaluation of advanced driver assistance systems and partially automated driving functions with respect to traffic safety.

**sim@
openPASS**



openMDM Working Group

The openMDM® Working Group fosters and supports an open ecosystem providing tools and systems, qualification kits and adapters for standardized and vendor-neutral management of measurement data.

MDM|BL



Capella Industry Consortium

The Capella Industry Consortium is dedicated to developing the ecosystem around the Capella project with vendor-neutral and open governance.



OS.bea

The OS.bea Working Group fosters and supports an open and innovative eco-system providing tools, systems, and adapters for the standardized, openly-available, and vendor-neutral Open Standard Business Platform.



Structure of Eclipse Working Groups

- > Eclipse Foundation Members can join an Eclipse Working Group
- > Eclipse Working Groups have at least two tiers of members:
 - Steering Committee members
 - Participant Members
- > Eclipse Working Group Steering Committee:
 - Approve Working Group Charter
 - Set Working Group Budget and Fees
 - Establish Working Group Committees: Requirements, Architecture, etc.

Starting an Eclipse Working Group

- > Define vision and scope
- > Create a Working Group Charter
- > Secure initial list of participants
- > Establish initial budget and fees



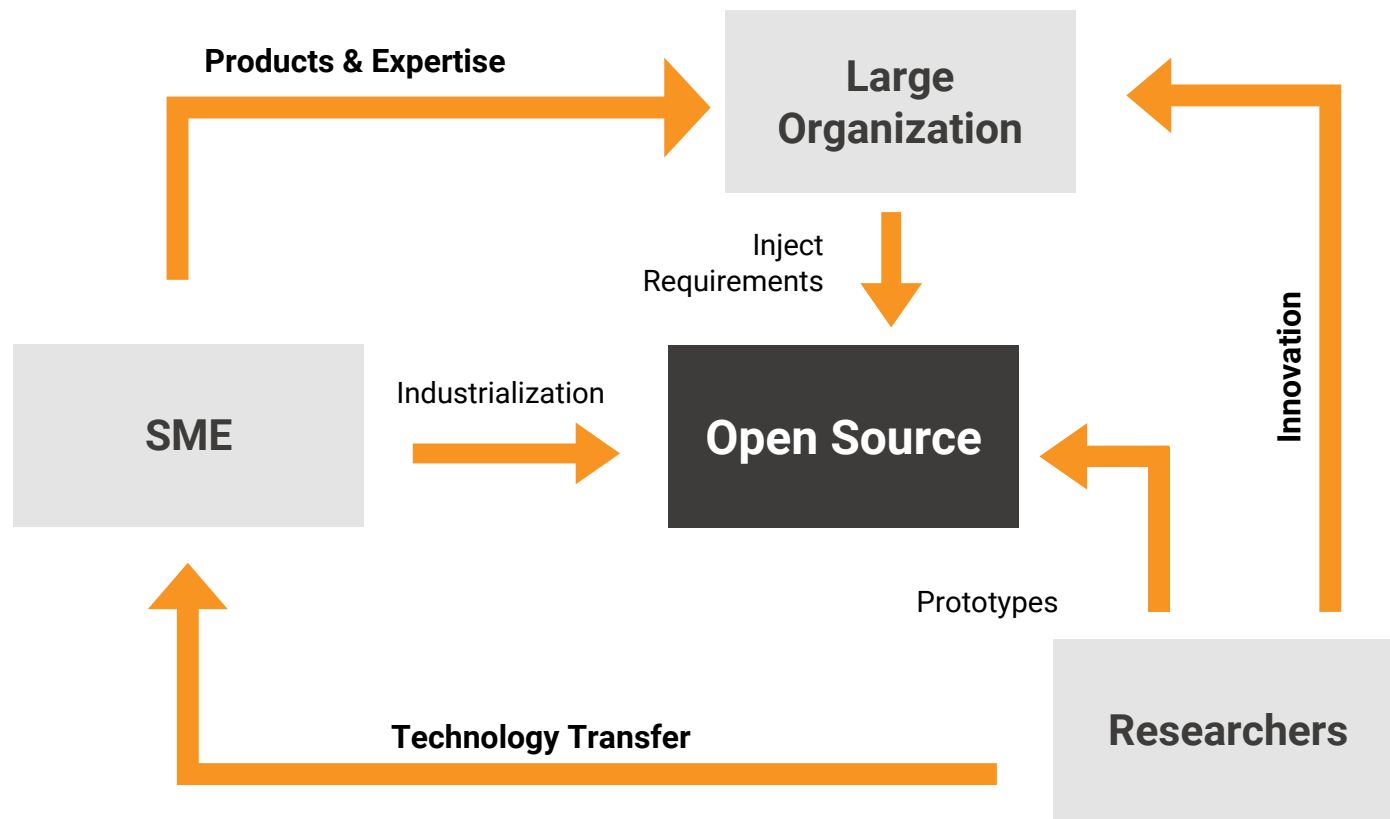
Resources Required to Get Started

- > Management and leadership
- > IT Services to create and maintain website
- > Community management services to assist with outreach and events
- > Project management to assist with work group meetings, onboard new members, facilitate collaboration
- > Ecosystem development to recruit new members
- > Typical cost \$200K-\$300K/year but will grow depending on services required
- > Funding driven by working group membership fees

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The Eclipse Foundation as a Research Catalyst





Research Projects: Funding Organizations



ITEA3



ECSEL
Joint Undertaking



Bundesministerium
für Bildung
und Forschung

Research Projects



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Join Us!

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Eclipse
Foundation
Member**

**Join an Eclipse
Foundation
Working Group**

**Participate
in open
collaboration and
innovation**

To learn more, or to participate visit:
eclipse.org
or connect with us at:
membership@eclipse.org



Thank you!