## Holistic Approach for Driver Role Integration and **Automation Allocation for European Mobility Needs**

### Duration

**42** months (Jan. 2020 – Jun. 2023)

#### Objective

to increase the safety of automated driving (AD) level transitions by 85 % compared to traditional, non-adaptive human machine interfaces (HMIs), and achieve acceptability of 95%

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HOR



virtual 🛟 vehicle

#### Methodology

- **19** human participant studies will explore and evaluate fluid HMI concepts and driver monitoring methods in driving simulators and field demonstrations
- Field demonstrations will be performed using the full range from light to larger passenger vehicles and freight vehicles/trucks
- The HADRIAN demonstrators and effectiveness metrics will be translated into guidelines and recommendations for OEMs world-wide for:

2020

 human-systems integration of safe • AD technologies and functionalities

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Impact

Safe human-machine interface of highly automated driving functions Safe and controlled transfer between use cases of different

automation levels

Reduction of risks for driver behaviour related incidents

Achievement of the European Transport White Paper "Vision Zero" objective

