



# Workshop on Hybrid Communication

***WELCOME***

This project has received funding from the  
European Union's Horizon 2020 research programme  
Under Grant Agreement no. 653339



# Background



- The term “Hybrid Communication”, **European wide introduced at the C-ITS platform** in the Phase 1 report (2016):
  - include the use of multiple but at least Cellular and IEEE802.11p/ITS-G5 communication technologies.
- The term “Hybrid Communication” was introduced by an Amsterdam Group paper and an Dutch standardisation report from Rijkswaterstaat realized by PaulsConsultancy and MAPtm in 2014. The term was a way to ensure/improve data quality.
- Based on the recognition of the term “Hybrid Communication” in the C-ITS Platform phase 1 report **stakeholders formed similar but varying views** on this.

# Early Idea (2014/2015)

- The intention of “Hybrid Communication” in 2014 was to realize focus on **the effect of having an multiple dynamic communication environment and a multiple service provider landscape.**
  - Today already multiple communications implemented (no news).
- Two aspects intended to be covered by the first intention:
  - Radio situations differ depending on time and location:  
**How to coop and manage radio availability situations of deviation in case of...?**
  - Multiple sources of similar information:  
**How to judge the relevance and value of what is received**

# Objective

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- **To establish a common European view on what “Hybrid Communication” stands for**
- **To come to a definition for “Hybrid Communication”**
- It is not a comparison of technologies as for resilient systems redundancy availability of various sources of information will be required.

## Coming to a recognized view expected in 5 steps

1. **Sharing the views** at CODECS workshop 19 May 2017
2. **CODECS collects the views** and translates this in a recommendation.
3. **Recommendation delivered** to the EU commission C-ITS Platform and other stakeholders for review leading to possible update.
4. Updated **recommendation to be discussed in C-ITS Platform** meeting July 2017 (expected date).
5. **Adoption by all members of the C-ITS platform** during the plenary meeting in September

# Agenda



- **09:30 Registration and Coffee**
- **10:00 Welcome and Introduction** (Paul Spaanderman, PaulsConsultancy, Karl-Oskar Proskawetz, ITS-AN)
- 10:15 EU COMMISSION (Geert van der linden, DG MOVE)
- 10:30 ASFINAG (Marko Jandrisits, ASFINAG)
- 10:50 DEUTSCHE TELECOM (Edwin Fischer, Deutsche Telecom )
- 11:10 NORDICWAY (Iikka Kotilainen, Project Manager NordicWay)
- **11:50 Coffee break (20 min)**
- 12:10 SCOOP@F (Erwan Broquaire, CEREMA representing Ministry of Transport FRANCE)
- 12:30 EATA [European Automotive Telecom Alliance ] (Luc Jansseune, ERTICO)
- 12:50 5GAA [5G Automotive Association ] (Bob Banks, Robert MacDougall, VODAFONE)
- **13:20 Lunch break (40 min)**
- 14:00 VOLKSWAGEN (Andreas Kwoczek, VW)
- 14:25 CZECH DEPLOYMENT (Martin Volny, INTENS)
- 14:50 InterCor (Igor Passchier, TASS)
- 15:15 TIMON (Karsten Roscher, Fraunhofer ESK)
- 15:40 Summary & Closing (Paul Spaanderman, PaulsConsultancy)
- **16:00 End of Workshop**

# CODECS at a glance



- **Cooperative ITS DEployment Coordination Support**
- **Acronym: CODECS**
- **Number:** 653339
- **Call:** H2020-MG-2014\_SingleStageB
- **Topic:** MG-7.2b-2014  
Towards seamless mobility addressing fragmentation in ITS deployment in Europe
- **Type:** Coordination & Support Action
- **Duration:** 1 May 2015 – 30 April 2018 (36 month)

# CODECS at a glance



## OBJECTIVES

- **Sustaining C-ITS deployment in Europe by**
  - Coordinating initial deployment activities
  - Aligning deployment road maps
  - Giving strategy coordination support
  - Raising awareness for the idea of cooperative road traffic
- **Building up and maintaining stakeholder network**
  - For information sharing, knowledge transfer, exchange of experiences
  - For consolidating implementation approaches, functional preferences and strategy requirements
  - By organising workshops, webinars, stakeholder meetings, conferences, personnel consultation



# CODECS at a glance



## Objectives

- **Serving as nodal point for consolidating stakeholder requirements**

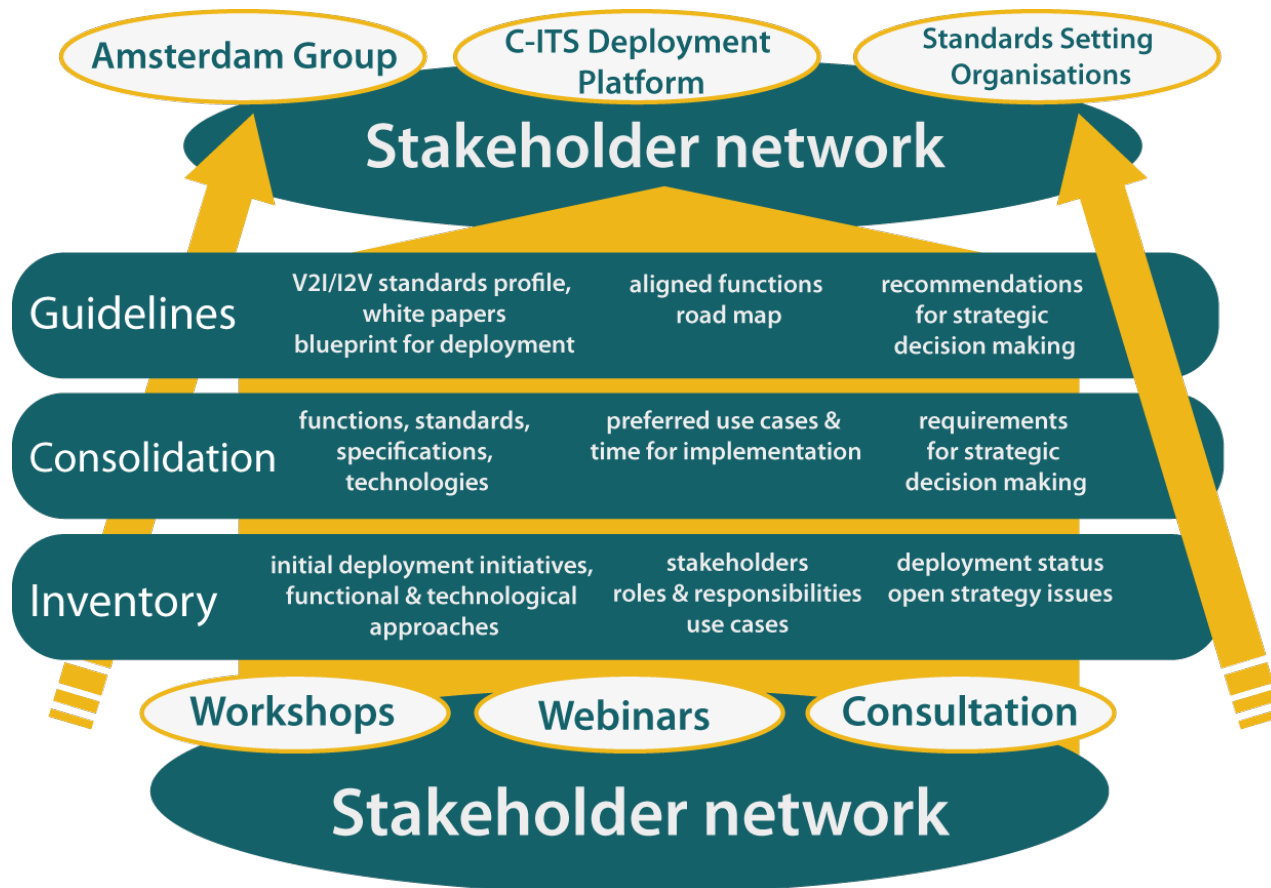
- Horizontal level: aligning functional approaches and open strategy issues between initial deployment initiatives and stakeholders
- Vertical level: calling attention to consolidated stakeholder views and preferences in discussion of high-level decision makers

- **Supporting**

- The Amsterdam Group
- The C-ITS Deployment Platform of the European Commission
- Standards Setting Organisations
- Other key deployment players

**in coming to a concerted C-ITS deployment approach.**

# CODECS at a glance



# Contact

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## **Codecs Website:**

<http://www.codecs-project.eu/index.php?id=5>

## **Contact Hybrid Communication Workshop:**

Ing. Paul Spaanderman: [ps@PaulsConsultancy.com](mailto:ps@PaulsConsultancy.com)

## **Contact Codecs:**

Dr.-Ing Karl-Oskar Proskawetz: [karl-oskar.proskawetz@its-an.de](mailto:karl-oskar.proskawetz@its-an.de)