



Press Release

ESRIUM H2020 Testing Delivers Promising Results for C-ITS Services in Traffic Management

3rd of August 2023 - The ESRIUM H2020 project's test week, held from July 31st to August 3rd, in the picturesque setting of the DigiTrans proving ground in Upper Austria, has yielded exciting and promising results for Cooperative Intelligent Transport Systems (C-ITS) services in traffic management.

Led by the consortium partner, the University of Applied Science, Upper Austria, the test week focused on evaluating the potential impact of the developed C-ITS services on traffic management. As part of the Proof of Concept and In-Vehicle Validation work package, the evaluation encompassed comprehensive road trials on both the DigiTrans test track and public Austrian highways, with interviews and user trials involving professional truck drivers.

"We are thrilled with the insights gained from the ESRIUM project's user acceptance testing week at the DigiTrans testing area. The results offer profound insights into the potential impact of our developed C-ITS services for traffic management," said Wolfgang Schildorfer, Professor for Transport Logistics and Mobility, Vice-dean for Research at the University of Applied Sciences Upper Austria.

Key findings from the test week include the positive reception of Advanced Driver Assistance Systems (ADAS) among truck drivers, showcasing a preference for their utilization. C-ITS messages and pictograms were lauded for their user-friendliness and clear communication, fostering a high level of trustworthiness among the interviewed drivers. Notably, the evaluation revealed that the compliance of drivers with instructions provided by road operators was context-dependent, further emphasizing the importance of fine-tuning C-ITS services for optimal integration with existing systems.

One significant observation from the test week highlighted a potential challenge, where the C-ITS Message Lane Offset conflicted with the advanced driving assistance service "Lane Assist." This valuable feedback will drive future collaboration between infrastructure operators and Original Equipment Manufacturers (OEMs) to enhance compatibility.

The ESRIUM H2020 project remains committed to its vision of revolutionizing traffic management through C-ITS services. With ongoing data analysis and impact calculation, the project will continue to fine-tune and optimize the C-ITS solution based on user feedback and comprehensive evaluation.

In addition to the University of Applied Science, Upper Austria, key partners actively involved in this successful test week include ASFINAG, providing C-ITS Messages on their road network, and Joanneum Research, contributing to the EGNSS preparation. These collaborations ensure a comprehensive and effective testing process, leveraging the expertise and resources of multiple partners to achieve the project's objectives successfully.



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Project Factsheet

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Coordinator:	JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH
Partners:	JOANNEUM RESEARCH FORSCHUNGSGESELLSCHAFT MBH , VIRTUAL VEHICLE RESEARCH GMBH , AUTOBAHNEN- UND SCHNELLSTRASSEN-FINANZIERUNGS- AKTIENGESELLSCHAFT , MAANMITTAUSLAITOS, FH OO FORSCHUNGS & ENTWICKLUNGS GMBH, EVOLIT CONSULTING GMBH, ENIDE SOLUTIONS .S.L, NNG SZOFTVERFEJLESZTO ES KERESKEDELMI KFT, POLITECNICO DI MILANO

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