



FEDERATE Networking Event Vienna, Austria 23 September 2024

On 23rd September 2024, FEDERATE has gathered 63 participants from OEMs, Tiers, engineering service providers, academics, research institutes and people from other related fields. The goal was to share information and to derive a common understanding on the Software Defined Vehicle of the Future (SDVoF) Initiative of the European Commission. An overview of related projects and initiatives was presented to the audience. Furthermore, updates and insights on the Software Defined Vehicle (SDV) were shown by a broad variety of speakers. Above all, the FEDERATE Networking event provided a platform for the SDV community to meet, discuss and network. By that, people were encouraged to embrace the idea of a common collaboration on the European SDVoF. Thus, the FEDERATE Networking event took place in Vienna in conjunction with the Autonomous Main Event 2024, which took place the next day - on 24th September 2024.

The organization of the FEDERATE Networking event started from early spring 2024. One of the most important tasks for the FEDERATE partners during the organizational period was to identify the most relevant topics and to set up the event. So, it was decided to make the event live and interactive in order to present projects, initiatives and organisations with relation to the SDV.

The event started with a welcoming part, a presentation of topics and goals of the event as well as introductory video (<https://www.youtube.com/watch?v=4dG-NRMyoXo>) representing FEDERATE, HAL4SDV and SDVoF. Michael Paulweber (AVL List GmbH) introduced the FEDERATE Coordination & Support Action as well as the SDVoF Initiative. Moreover, key challenges for the Software Defined Vehicle of the Future and EU Strategies addressing these challenges were presented. The presentation also highlighted ideas on how the European driven SDVoF Initiative could help to master the transformation in automotive sector, regarding speed, agility and the focus on customer value. Furthermore, the initial partners of the SDVoF Ecosystem and its projects were introduced as well as the current focus in the SDVoF Ecosystem.

The second part of the event included presentations of Eclipse SDV (Sara Gallian, Eclipse Foundation), HAL4SDV (Andreas Eckel, TTTech Computertechnik AG), SHIFT2SDV (Maik Fuchs, Accenture Industry X), 2ZERO (Lucie Beaumel, EGVIafor2Zero), CCAM (Carolin Zachäus, VDI/VDE Innovation + Technik GmbH), AUTOSAR (Martin Schleicher, Continental Automotive Technologies GmbH), COVE-SA (Emil Dautovic, RemotiveLabs) and SOAFFEE (Bernhard Rill, Arm). The presentations of the SDV projects, initiatives and partnerships were comple-



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mented by the motivation of the European Commission, which was presented by Kristof Almay (Directorate-General - Communications Networks, Content and Technology). The motivation included aspects like an overview of recent developments in the SDV area, challenges that are faced due to the shift to SDV, EU policy priorities for the coming years and needs to close innovation gap in automotive industry. Growing competition from China and other non-EU countries were mentioned as well as the need for standardization for new technologies and other recommendations. The need for an increased collaboration was prioritized as the first step towards having common Building Blocks and a harmonized architecture. Therefore, the EU policy priority on EU level was mentioned as one of the instruments to reinforce EU competitiveness in SDV area. The presentations were complemented by subsequent Q&A sessions where actual questions have been addressed to the presenters of the SDV projects, initiatives and partnerships.

An important part of the FEDERATE Networking event were four interactive sessions, moderated by the FEDERATE partners. The goal of the interactive sessions was to fuel up technical and strategic discussions between the projects, organizations and initiatives. The discussions encouraged the participants to identify BBs that are necessary for a collaboration towards specific goals in the SDVoF. Furthermore, the discussions highlighted the gaps

and suggested possible solutions. Participants had live brainstorming sessions in four groups about (1) Stack, (2) Cloud, (3) Tools and (4) Strategic considerations. A group of moderators supervised the process and recorded the ideas, thoughts and suggestions on BBs.

The event was also complemented by interactive polls, which were used to gather valuable insights from the participants. Based on questions and answers received, it becomes clear that European SDV needs professional developers, to get rid of complexity, to have larger group of projects and create the community to handle different needs, to start to combine efforts and not to create something “new”. SDV is not about the transformation of the mind-set and not about designing a perfect technology. It is more about way of thinking, processes and business models. Therefore, finding a business model for pre-competitive collaboration is one of the most important things to do. The effective and vibrant discussions ended with the common conclusion that Europe has to take up some challenges how to find the way to collaborate and combine what is already in place and how to deal with updatability and meeting common standards. One of the ways to do that is to gather SDV related European projects, initiatives and partnerships all together, like it was done on 23rd September 2024, and to overcome the existing barriers of the SDV of the Future!

