

Evaluation plan for assessing the impact of high automation on the user and society

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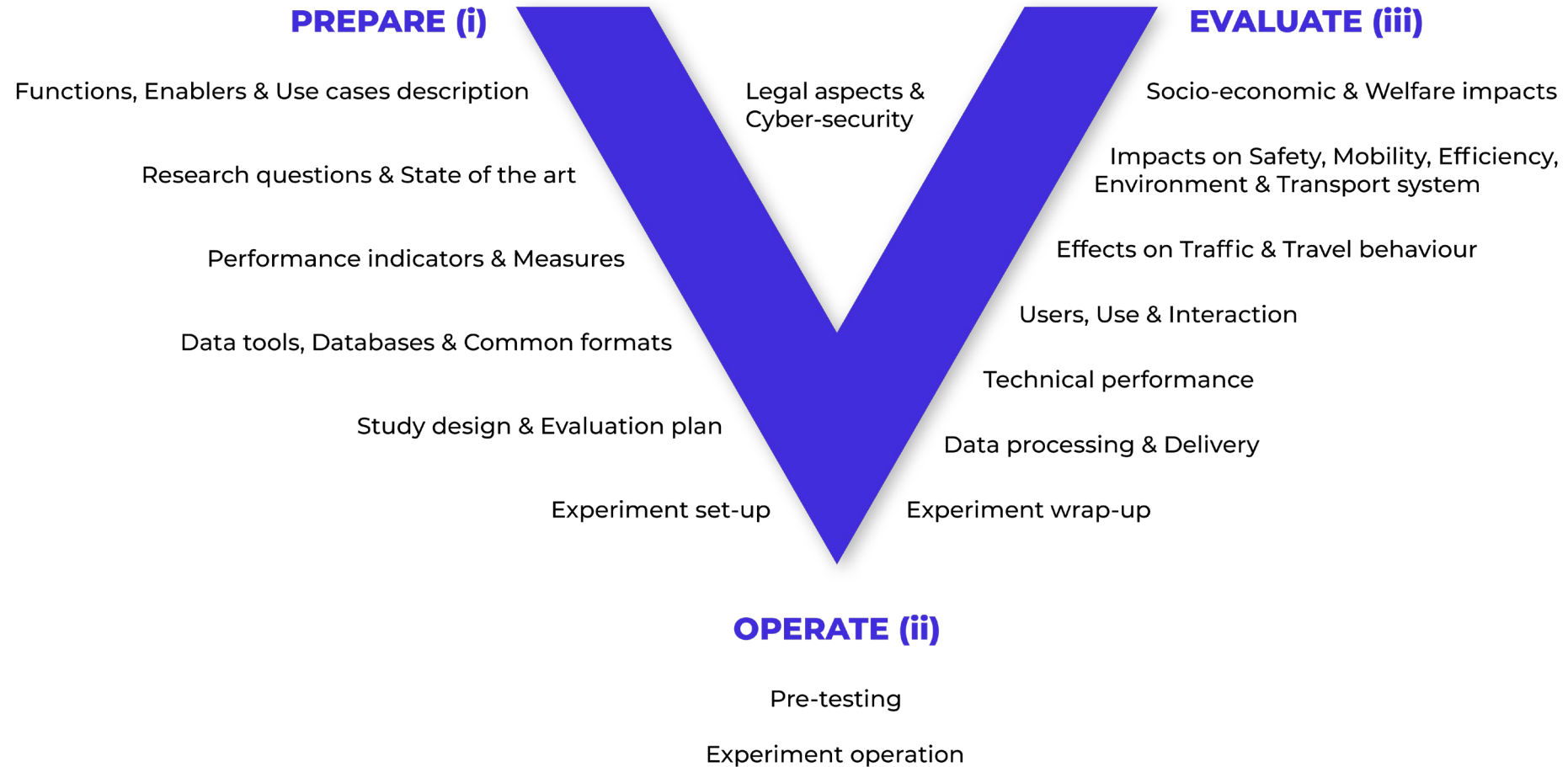
Methodology

Extended methodology for testing high automation across Europe – from single users and vehicles to the transport system and socio-economics.

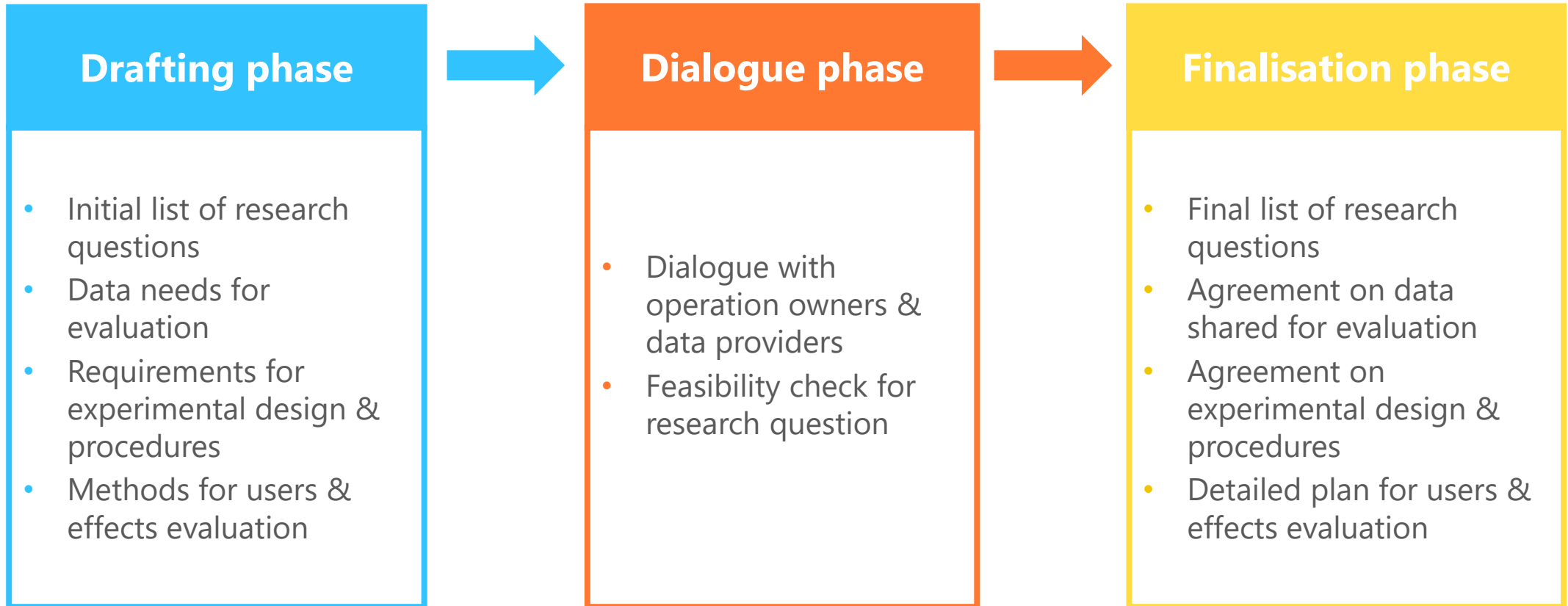


- Multidisciplinary Methodology
- Research Questions & Data
- Impact Mechanisms
- Experimental Procedures
- Evaluation Methods
- Common Data Formats

FESTA Implementation plan adapted for Hi-Drive



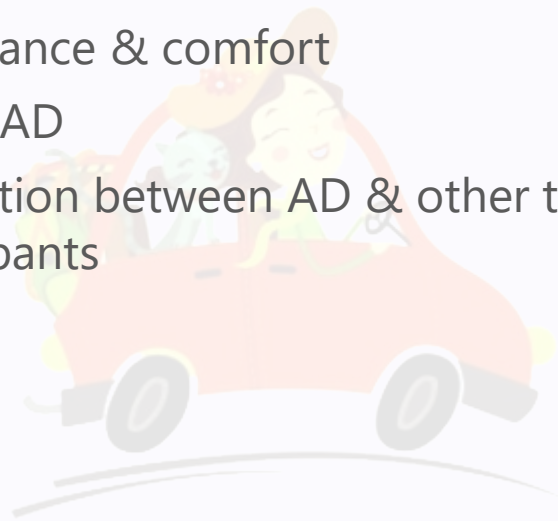
Process for setting the Hi-Drive Methodology



Dual focus in evaluation

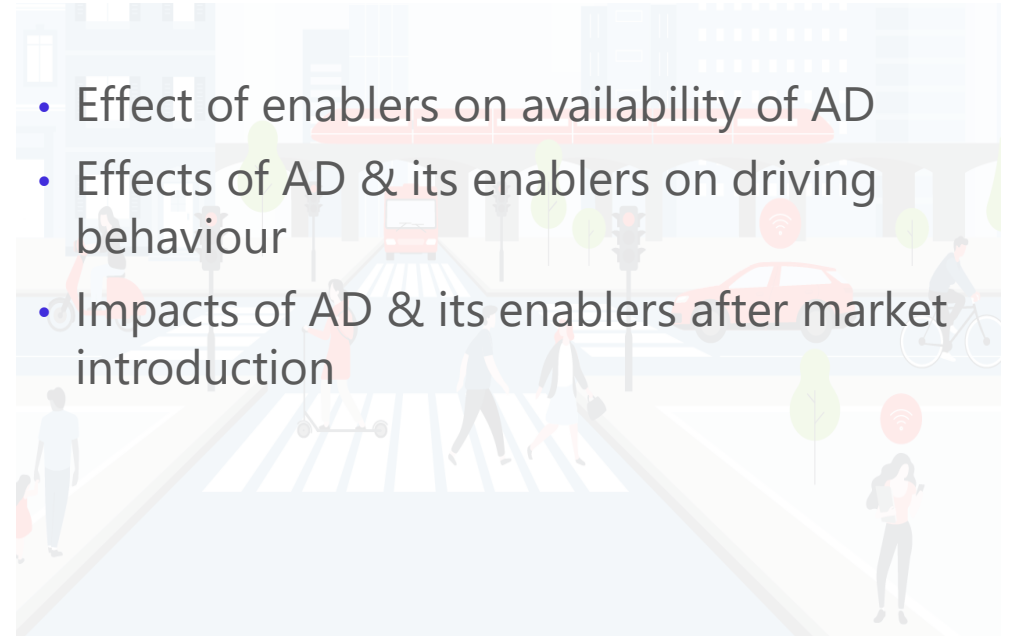
Users

- Acceptance & comfort
- Use of AD
- Interaction between AD & other traffic participants

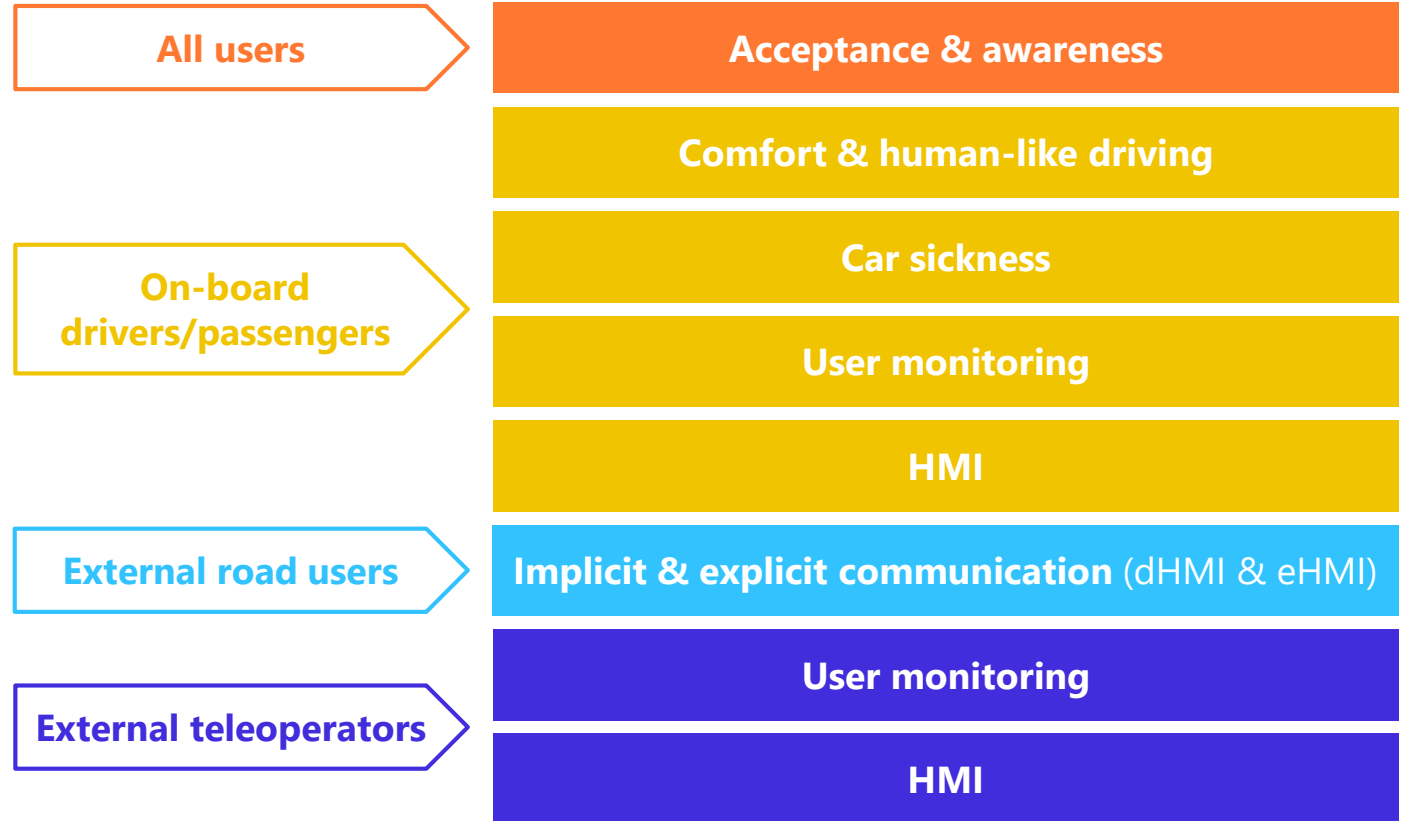


Effects

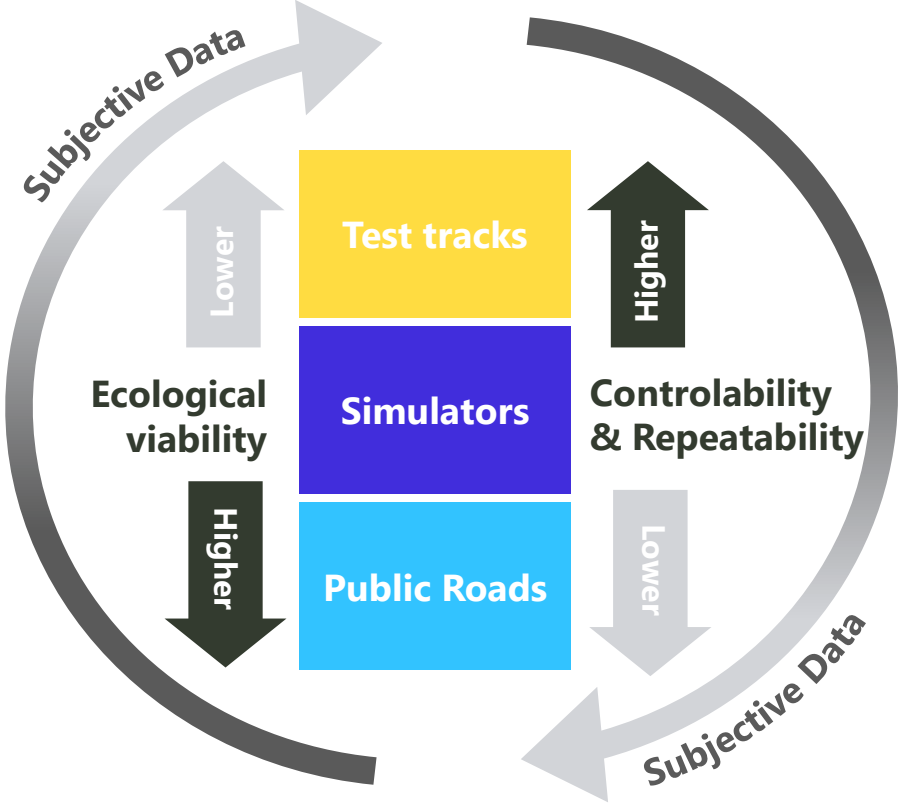
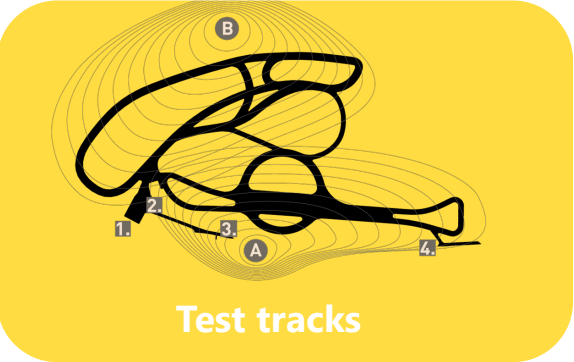
- Effect of enablers on availability of AD
- Effects of AD & its enablers on driving behaviour
- Impacts of AD & its enablers after market introduction



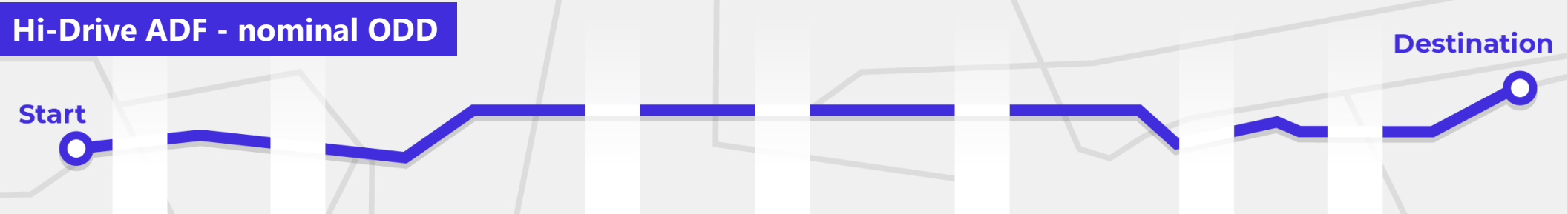
User evaluation plan



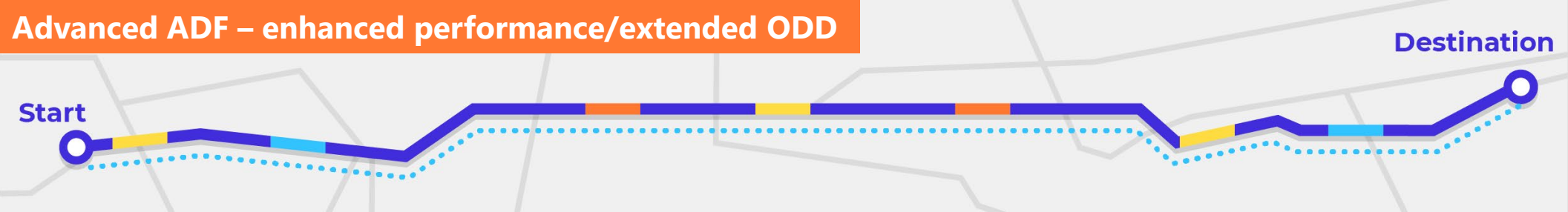
User evaluation plan



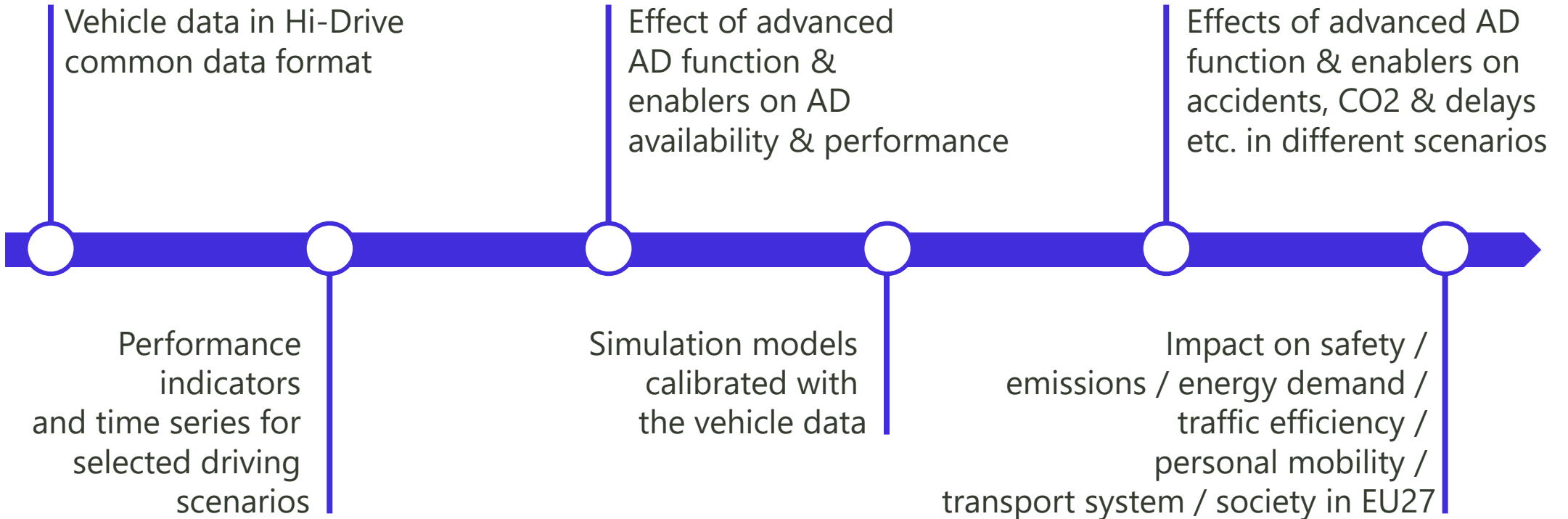
Effects evaluation plan



+ **Enabler**: Connectivity | High-precision positioning | Context learning via ML | Cybersecurity =



Effects evaluation plan



Foundation for successful evaluation

- Multitude of experiments providing evidence that allows extensive evaluation
- Established partnerships between evaluation team, enabler providers and operation owners
- Smooth data flow from experiments via tools to all evaluation methods
- Multidisciplinary evaluation methodology
- Well-defined and tested evaluation plan





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THANK YOU FOR
YOUR KIND ATTENTION.

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