

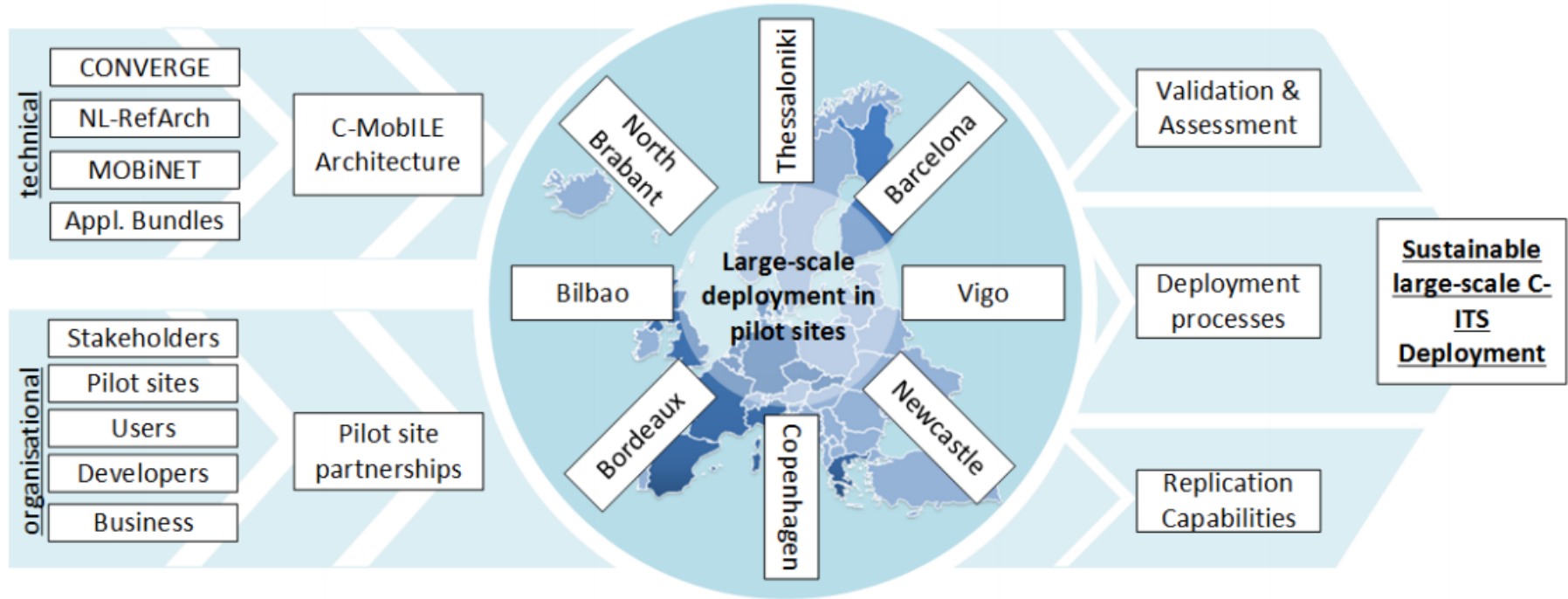


*YOUR DEVELOPMENT PARTNER*

C-Mobile  
30<sup>th</sup> of March, 2017

Marcos Pillado

## Accelerating C-ITS Mobility Innovation and depLoyment in Europe

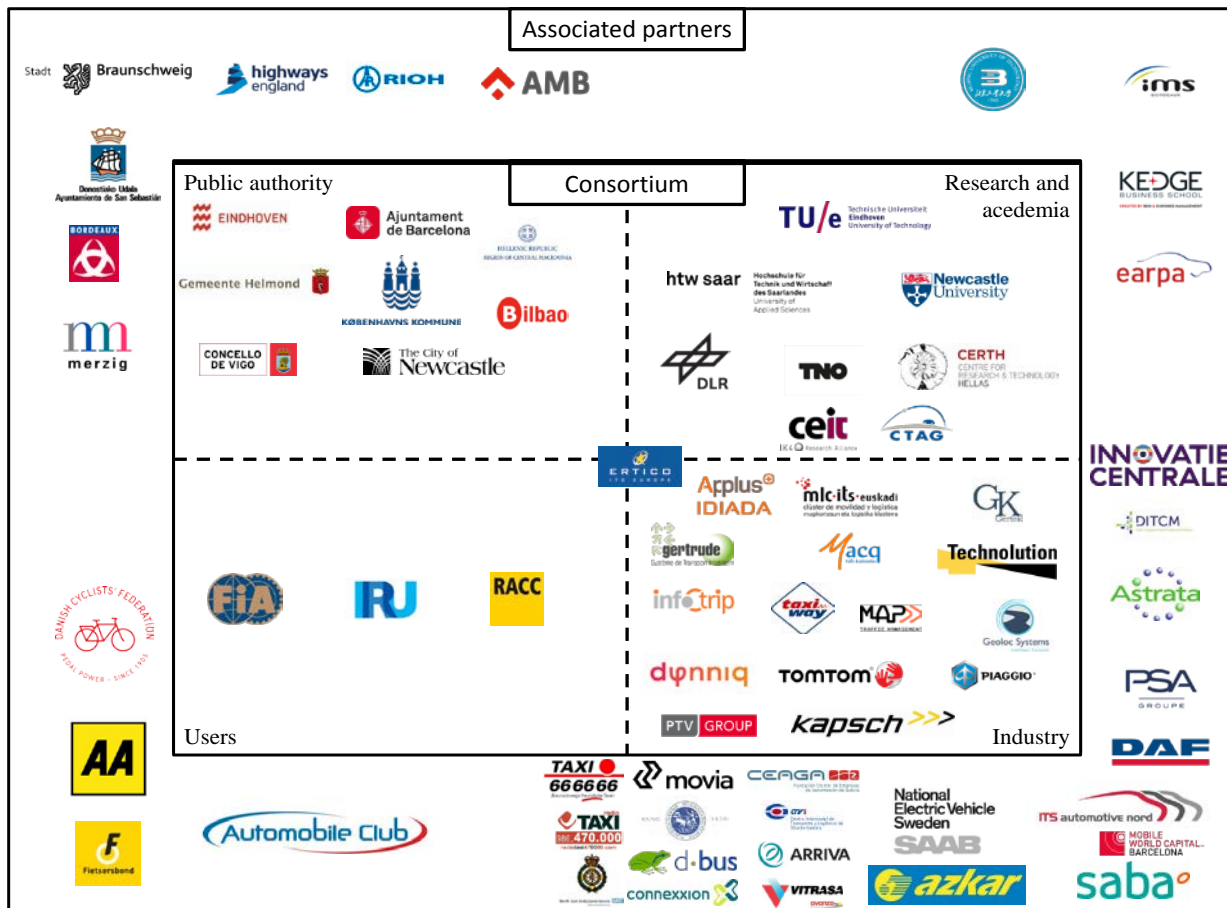


## C-MobILE key results

- ⊕ Provide an open platform towards C-ITS sources to support deployment of service concepts on commodity devices, validated by developer communities
- ⊕ Open secure large-scale C-ITS deployment of applications demonstrated in complex urban environments interoperable across countries involving large groups of end users
- ⊕ Assessment including CBA of the cumulative real-life benefits of clustering C-ITS applications and integrating multiple transport modes in the C-ITS ecosystem
- ⊕ Validated operational procedures for large-scale deployment of sustainable C-ITS services in Europe
- ⊕ C-ITS framework for proposing key deployment enabling solutions on existing pilot sites
- ⊕ Strategic Research Agenda that promote sustainable C-ITS deployments and will lead towards automated transport in Europe

## C-ITS services to be demonstrated in each C-Mobile pilot site

| Technology / Innovation Element                            | Current TRL | Target TRL | Barcelona | Bilbao | Bordeaux | Copenhagen | Newcastle | North Brabant | Thessaloniki | Vigo |
|------------------------------------------------------------|-------------|------------|-----------|--------|----------|------------|-----------|---------------|--------------|------|
| <b>Bundle 1: urban efficiency</b>                          |             |            |           |        |          |            |           |               |              |      |
| a.Rest time management                                     | 8-9         | 9          |           | x      | x        |            |           | x             |              |      |
| b.Motorway parking availability                            | 8-9         | 9          |           | x      | x        |            |           | x             |              |      |
| c.Urban Parking availability                               | 7           | 9          |           | x      | x        |            |           |               |              |      |
| <b>Bundle 2: infrastructure-to-vehicle safety</b>          |             |            |           |        |          |            |           |               |              |      |
| a.Road works warning                                       | 8           | 9          | x         | x      | x        | x          | x         | x             | x            | x    |
| b.Road hazard warning (incl. traffic jams)                 | 7-8         | 9          | x         | x      | x        | x          | x         | x             | x            | x    |
| c.Emergency Vehicle Warning                                | 7-8         | 8-9        | x         |        | x        |            |           | x             | x            | x    |
| d.Signal Violation Warning                                 | 5           | 7          | x         |        | x        |            |           | x             | x            | x    |
| e.Warning system for pedestrian (not limited to crossings) | 5           | 6-7        | x         |        | x        | x          | x         | x             | x            | x    |
| <b>Bundle 3: traffic efficiency</b>                        |             |            |           |        |          |            |           |               |              |      |
| a.Green priority                                           | 7           | 9          | x         |        | x        | x          | x         | x             | x            | x    |
| b.Green light optimal speed advisory / Dynamic eco-driv    | 6-7         | 8-9        | x         |        | x        | x          | x         | x             | x            | x    |
| c.Cooperative traffic light for pedestrian                 | 5           | 6-7        | x         |        | x        | x          |           | x             | x            |      |
| d.Flexible infrastructure (HOV, peak-hour lanes)           | 5-6         | 7-8        | x         |        | x        |            | x         |               | x            |      |
| e.In-vehicle signage (e.g. Dynamic speed limit)            | 5-6         | 7-8        | x         |        | x        |            | x         |               | x            | x    |
| f.Mode & trip time advice (e.g. by incentives)             | 7           | 8          | x         |        | x        |            |           |               | x            |      |
| g.Probe Vehicle Data                                       | 6           | 8          | x         |        | x        |            | x         |               | x            | x    |
| <b>Bundle 4: vehicle-to-vehicle safety</b>                 |             |            |           |        |          |            |           |               |              |      |
| a.Emergency Brake Light                                    | 7-8         | 8-9        |           |        | x        |            |           |               |              | x    |
| b. Cooperative (Adaptive) cruise control (Urban ACC)       | 5-6         | 7-8        |           |        | x        |            |           | x             |              | x    |
| c.Slow or Stationary Vehicle Warning                       | 7-8         | 8-9        |           |        | x        |            |           |               |              | x    |
| d.Motorcycle approaching indication (including other VRUs) | 6-7         | 7-9        |           |        | x        |            |           | x             |              | x    |
| e.Blind spot detection / warning (VRUs)                    | 5           | 6-7        |           | x      | x        |            | x         | x             |              |      |



EC and US DOT twinning to exchange knowledge and exploit synergies for mutual benefit

EC selected C-MobILE as an strategic project for twinning with US

⊕ Phase I

- Architecture
- Technical specifications
- Standards

⊕ Phase II

- Lessons learnt

EC-US kick-off on the 16<sup>th</sup> of May 2017 @ Washington DC

## ⊕ General timing

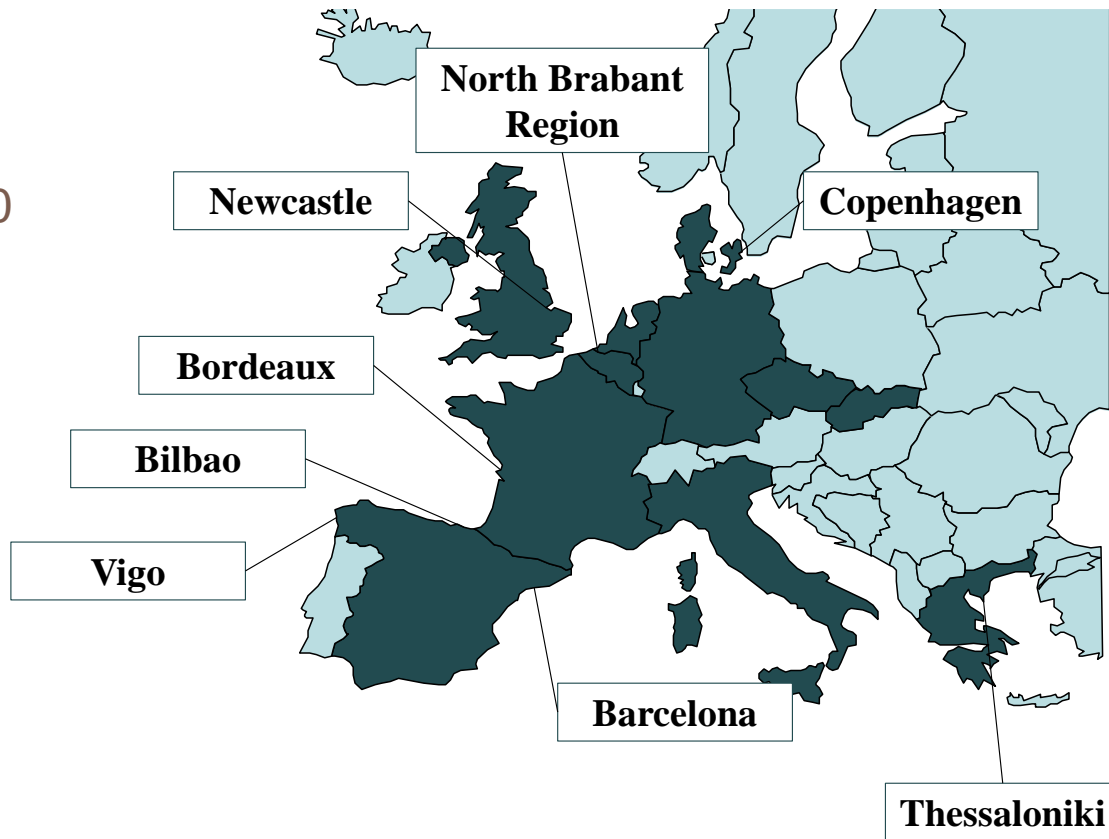
- May 2017 – October 2020

## ⊕ Allocated total budget

- 15,020,003.00 €

## ⊕ Total funding

- 12,575,171.50 €



## Private Event - Kick-off Meeting

9-10<sup>th</sup> of May @ Barcelona (Fira de Barcelona)

## Public Event

11<sup>th</sup> of May @ Connecte HUB (Fira de Barcelona)



Thank you very much for your kind attention



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