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Quality of life

INFRAMIX

Road infrastructure ready for mixed vehicle traffic flows

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723016

PREPARING ROAD INFRASTRUCTURE FOR MIXED VEHICLE TRAFFIC FLOWS

- **Aim:** help to prepare road infrastructure to support the coexistence of conventional and automated vehicles
- **Key outcome:** "hybrid" road infrastructure
  - able to handle the transition period and
  - become the basis for future automated transport systems
- **Start und duration:** 1 June 2017 - 31 May 2020
- **Partners:** AustriaTech (Coordinator), ICCS, ASFINAG, Fraunhofer, Siemens Austria, VIRTUAL VEHICLE, Technical University of Crete, Abertis Autopistas España, Enide Solutions, TomTom Germany, BMW
- **Website:** https://www.inframix.eu/

SUPPORTING THE COEXISTENCE OF CONVENTIONAL AND AUTOMATED VEHICLES

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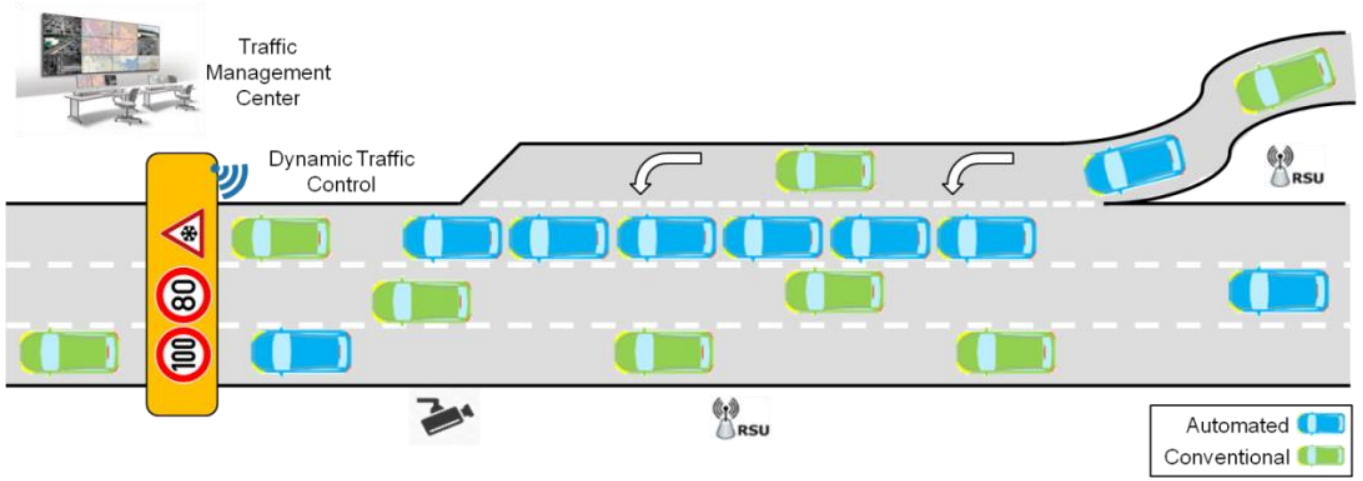
- Development, implementation and validation of **traffic state estimation** and **traffic control algorithms** for mixed vehicle traffic
- **Design**, **upgrade**, **adapt** and **test** both **physical** and **digital** elements of the road infrastructure
- Development of an **infrastructure classification scheme** for automated transport



Scenarios:

- Dynamic lane assignment
- Roadworks zones
- Bottlenecks

EVALUATION OF INFRAMIX DEVELOPMENTS

- Adaptation and development of **simulation environments for mixed traffic scenarios**
- Linking **simulation environments** to **real traffic test sites**
- **Evaluation** of project developments via **simulation** and on **real stretches** of advanced highways in Austria and in Spain
- Evaluation of **users' appreciation** and **acceptance**