

FEDERATE

Software-Defined Vehicle Support and Coordination Project

Challenges and objectives

The European Union (EU), in collaboration with industry, governments, and research institutions, has launched the European Software-Defined Vehicle (SDV) Ecosystem to address decarbonization and develop sustainable, inclusive, and safe mobility solutions. Therefore, the EU-funded FEDERATE project unites stakeholders to advance SDV research, development, and innovation. The project's mission is to create a collaborative European SDV community involving the mobility sector, open-source software, semiconductor industries, and public bodies. The goal is to establish a clean, affordable, and safe mobility ecosystem across Europe.

The project has five main objectives. Check them here:



Technical goals

- Captured SDV technology, gap analysis, forecasts and glossary
- Refinement of the definition of modular Building Blocks (BBs)
- Creation of prioritized backlog in alignment with other SDV projects and initiatives
- Identification of new standardization initiatives for successfully implemented BBs
- Recommendations created for the realization of BBs
- Aligned recommendations for future SDV calls for EU funding
- Created Vision and Roadmap for realization of the Open SDV Ecosystem
- Organization of European SDV Conferences, hackathons, workshops

Expected impact

Through its activities and outcomes, the FEDERATE project supports the achievement of the anticipated impacts:

- Framework for non-differentiating collaboration on SDV topics and issues
- Common understanding (glossary) and wording
- Vibrant SDV community in Europe encouraging stakeholders to collaborate
- Self-sustaining European initiative, providing adoption and continuous contribution to the SDV Ecosystem
- Ensure the autonomy and expand the competence and sovereignty of the EU automotive industry
- Strengthen and integrate the scientific, innovation and technological capacities and facilitating collaborative links
- Providing safe, reliable and energy efficient mobility respecting data privacy



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Additional information

- ❖ FEDERATE commenced on 1 October 2023 with a total funding of 1.9 MEUR
- ❖ A three-year coordination and support project
- ❖ Grant Agreement No. 101139749
- ❖ 5 Work Packages with agile workflow set, 29 partners, 7 Countries