# HeERO  Pan European eCall Solution

## Andy Rooke Project Coordinator

Round Table Discussion
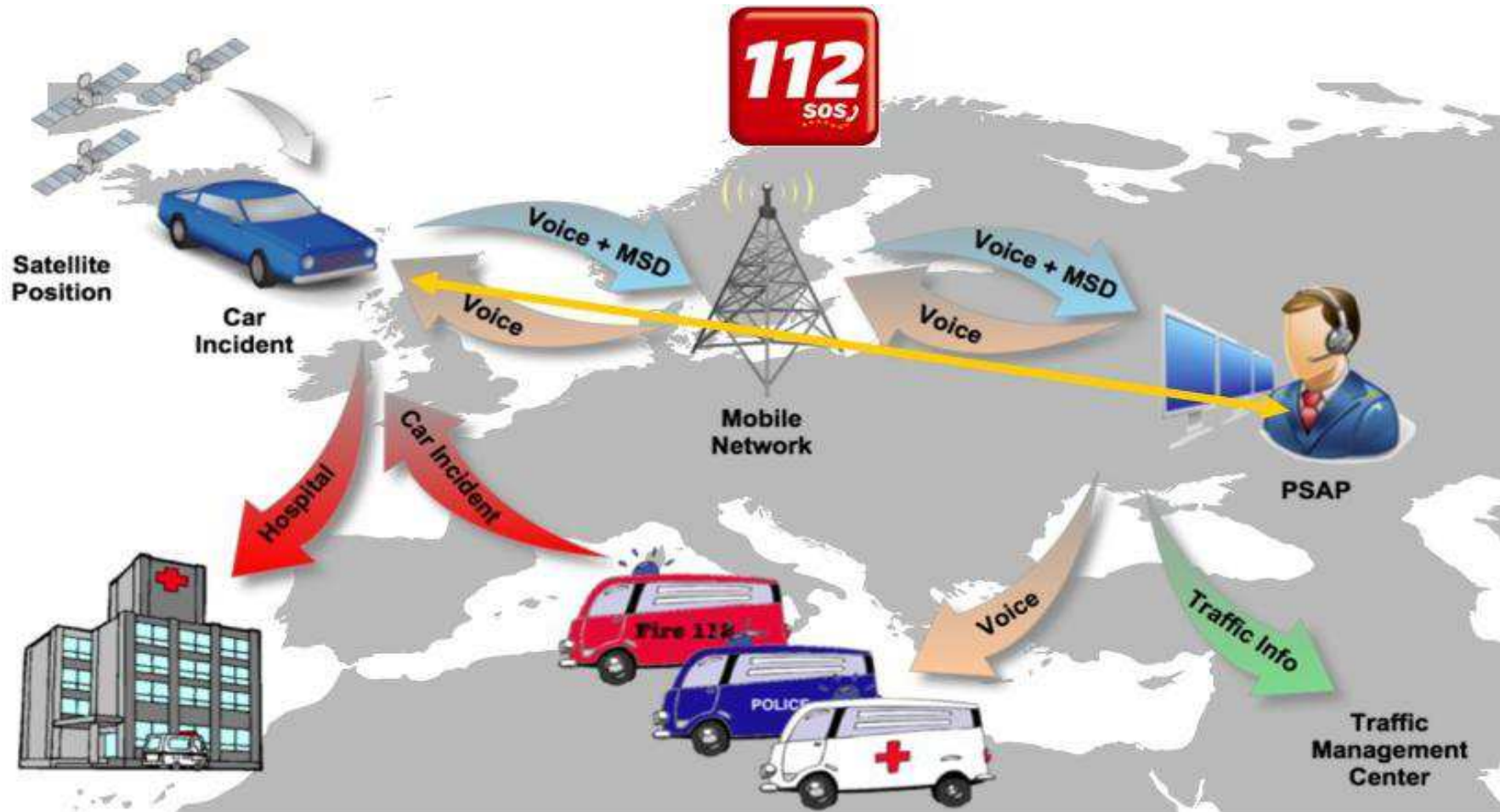
ITS Bulgaria

Sofia

Bulgaria

24th January 2012

# Agenda

- What is eCall?
- HeERO 1 overview and status year 1
- HeERO 2 description
- HeERO 2 topics
- HeERO 2 next steps
- Discussion

# •What is eCall?

# HeERO Partners

# HeERO 1 in Brief

Start date: 01/01/2011

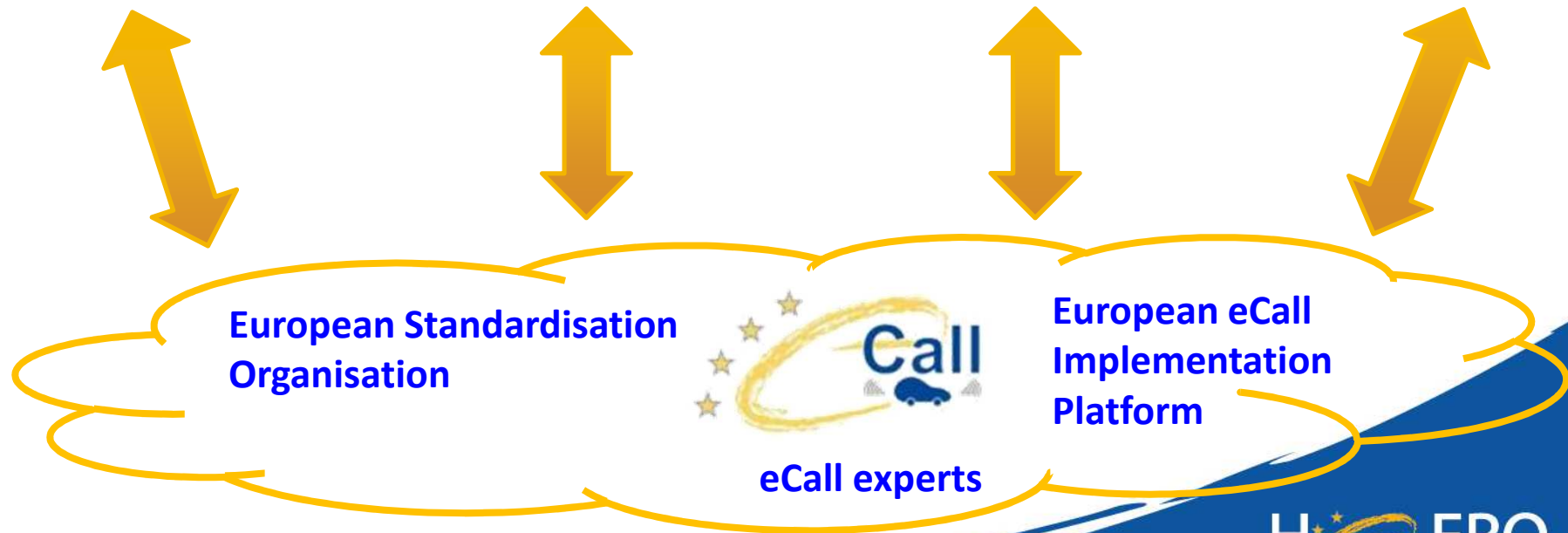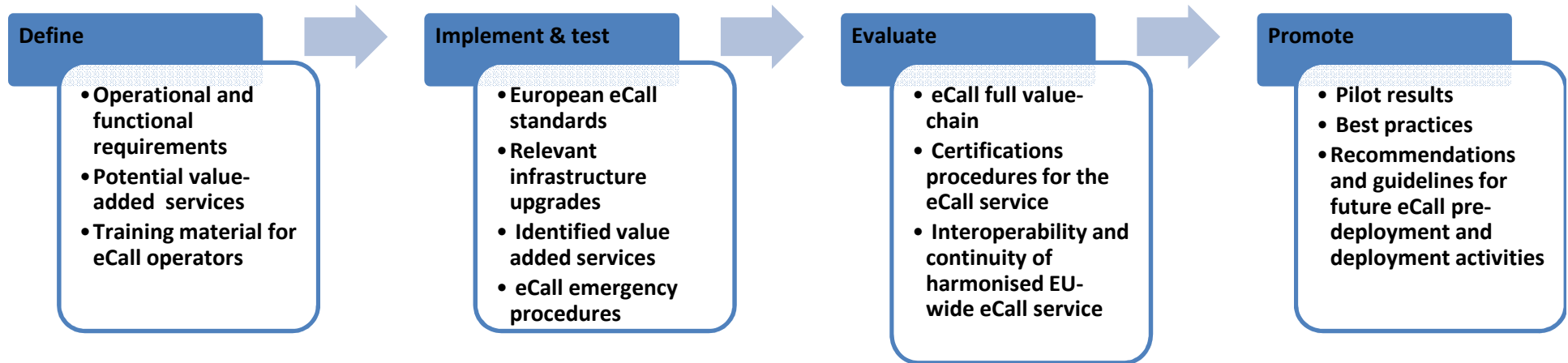Duration: 36 months

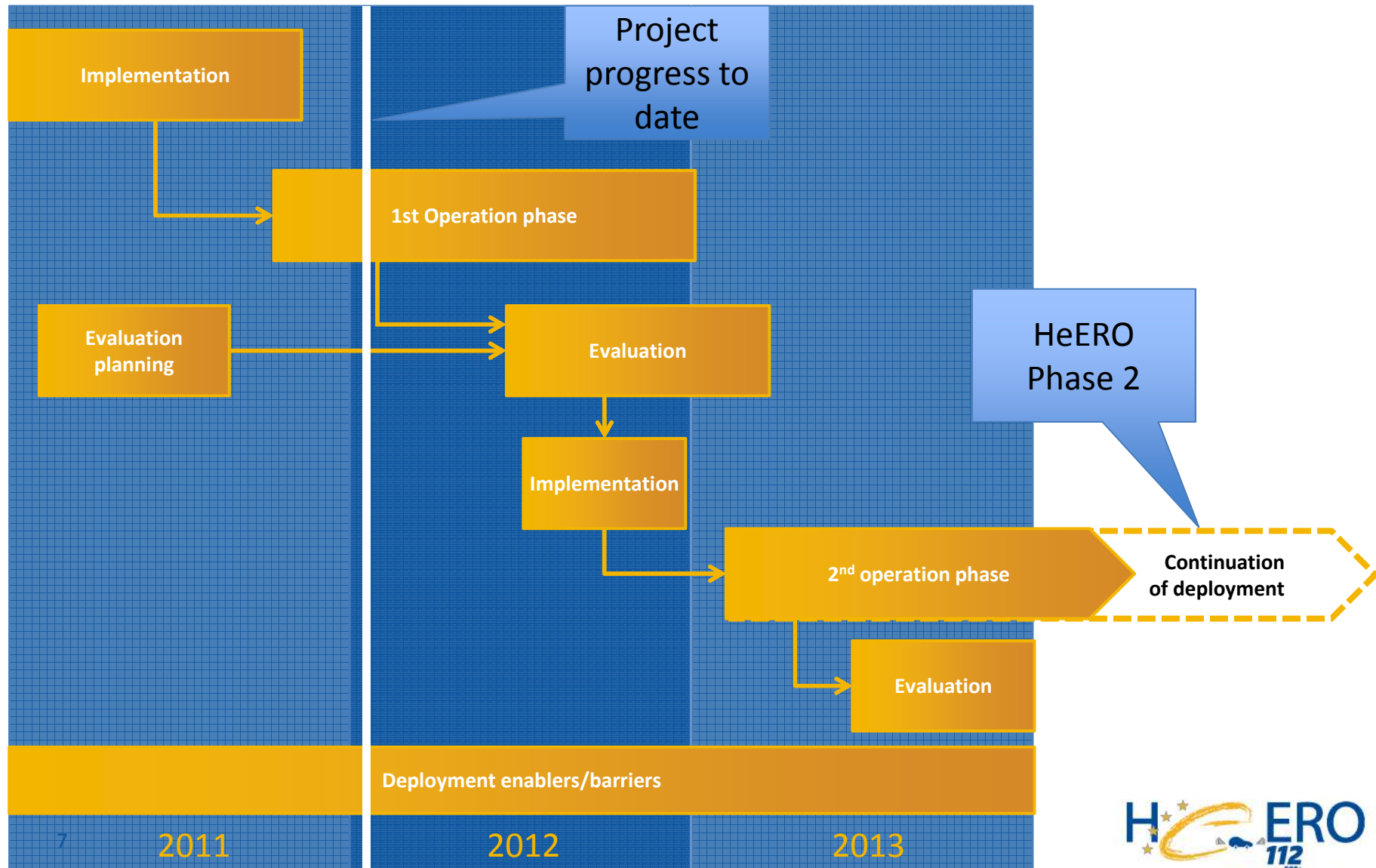Total budget: €10M

EC contribution: €5M

Coordinator: ERTICO

40 partners – 9 Member State Pilot Sites

Harmonised eCall European Pilot

# HeERO Objectives

**Define** → **Implement & test** → **Evaluate** → **Promote**

**Define**
- Operational and functional requirements
- Potential value-added services
- Training material for eCall operators

**Implement & test**
- European eCall standards
- Relevant infrastructure upgrades
- Identified value added services
- eCall emergency procedures

**Evaluate**
- eCall full value-chain
- Certifications procedures for the eCall service
- Interoperability and continuity of harmonised EU-wide eCall service

**Promote**
- Pilot results
- Best practices
- Recommendations and guidelines for future eCall pre-deployment and deployment activities

**European Standardisation Organisation**

**European eCall Implementation Platform**

**eCall experts**

eCall

HeERO 112 SOS

Harmonised eCall European Pilot

# Timeframe

# Test Sites Status

| Test Site/Question | Status of Test Site | No of Vehicles | MNO | PSAP | Points of Interest | Issues and Resolution |
|---|---|---|---|---|---|---|
| **Croatia** | Starting 3/2012 | Up to 200 vehicles | 2 MNO's | Single PSAP used | End to end testing operating on a live PSAP system | IVS delivered 22/11/11 |
| **Czech Republic** | Starting 11/2011 | 10 vehicles | 1 MNO | Single PSAP used | Public value chain being tested | |
| **Finland** | Starting 11/2011 | 1-5 vehicles | Engaged | Operational | Other MNO's watching closely | |
| **Germany** | Starting 12/2011 | 5 vehicles | Engaged | PSAP x 2 | inter-operability of IVS to PSAP | in-band modem isues |
| **Greece** | Start date to be determined | 2 vehicles | MNO Not engaged | Single PSAP used | | Issues with procurement |
| **Italy** | Starting 1/2012 | 5 vehicles from OEM and TPS | Engaged | Operational | | |
| **Netherlands** | Starting 3/2012 | Mixed fleet | MNO engaged | System on order | CDG and Public Value chain test | IVS now delivered |
| **Romania** | Starting 1/2012 | Not known at this time | MNO Not engaged but cooperating | Centralised PSAP being used | Public value chain being tested | MNO to be engaged Own IVS purchased |
| **Sweden** | Starting 11/2011 | 3 vehicles | MNO's engaged | Centralised PSAP to be used | Improving specification of in-band modem | MNO base station issue |

# Project HeERO Phase 2

- Call will open on the 1$^{st}$ February 2012 and will close on the 15$^{th}$ May 2012
- Start date for phase 2 yet to be defined but expected to be consecutive and will be for 2 years
- ERTICO will Coordinate the Project proposal
- It will be a CIP project
  - Implication 50% funding true partnership
- EC budget available €3m
- 5 New member states to be engaged

# What does all of this mean?

- Examine issues linked to pre-deployment for eCall,
- **inter-operability is key**
- Additional Vehicle Types
- Possible alternatives to IVS (BUT must comply with current standards)
- Items raised within phase 1
  - Certification
  - Location

# HeERO 2 Objective

- To extend HeERO to new Member States or associated countries to demonstrate the scalability of the HeERO solution and to widen the acceptance of eCall

# Aims to support the call objective

- **To prepare for the deployment of the necessary infrastructure to realise the pan-European in-vehicle emergency call interoperable service "eCall".**

- **To boost Member States or associated countries' investment in the infrastructure to ensure the readiness of the PSAP infrastructure and the interoperability of the service within the aimed roadmap (end of 2014)**

- **a wider adoption across more Member States or associated countries in order to test the proposed solution**

# Topics

- May include:
  - LGV eCall to include load
  - Nomadic Devices
    - Smart Phone type devices
    - Personal Navigation Devices
  - Retrofit
  - Powered 2 Wheels
  - Location, combination of 4 Navigation Systems
  - Certification of system

# What difference does HeERO make

- Pan European eCall requires 3 elements
  - In Vehicle System
  - Mobile Network
  - Public Safety Answering Point (PSAP)
- Member States evaluate existing systems accurate view of what is required
- New innovations identified
- Value Added Public/Private tested
- Refinement to standards

# What to do next

- To assemble an effective and compelling project proposal ERTICO as project co-ordinator requires
  - Active partners across the entire chain of eCall
    - Member States
    - PSAP operators
    - MNO
    - OEM's
    - TPS
    - Tier 1 and 2 suppliers

- **Conference Call 1400CET 1st February 2012**

# HeERO Observers

- Open to any interested eCall stakeholders

- Have a « log-in access » to a dedicated page of the HeERO website where you can:
  - Find pilot results and other key information of pre-deployment activities
  - Find contact details of participating partners
  - Find an Helpdesk session where they can raise questions on the pilot activities
  - Find detailed description of pilots sites
  - Have the possibility to contact the different pilot sites in case you would wish to use the infrastructure for test purposes

# Where to find us!

# www.HeERO-pilot.eu