

## Project Initiative BaustellenInfo digital RP

Roadworks often increase the risk of accidents and in many cases lead to traffic obstructions or even traffic jams. Nowadays, roadworks information can be integrated easily into navigation services and smartphones, and they can be thus increasingly detailed, precise and current.

The project initiative BaustellenInfo digital RP of the Ministry of Economics and Transport, Agriculture and Vinticulture MWVLW Rheinland-Pfalz aims at establishing efficient processes and an efficient data infrastructure to provide a basis for improved coordination of roadworks and comprehensive, precise and timely information of all road users via all suitable channels.

The project initiative focuses on the traffic regulations issued by competent authorities. Every roadworks on the road network requires this administrative act, which states when, where, how and for how long the construction site is planned and which safety actions must be taken. If diversions or even closures are necessary, this is noted there as well. The digital database to be created for such information can also be used to coordinate roadworks planning between the administrations prior to the official traffic regulation taking effect, in order take particular account of their interactions.

### The implementation of the project initiative faces many technical challenges:

- Most data is not available digitally or not location referenced
- Many actors store their data in non-standardised systems, which are not networked per se
- The systems were specified independently of each other and their data structures are therefore not compatible
- The functionality of systems and the volume and quality of data collected is not at the same level
- Some work processes do not yet record all the relevant data that must be provided for the roadworks information.

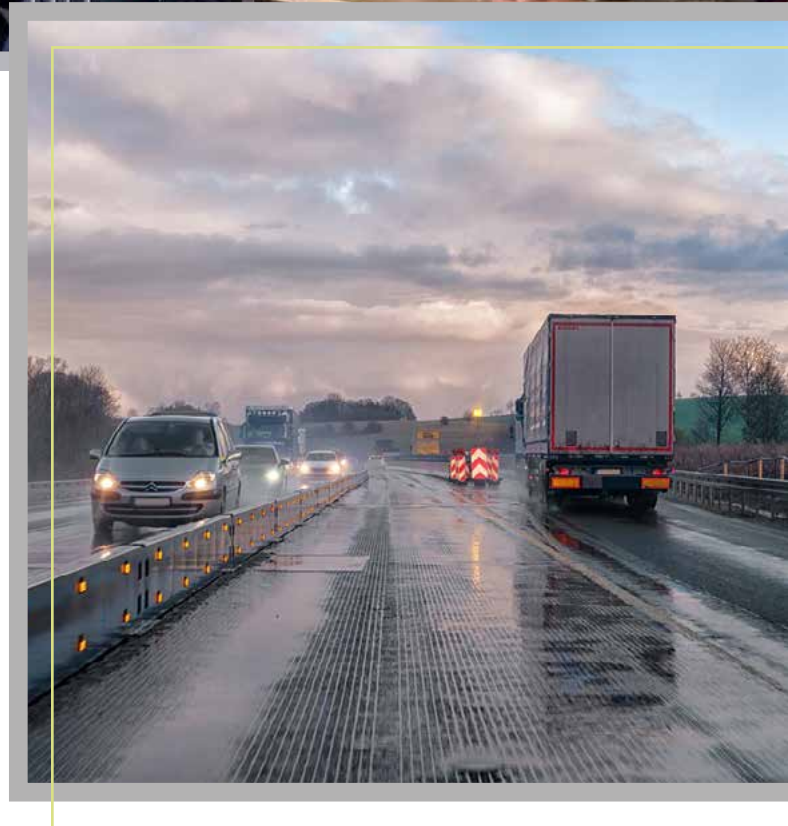
In addition, European standards and regulations of the Federal Ministry of Transport must be observed today. This ensures that the private service providers who provide the data in their devices to the road user - including us - can obtain the data, aggregate it and visualise it in the terminals.



As part of the initiative, a robust system architecture was developed, which the first users have been testing regarding their requirements since 2018. The roll-out is then planned for 2019. In addition, two private service providers (Garmin, HERE) have joined the project initiative and are testing at their own expense whether the Rheinland-Pfalz data provided via the national access point, the Mobility Data Marketplace (MDM), can be aggregated automatically and thus also made available in end user devices.

The project aims at aggregating all construction site information across RP on all roads in a single digital data set that is available in the right place and can be digitally processed by all.

The digitalisation of roadworks information in Rheinland-Pfalz will improve traffic information, support roadworks coordination, help prevent accidents and thus also reduce the risk of congestion.



## For further information please contact

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