



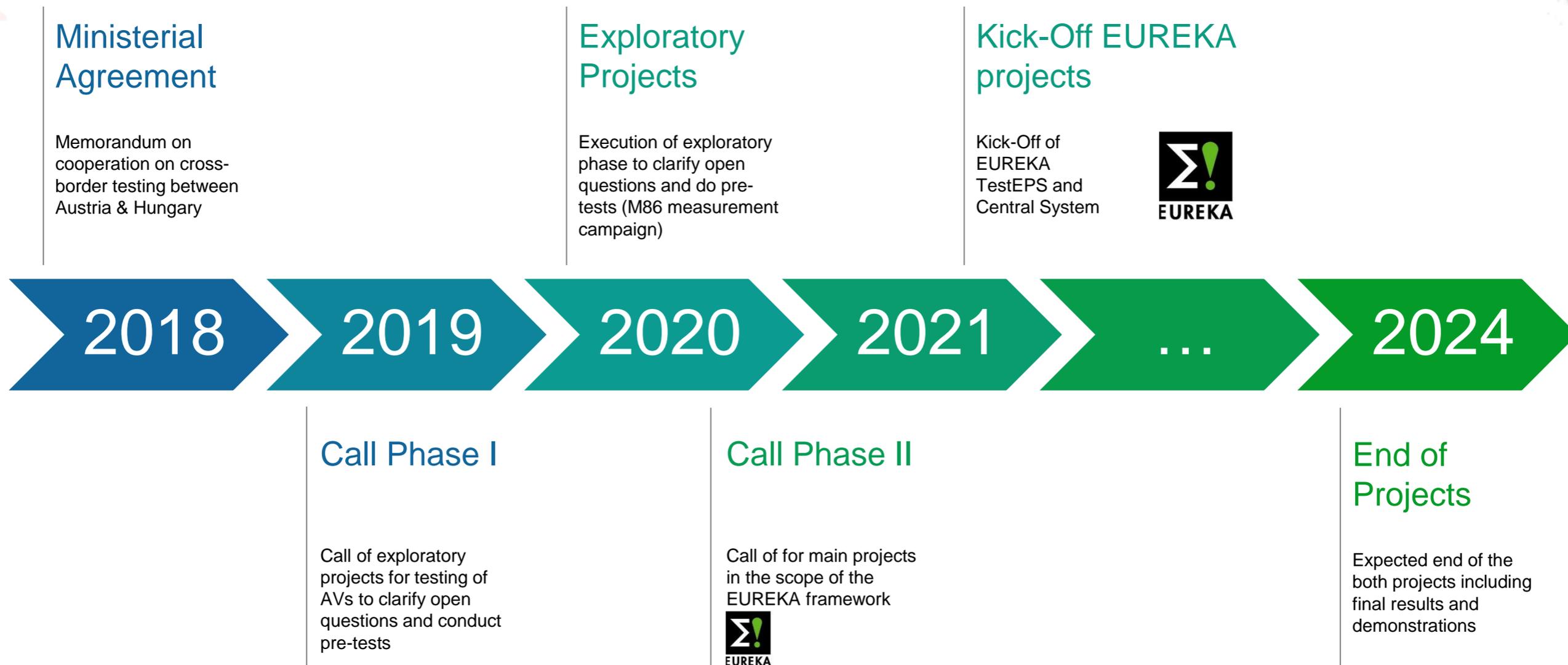
EUREKA Test.EPS

testEPS EUREKA project
4th Trilateral Conference
15th of July 2022



Ákos Merkel
Project Manager

Origin of the projects



Austria & Hungary Call for projects

Call for Joint R&D projects on cross-border testing of automated driving between Hungary & Austria within the framework of EUREKA



Intended Scope:

- Development of **innovative products and applications**.
- Development of **close-to-market solutions**.
- **Strong market potential** for Austria and Hungary expected.
- **Foster cooperation** and **exploring synergies** between **Hungarian** and **Austrian** test tracks between existing developments.
- **Strengthening the region's research** development and innovation potential.

 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology



NATIONAL
RESEARCH, DEVELOPMENT
AND INNOVATION OFFICE

Vision & Mission

EUREKA testEPS Vision:

Certified automated driving functions and environmental perception systems (EPS) for robust and safe operation of automated mobility

EUREKA testEPS Mission:

Development of virtual and real cross-border testing approaches enabling certification of driving functions with special focus on EPS including regulatory and legal aspects

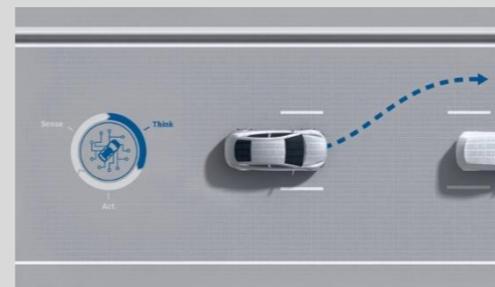
Driving Function

EPS: SENSE

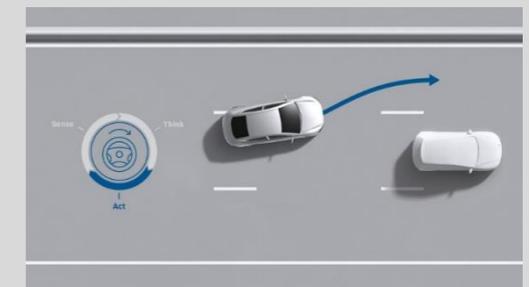


Difference in road-markings
Difference in traffic signs
Difference in written language

PLAN



ACT



Picture Source: Robert Bosch GmbH

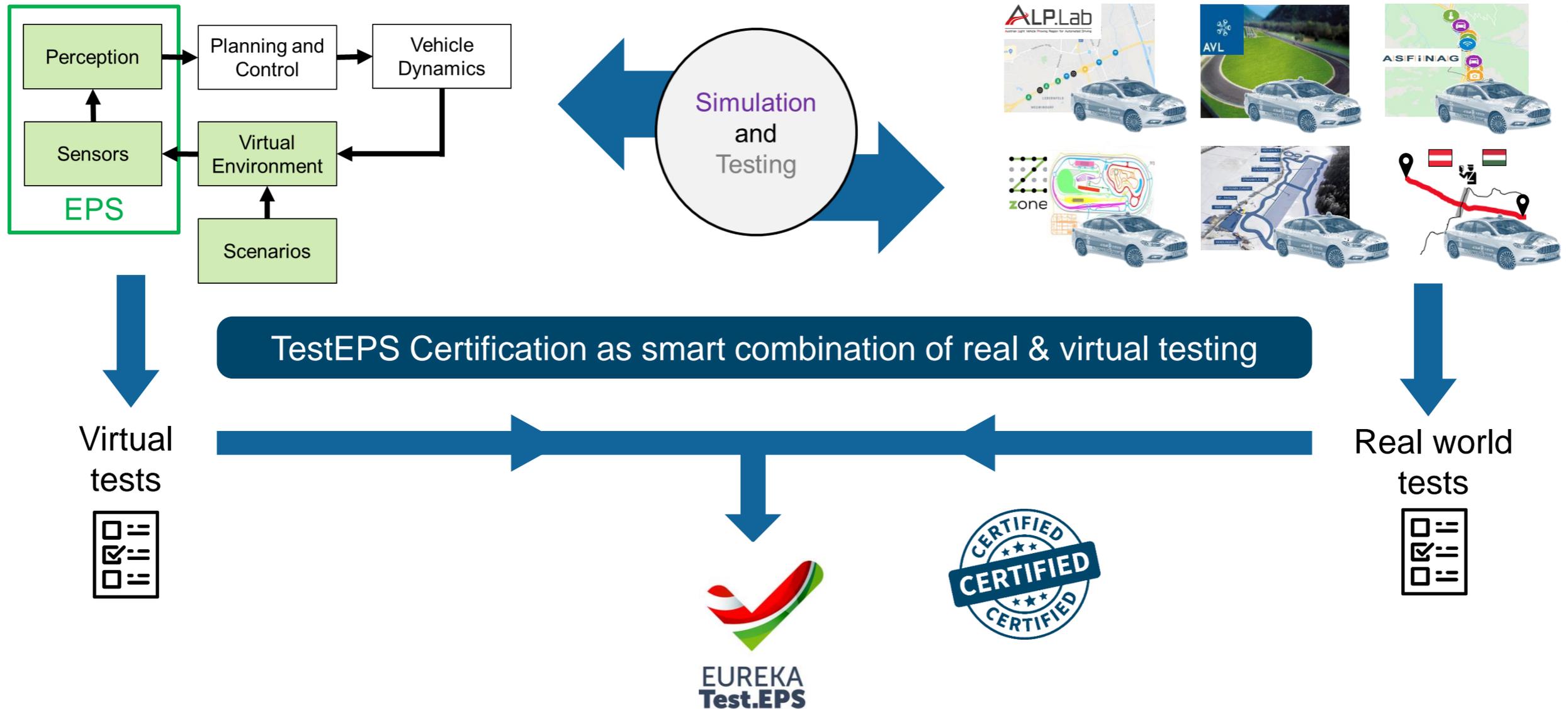
TestEPS and Central System at ICCVE2022




1 Central European Test Area
for transnational ADAS/AD and EPS testing




Key Outcome: Certification as combination of real & virtual testing



4 Project UseCases

UC1 - Certification of a valet parking driving function

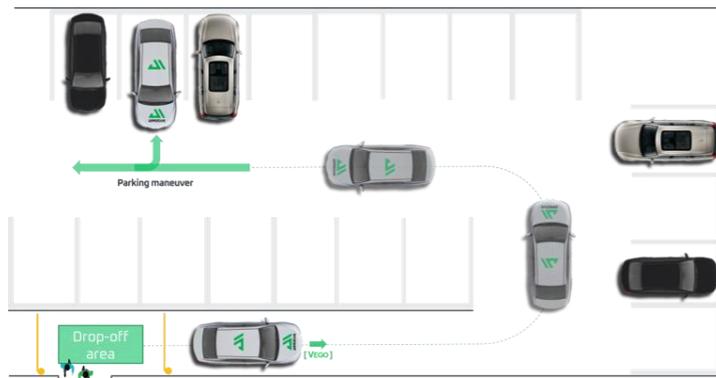
UC2 - Testing of regulation compliance for an ALKS in an AUT/HU ODD

UC3 - Virtual Methods and Datasets for EPS

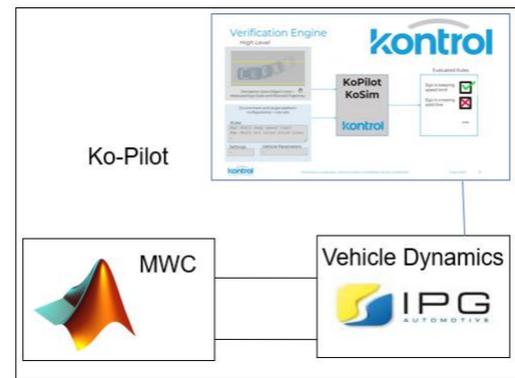
UC4 - Perception Verification

Driving Function Focus

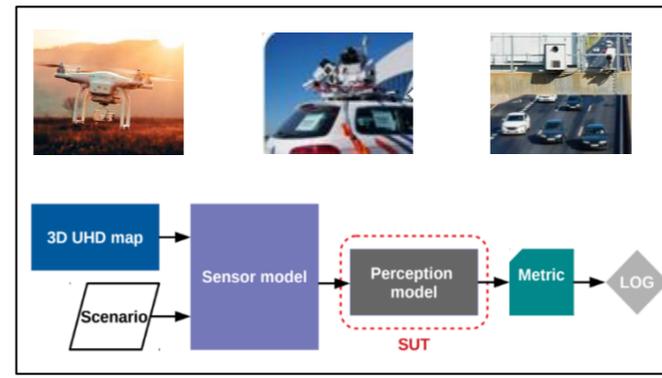
Perception Focus



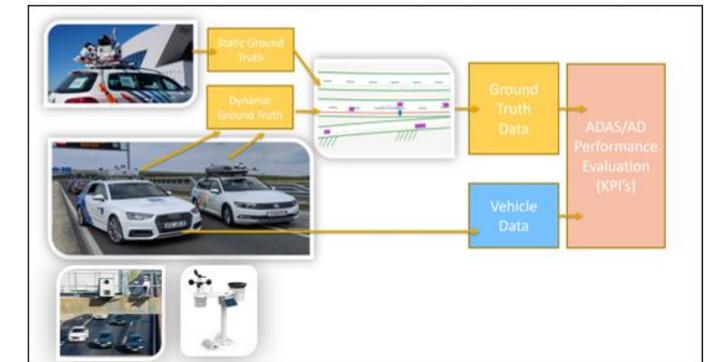
UC1



UC2

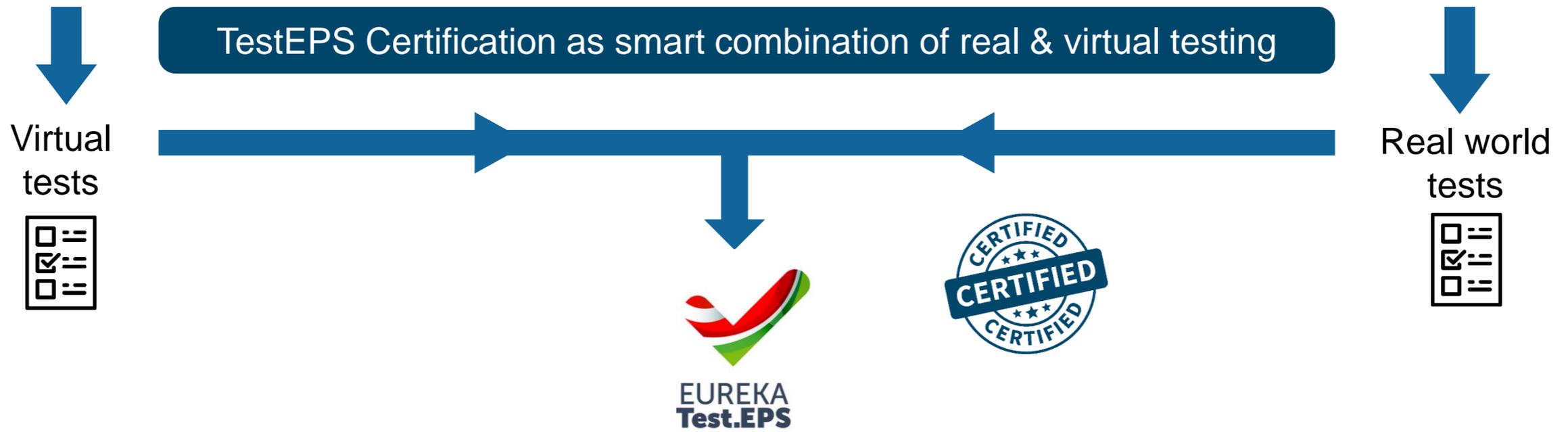
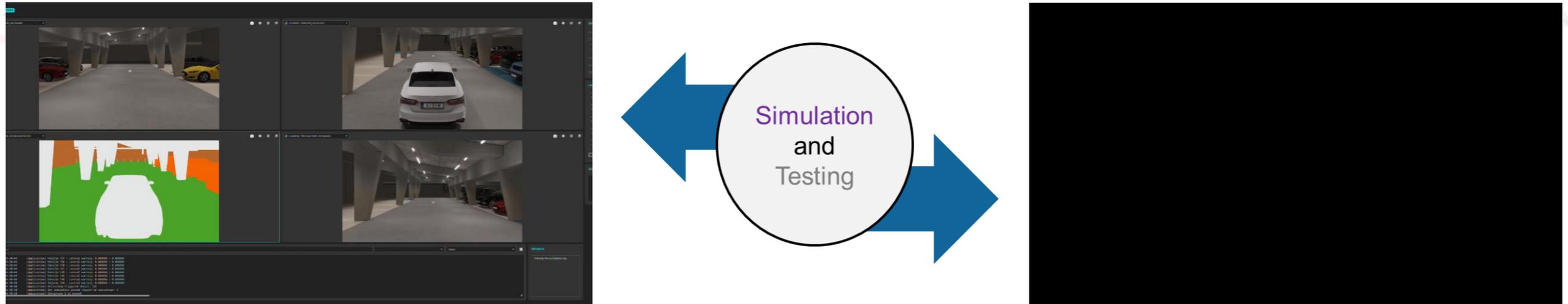


UC3



UC4

Key Outcome: Certification as combination of real & virtual testing





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