

# I\_HeERO: Project Overview

04/11/2016

Making eCall Happen

Andy Rooke

I\_HeERO

Technical Implementing Officer



This project is funded  
by the European Union



# Agenda

- *About I\_HeERO*
- *I\_HeERO eCall Architecture*
- *Activity 1-6 overview*
- *Progress to date*
- *Questions*



# Why I\_HeERO?

- *Mandatory deployment of eCall based on 112 for Member State PSAP ready by 1<sup>st</sup> October 2017*
- *After 31<sup>st</sup> March 2018, eCall will be installed in all new types of cars and light vans sold in the EU*
- *Requirement to advance eCall*
  - *HGV eCall*
  - *P2W*
  - *Data Integration*
  - *NG112 eCall*



# About I\_HeERO

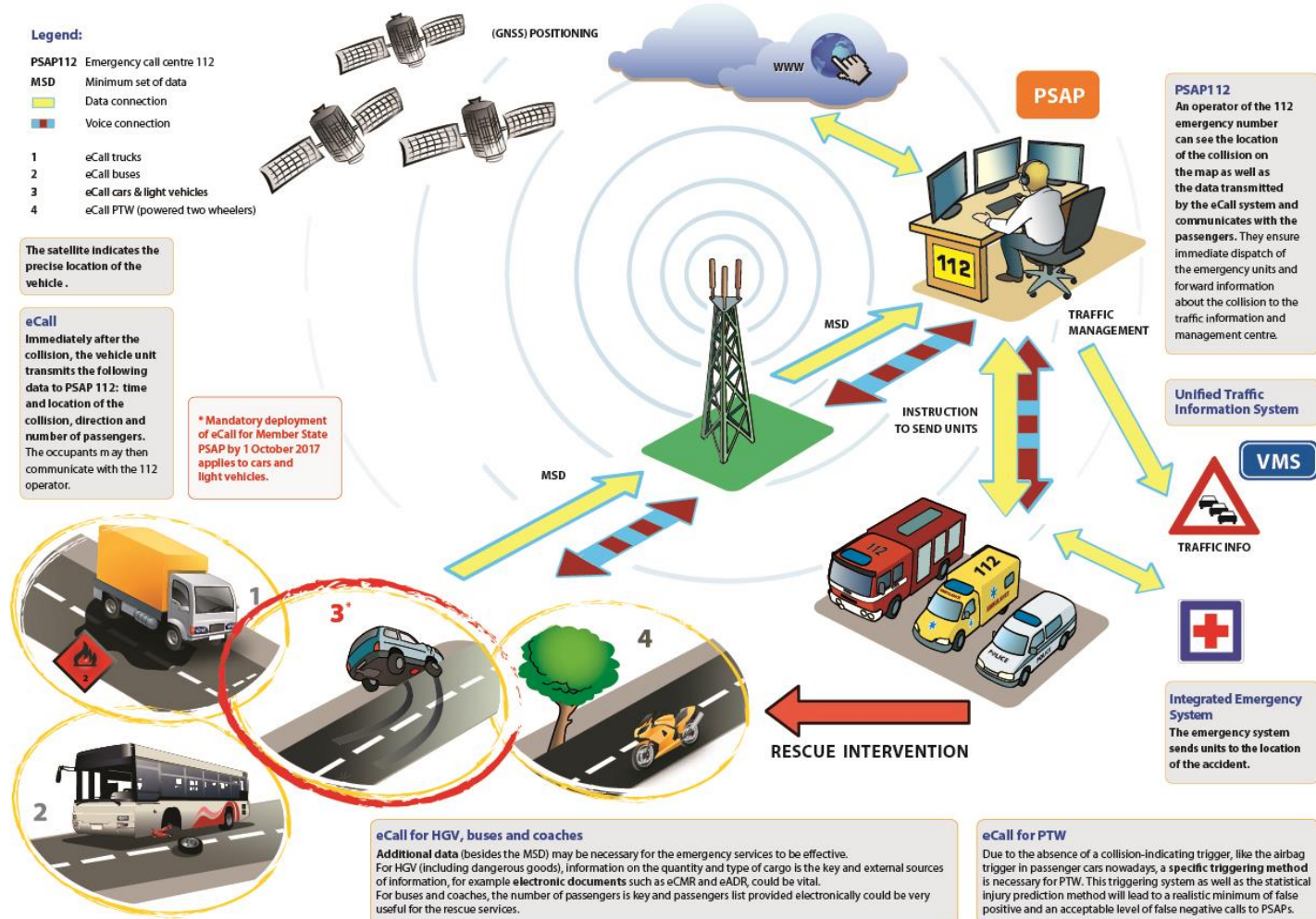
## *Deployment pilot project of EU-wide eCall*

*I\_HeERO (“I” for “Infrastructure”) aims at the preparation of the PSAP in Member States for the deployment of eCall based on 112 as reference implementations.*

- *58 Partners*
- *11 Member States*
- *5 Different Activities*



# How eCall works

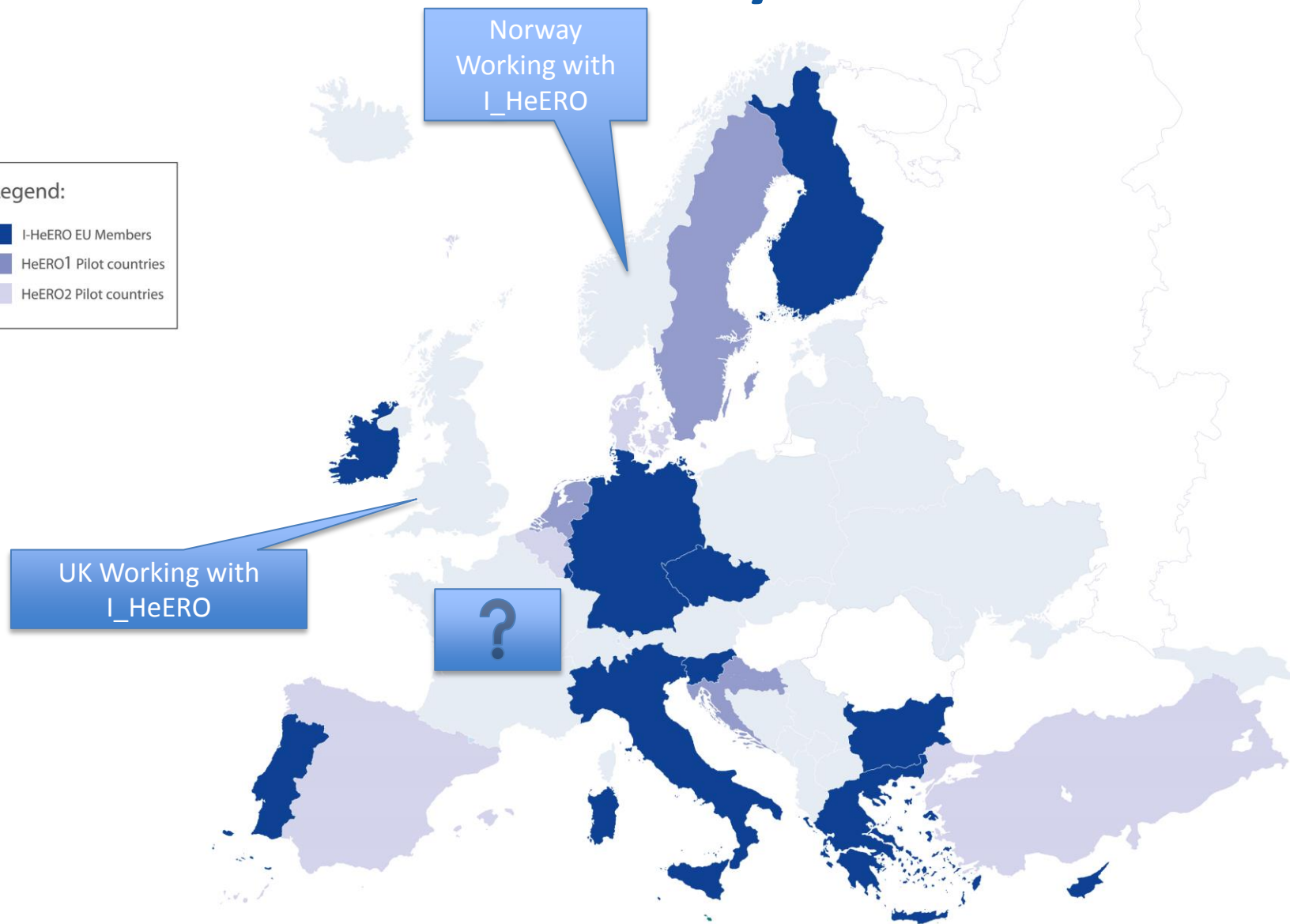


# **I\_HeERO: building further on HeERO and HeERO2**

- *I\_HeERO draws directly from the EU co-funded projects “HeERO” and “HeERO2”, Harmonised eCall European Pilot, to achieve the mandatory deployment of eCall based on 112 for Member State PSAP by 1 October 2017*
- *These projects analysed the feasibility and robustness of the eCall service with pilot installations on both the PSAP and vehicle site*



# eCall Member State activity after HeERO



# Activity 1 PSAP Upgrade Process

- *11 Member States*
  - *5 Completing upgrade process*
  - *6 Advancing PSAP Capabilities*
- *Significant effort in Germany (I\_HeERO lead) contract for 50 PSAP to be upgraded aim 251 PSAP!*
- *Most MS are participating in one or more of the additional activities*

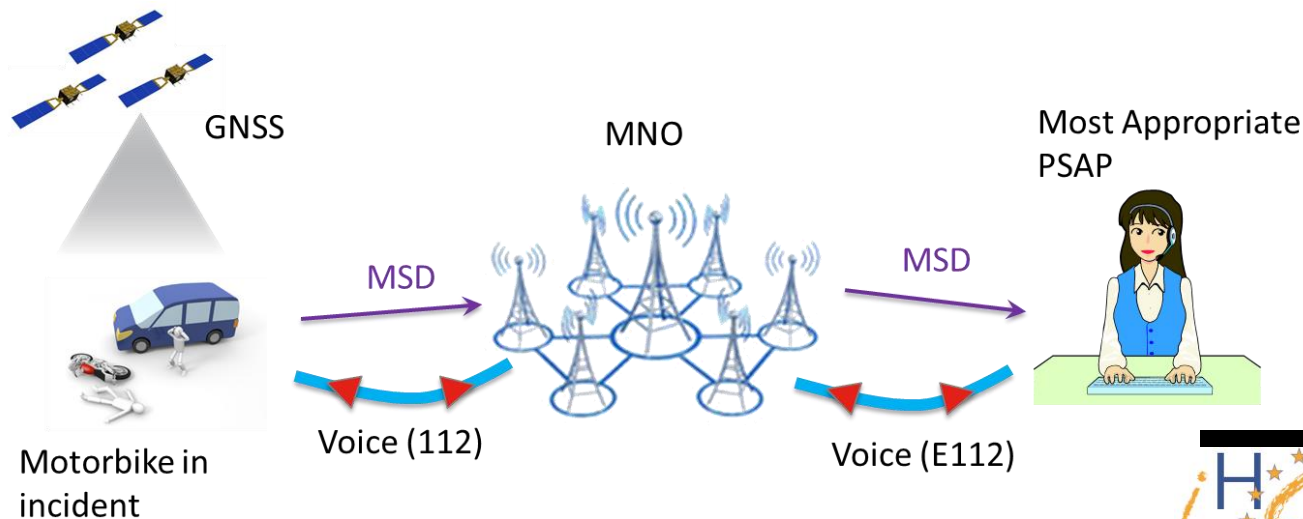
# Activity 2 eCall HGV & Coaches

- *To develop specifications for the IVS*
- *Develop prototype IVS*
- *Provide recommendations for the future implementation of eCall for HGV eCall*
- *Continuing work in HeERO2*
- *Strong involvement from The Netherlands (Associate Partner)*
- *Lead by IRU, with the participation of 29 project partners including all Member States.*



# Activity 3 eCall Powered 2 Wheels

- *Define the requirements and architecture of an eCall device for P2W*
- *Define a reliable triggering mechanism for P2W*
- *Identify determining factors for accident and injury severity*
- *Define minimally complex system architecture to improve industry and market uptake*



# Activity 4 Data Integration

**“The trick is not just receiving the MSD from the eCall it is moving it between emergency services” Jan Urbánek CZ**

- *Define interoperability between the MSD and CAP protocol*
- *Look at interoperability between EN16102 , CAP and Datex II*
- *Proposal of an architecture that goes beyond the current most appropriate PSAP” scheme*
- *Advanced geospatial reference system for PSAP*
- *Proposal of a robust scheme for eCall transmission*
- *Look at value data and their sources, to be added to the MSD*
- *EUCARIS integration,*



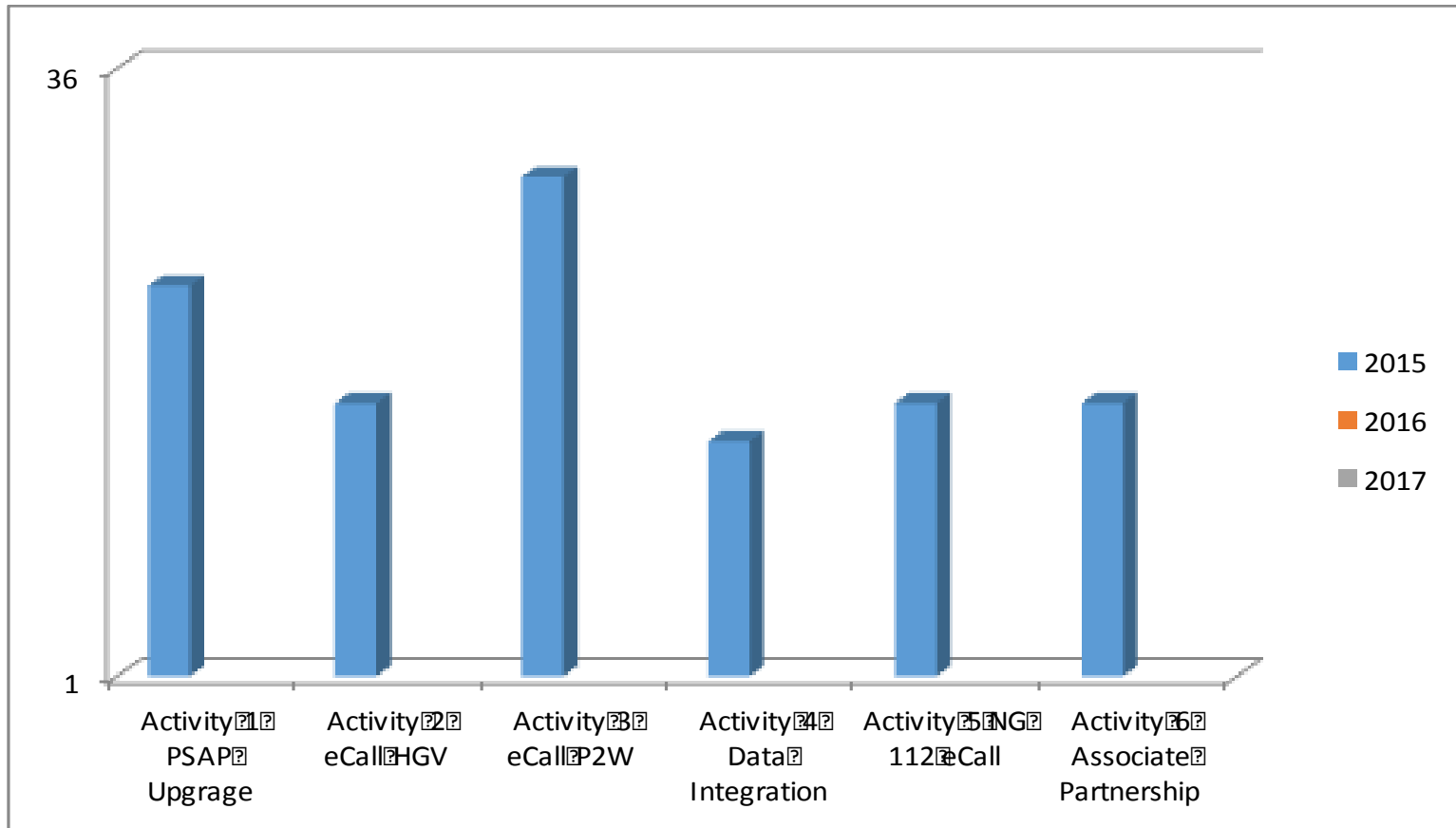
# Activity 5 NG 112 eCall

- *Define how eCall will work in Next Generation 112 = 4G or LTE*
- *Ensure a smooth migration of eCall to NG112 eCall*
- *Define additional information that should be transmitted to the PSAP for an NG112 eCall massive opportunities NOT ALL GOOD!*
  - *Would you always want live video from the car?*
- *Provide guidance regarding vehicle installation, integration and interfaces*
- *Demonstrate aspects of NG112 eCall in a Proof of Concept*
- *Close cooperation with standardisation stakeholders*
  - *ETSI*
  - *CEN*

# Activity 6 Associate Partners

- *Create associate partner category for both member states and commercial entities*
- *To share the I\_HeERO experience and the preceding HeERO activities*
- How?
  - Webinars every month
  - Access to Project Place I\_HeERO

# Where are we now in Year 2



# I\_HeERO Where to find us!

[www.iheero.eu](http://www.iheero.eu)

([www.iheero.com](http://www.iheero.com))



#I\_HeERO #eCall

Duration	1 January 2015 – 31 December 2017
Funding	€ 30.631.959 M
EU Funding	Total cost € 15.315.979,5 M



This project is funded by  
the European Union

# Questions



**THANK YOU  
FOR YOUR ATTENTION**

**Andy Rooke**  
**ERTICO - ITS Europe**  
**I\_HeERO Technical**  
**Implementing Officer**  
**[a.rooke@mail.ertico.com](mailto:a.rooke@mail.ertico.com)**



This project is funded by  
the European Union