HEADSTART

FINAL EVENT

Welcome

Moderator: Sytze Kalisvaart – TNO

Agenda

Time	Topic	Speakers
9:00	**Welcome address**	Georgios Sarros – European Commission
9:15	**Project introduction**	Carlos López – Applus IDIADA
9:30	**Description of the methodology** • Overall methodology • Scenario selection and allocation • Testing & evaluation • Conclusions & open issues	Nicolas Wagener – IKA Bernhard Hillbrand – Virtual Vehicle Xavier Sellart – Applus IDIADA
10:30	**Break**	
10:45	**HEADSTART use cases** • Truck platooning • Highway pilot • Traffic Jam Chauffeur	Jacco van de Sluis - TNO
11:00	**Key user groups** • Approval – ALKS • Consumer testing • Technology developers	Oriol Flix – Applus IDIADA Sjef van Montfort - TNO

Agenda

Time	Topic	Speakers
11:20	HEADSTART Key Enable Technologies (KETs) • Cybersecurity • Positioning • Communication V2X	Joaquim Castella – Virtual Vehicle Andrea Steccanella - CRF
11:50	Evaluations and conclusions	Xavier Sellart – Applus IDIADA
11:55	Wrap-up and closure	Sytze Kalisvaart - TNO
12:00	End of the event	

Welcome address

Georgios Sarros, Project Officer at European Climate, Infrastructure and Environment Executive Agency (CINEA)

Way of working

✓ Attendees can raise questions by writing in GoToWebinar chat

✓ Questions may be answered during the presentations by the HEADSTART team

  ▪ Unanswered questions will be addressed in writing afterwards

✓ A selection of questions will be raised to the speakers at end of each block

✓ The session will be recorded

✓ The presentations will be shared on the HEADSTART website this week

FINAL EVENT

Project introduction

Presented by: Carlos López – Applus IDIADA
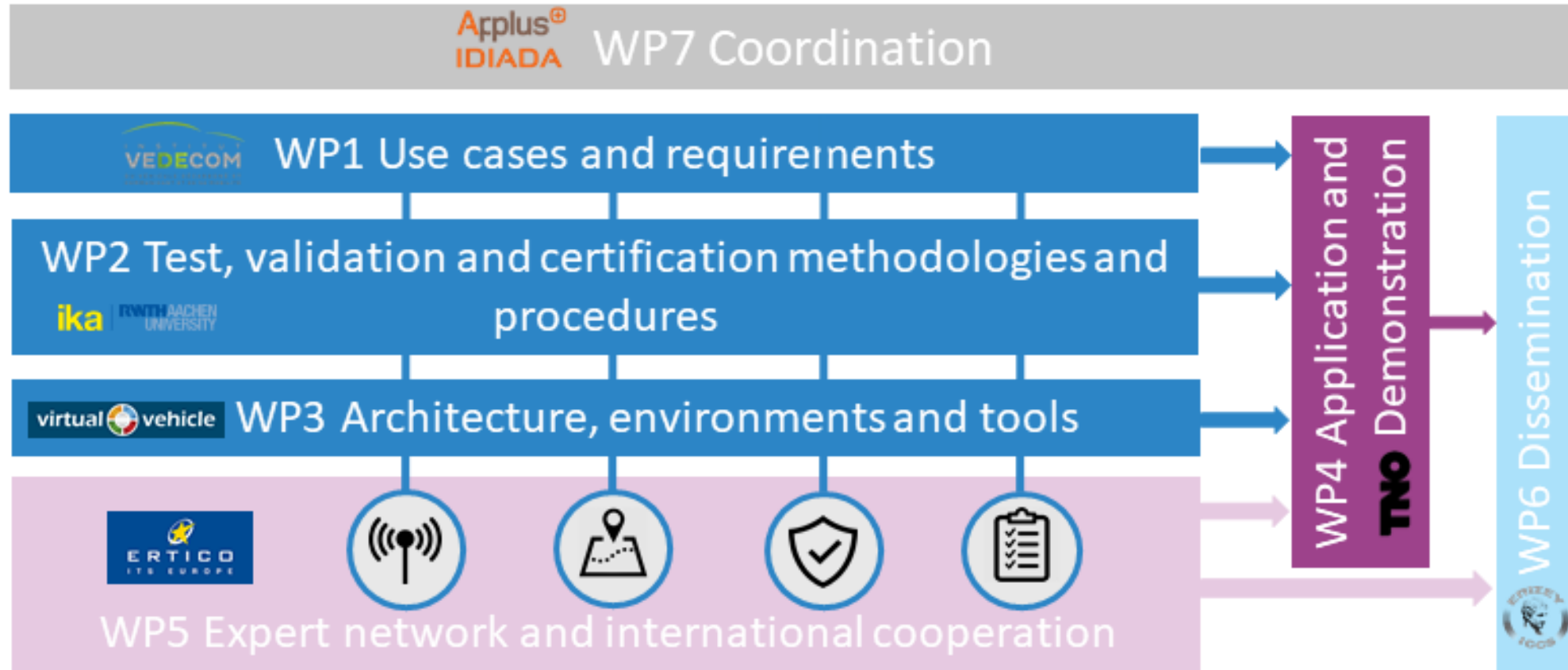
HEADSTART project facts

✓ **Call identifier:** ART-01-2018

✓ **Type:** RIA

✓ **Duration:** 01.2019 – 12.2021 (36 months)

✓ **Budget:** 6M€

✓ **Consortium:** 17 partners

✓ **Coordinator:** Applus IDIADA, Mr. Xavier Sellart / Mr. Carlos López

✓ **Dissemination Manager:** ICCS, Dr. Angelos Amditis, Research Director

✓ **Website:** https://www.headstart-project.eu

✓ **Social media:** 🐦 / HEADSTART_EU

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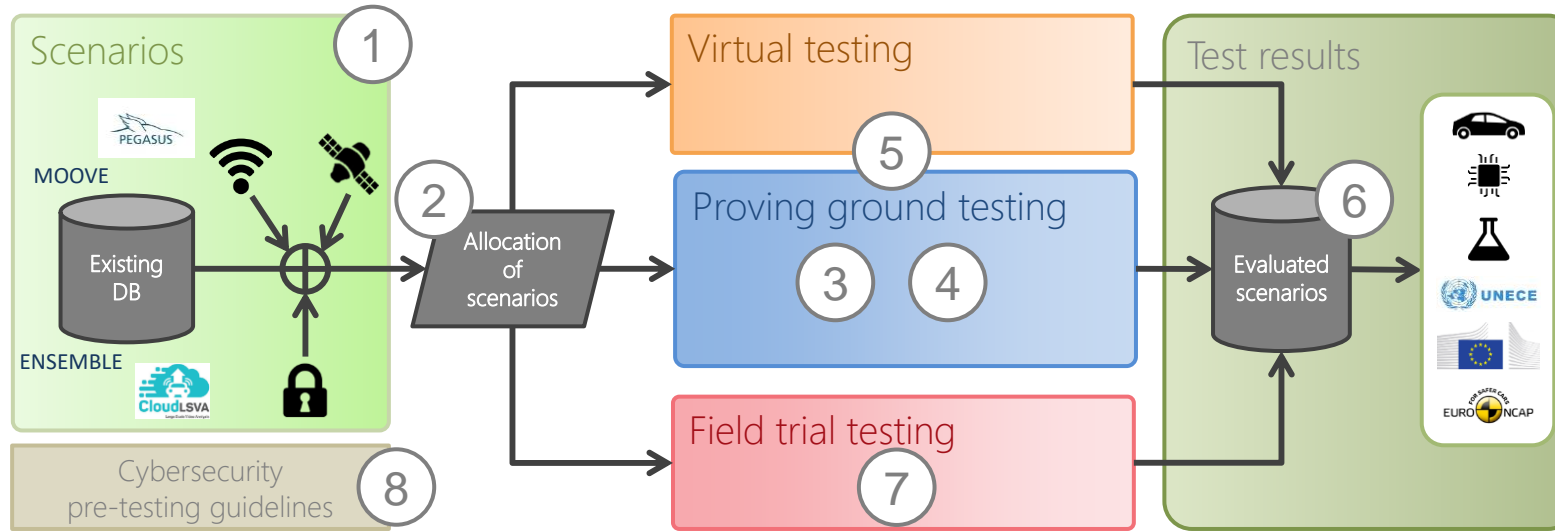
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HEADSTART Consortium

- ✓ 7 research centres
- ✓ 2 Technical services
- ✓ 3 Euro NCAP laboratories
- ✓ 4 OEMs
- ✓ 2 Tier-1s
- ✓ 3 coordinators of H2020 ART calls
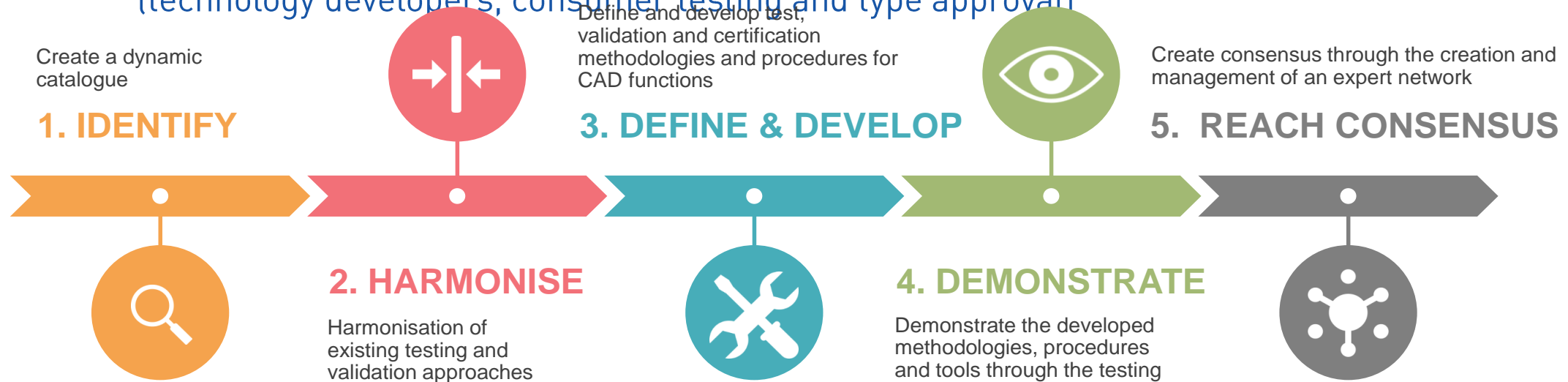
Work Package Structure

Project's Concept

1. Integration of positioning, communications and cyber-security in CAD test scenarios

2. Comprehensive procedure for the allocation of test cases per testing platform

3. Selection criteria and specification for proving ground test scenarios taking into account criticality

4. Proving ground testing and evaluation

5. Correlation between simulation and proving ground results

6. Harmonised, open result compilation and sharing

7. Field trial test methodology description

8. Cyber-security principles and integration in the testing methodology

Project's Objectives

HEADSTART defined testing and validation procedures of CAD functions including:

- its key enabling technologies (i.e. communication, cyber-security, positioning)
- by cross-linking of all test instances such as simulation, proving ground and real world field tests
- to validate safety and security performance according to the needs of key user groups (technology developers, consumer testing and type approval)

Create a dynamic catalogue

Define and develop test, validation and certification methodologies and procedures for CAD functions

Create consensus through the creation and management of an expert network

1. IDENTIFY

3. DEFINE & DEVELOP

5. REACH CONSENSUS

2. HARMONISE

Harmonisation of existing testing and validation approaches

4. DEMONSTRATE

Demonstrate the developed methodologies, procedures and tools through the testing

HEADSTART VIDEO

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    www.headstart-project.eu

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    in HEADSTART-PROJECT

    in HEADSTART project (Group)

    f @HeadstartEUproject

✓ Reach us via an e-mail:

    info@headstart-project.eu

✓ Sign up to our newsletter:

    https://lists.iccs.gr/wws/subscribe/headstart-news

✓ Get in touch with our partners

Project Deliverables

ID	Name	Status
D1.1.	State of innovation of existing initiatives and gap analysis	Available
D1.2.	Stakeholders and user group needs	Available
D1.3.	Technical and functional requirements for KETs	Available
D1.4.	Functional requirements of selected use cases	Available
D2.1.	Common methodology for test, validation and certification and criteria to allocate scenarios	Available
D2.2.	Extension of the common methodology for the HEADSTART KETs	Available
D2.3.	Assessment method for each of the use cases defined	Available
D3.1.	Guideline of a comprehensive validation and certification procedure to ensure safe CAD systems	Available
D3.2.	Toolchain for mixed validation – integration of simulation and physical testing	Available
D3.3.	Assessment criteria of CAD functionalities for consumer testing and type approval	Not public yet

Project Deliverables

ID	Name	Status
D3.4	Harmonisation proposals of test results	Not public yet
D3.5.	Specification of test procedure for the selected Use Cases	Not public yet
D4.1.	Demonstrated methods and procedures for the selected UC	Not public yet
D4.2.	Evaluation results of application and demonstration	Not public yet
D4.3.	Video with the results of the impact assessment of HEADSTART and an overview of the demonstrations.	Not public yet
D5.1.	HEADSTART networking mid-term report	Not public yet
D5.2.	HEADSTART networking report	Not public yet
D6.1.	Website	Available
D6.2.	Dissemination and Communication Strategy	Available
D6.3.	Dissemination and Communication strategy: review	Available
D6.4.	Dissemination and Communication strategy: beyond HEADSTART	Not public yet

Project Deliverables

ID	Name	Status
D6.5.	Dissemination material: First year	Available
D6.6.	Dissemination material: Second year	Not public yet
D6.7.	Dissemination material: Third year	Not public yet
D6.8.	Report on efforts towards standardisation	Not public yet
D7.3.	Data Management Plan	Available

✓Available deliverables can be downloaded from www.headstart-project.eu

HEADSTART Partners