



Welcome to the Automotive Open Source Summit 2023

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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



Europe



Mercedes-Benz Tech Innovation



USA



Asia



Eclipse Foundation Snapshot

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

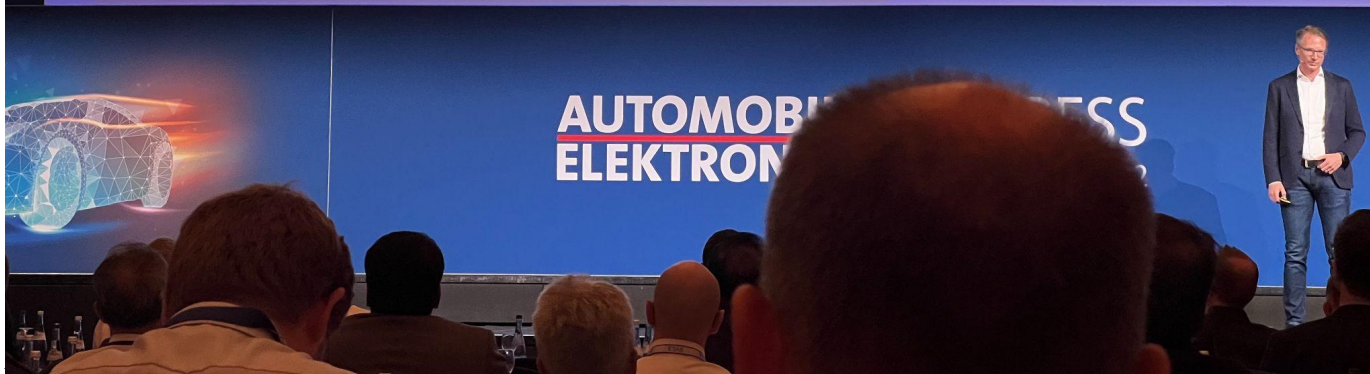
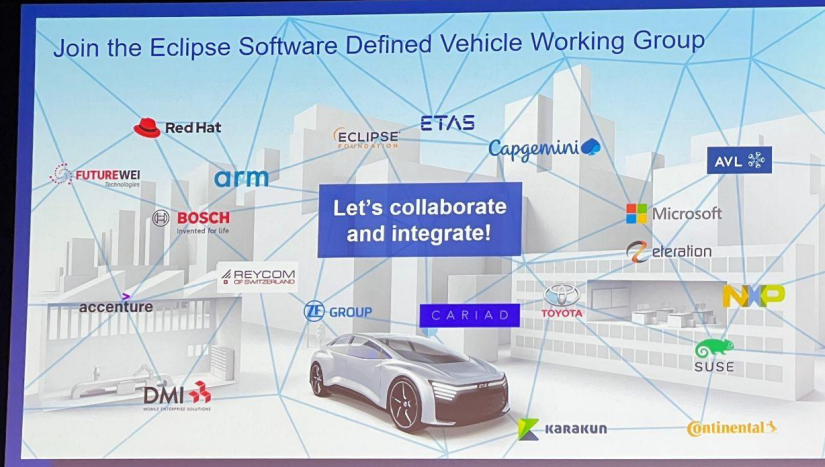
- > We want to identify (joint) challenges and pain points
- > We want to exchange experiences (positive and negative)
- > We want to build a welcoming **community**



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?

ECLIPSE
FOUNDATION



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**We identified the need
To build a community**

Software Defined Vehicle

The Eclipse Software Defined Vehicle (SDV) Working Group will provide a forum for individuals and organizations to build and promote open source software, specifications, and open collaboration models needed to create a scalable, modular, extensible, industry ready open source licensed vehicle software platform to support in-vehicle and around the vehicle applications development and deployment.



Eclipse Sommr Announcement

Eclipse Sommr provides an automotive grade implementation of the someIP specification for embedded Linux systems together with the required tools to support developers.

[Read more...](#)

[Learn more](#)



Eclipse Muto Announcement

Eclipse Muto provides an adaptive framework and a runtime platform for dynamically composable model-driven ROS software stacks. Eclipse Muto can be used to introspect, monitor and manipulate the actively running ROS graph (the network of ROS nodes).

[Read more...](#)

[Learn more](#)



Eclipse ADAAA (Adaptive Cruise Control Demo Application for Adaptive AUTOSAR) Announcement

ADAAA is example application for Adaptive AUTOSAR with the following goals:

[Read more...](#)

[Learn more](#)



Eclipse Chariot Announcement

The Eclipse Chariot project aims to simplify and enhance in-vehicle software developer productivity by providing a metadata-driven middleware/abstraction layer that allows modern application design.

[Read more...](#)

[Learn more](#)



Eclipse eCAL (enhanced Communication Abstraction Layer) Announcement

The Eclipse eCAL (enhanced Communication Abstraction Layer) provides a middleware that enables scalable, high performance inter-process communication on a single computer node or between different nodes.

[Read more...](#)

[Learn more](#)



Eclipse Velocitas Announcement

Eclipse Velocitas provides an end-to-end, scalable, modular and open source development toolchain for creating containerized and non-containerized in-vehicle applications.

[Read more...](#)

[Learn more](#)



Eclipse Leda Announcement

In the ambition to build a technology ecosystem for software-defined vehicle, one of the main challenges will be the combination of the diverse components into a coherent and useful whole: all the s

[Read more...](#)

[Learn more](#)



SDV Contribution Day - June 2022

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**

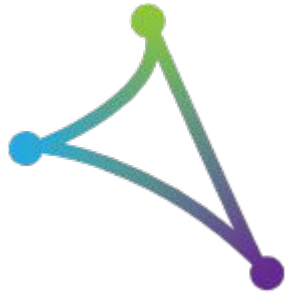
A black and white photograph of John F. Kennedy speaking at a podium. He is wearing a dark suit, a light-colored vest, and a patterned tie. He has his eyes closed and a serious expression, as if in the middle of a speech. The podium has several microphones. In the background, a crowd of people is visible, some looking towards the speaker. The lighting is dramatic, with strong highlights and deep shadows.

**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



**Supply Chain
Data Spaces**



Industrial
Digital
Twin
Association

**Production
Operative Technology (OT)**



**Data Handling
Simulation**