The **Hadrian** Project

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%

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:
  - human-systems integration of safe
  - AD technologies and functionalities

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

Prevention of road accidents caused by human errors

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

virtual vehicle

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