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Towards the development of real time services for an optimized multimodal mobility supported by cooperative networks and open data - advances in TIMON project

Enhanced real time services for an optimised multimodal mobility relying on cooperative networks and open data (TIMON, EC grant No. 636220) is a project that aims at providing real-time information and services through a cooperative open web-based platform and a mobile application to different transport users - drivers, vulnerable road users, and businesses.

The TIMON project develops new technologies and artificial intelligence to build an open web-based platform for road users.

The key objective is to connect people, vehicles, infrastructure and businesses into a cooperative virtual ecosystem.

The system will collect and store data from cars, pedestrians, cyclists, shops and alike, processing it to deliver real-time information on nearby accidents, traffic jams and air pollution.

By sharing and receiving data, road users will be able to adapt their routes and choose the most optimal way to get to the destination. By helping them make the best decision, TIMON aims to increase safety, sustainability, flexibility and efficiency of road transport. The project results will have a direct impact on different aspects related to transport and mobility of people, TIMON will improve the safety levels of road transport, by reducing the number of crashes by 15%-20%, the real time alerts for drivers and vulnerable road users will specifically contribute to increased safety. Improving transport efficiency, by offering efficient and cost effective solutions for reducing congestion by 12%-20%; increase of flexibility, by providing alternative options to drivers in case of traffic disruptions; and in sustainability, by cutting down greenhouse gas and other pollutant emissions by 10% •

