Welcome to the Automotive Open Source Summit 2023
6. June 2023 / Mike Milinkovich / mike.milinkovich@eclipse-foundation.org
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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
Eclipse Foundation Snapshot

USA
- BOSCH
- IBM
- Microsoft
- Oracle
- Red Hat

Europe
- Mercedes-Benz Tech Innovation
- DLR
- ESA
- Fraunhofer

Asia
- list
- OBEO
- SAP
- Fujitsu
- HUAWEI

350+ Members
1830+ Committers
65+ Staff Members
410+ Projects
How it started...
How it’s going…
Setting expectations

> What to expect
> The atmosphere we want to provide
> The road to Garmisch
> Building a community
What to expect - and what not

> We want this to be a very interactive event, a kind of workshop/networking activity
  • Therefore we added breaks generously
  • and interactive formats

> Please don’t expect solutions (today), we are not there yet

> It would be great, if you could participate actively
The atmosphere we want to provide

> Open
> Protected

Therefore

> No recording of sessions
> No invited journalists

Because

> We want to identify (joint) challenges and pain points
> We want to exchange experiences (positive and negative)
> We want to build a welcoming community
The road to Garmisch
Christoph Hartung
ETAS

AEK 2022, Ludwigsburg
New Value Creation Options: From Buy & Manage to Make & Collaborate

**Buy**
- Debundling of ECU + SW
- SW – Containerization
- HW – EMS
- 1st tiers mirroring OEMs
- OEMs competing 1st tiers

**Make**
- Talent
- Talent
- Talent
- Focus
- Reality check

**Collaborate & Contribute**
- Decide to trust
- Follow instead of control
- Share loads & resources
- Increase Quality
- Mindset Challenge

How many platforms are sustainable?
We identified the need
To build a community
Software Defined Vehicle

Eclipse OSEK

Eclipse OSEK provides an open-source implementation of the OSEK/VDX specification for embedded Linux systems together with the required tools to support developers.

Eclipse Meta

Eclipse Meta provides an open-source framework and a set of tools for statically annotating memory access locations in C code. Eclipse Meta is a foundational component for other Eclipse projects and provides a platform for other projects to build on.

Eclipse ADAM (Adaptive Cruise Control System Application for Adaptive AUTOSAR)

ADAM is a new application for Adaptive AUTOSAR with the following goals:

Eclipse Charliot

The Eclipse Charliot project aims to simplify and standardize middleware development for vehicular systems by providing a lightweight, low-overhead, and high-performance communication infrastructure.

Eclipse eCAL (enhanced Communication Abstraction Layer)

eCAL is a communication abstraction layer that provides a standardized interface for communicating between software components in an automotive environment.

Eclipse Veloce

Eclipse Veloce provides a framework for developing distributed, real-time, and concurrent applications.

Eclipse Leda

Leda is an open-source framework for developing real-time, distributed, and concurrent applications.

See how “code first” becomes operational
SDV Contribution Day - September 2022

See how “code first” becomes operational

Register Now

Hybrid Event | September 22, 2022

"Plaza" Space, Deutsche Telekom AG, Friedrich-Ebert-Allee 140, 53113 Bonn
But we also need a Management Community
Join Us!

Since brilliant technology is not enough

Since mindset and cultural change can’t be driven just bottom up

We need a community spanning all levels and areas inside an organisation
There is NO Community
Except for the one you build
Join Us!

- We believe the AOSS is just the starting point
- We want to establish a **senior executive platform** to meet regularly to:
  - Identify joint challenges and find solutions
  - Learn from each other by exchanging experiences in a neutral and safe environment
  - Act as the building blocks of early adopters along the automotive supply chain
Automotive Open Source

- Catena-X: Automotive Network
- IDTA: Industrial Digital Twin Association
- openPASS
- openMDM: Measured Data Management
- openMobility

- Supply Chain Data Spaces
- Production Operative Technology (OT)
- Data Handling Simulation