

# ITS at the Edge...

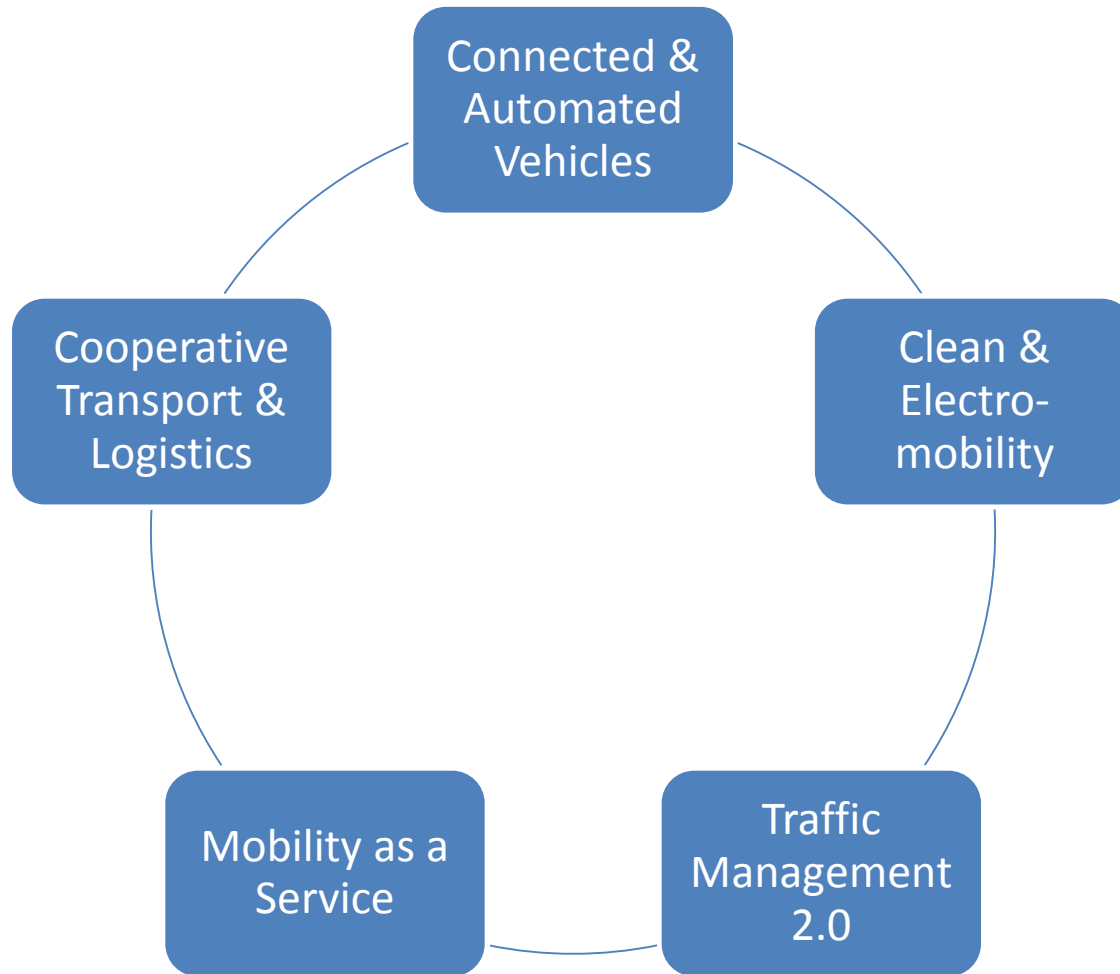
## Highlights from the EU

Paul Kompfner  
ERTICO - ITS Europe

EuroMed TSP Workshop  
5 July 2017, Brussels



# ITS innovation hot-spots



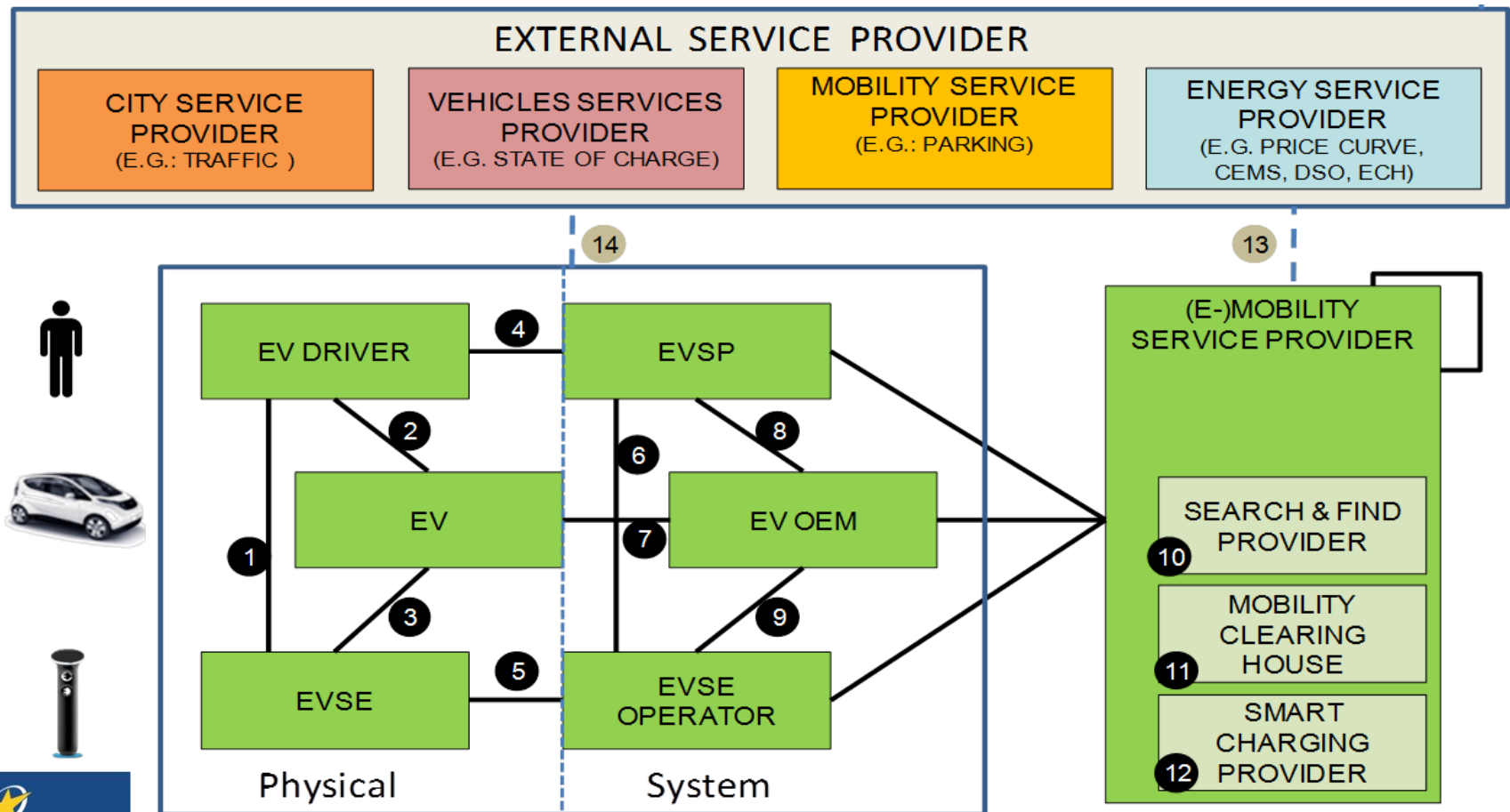
# Automated driving + IoT



# Issues for deployment

- What does the customer want?
- What is the acceptable risk of accidents?
- Mixed traffic & transition to full penetration?
- What needs for regulation/legislation?
- Social impacts, i.e. job losses?

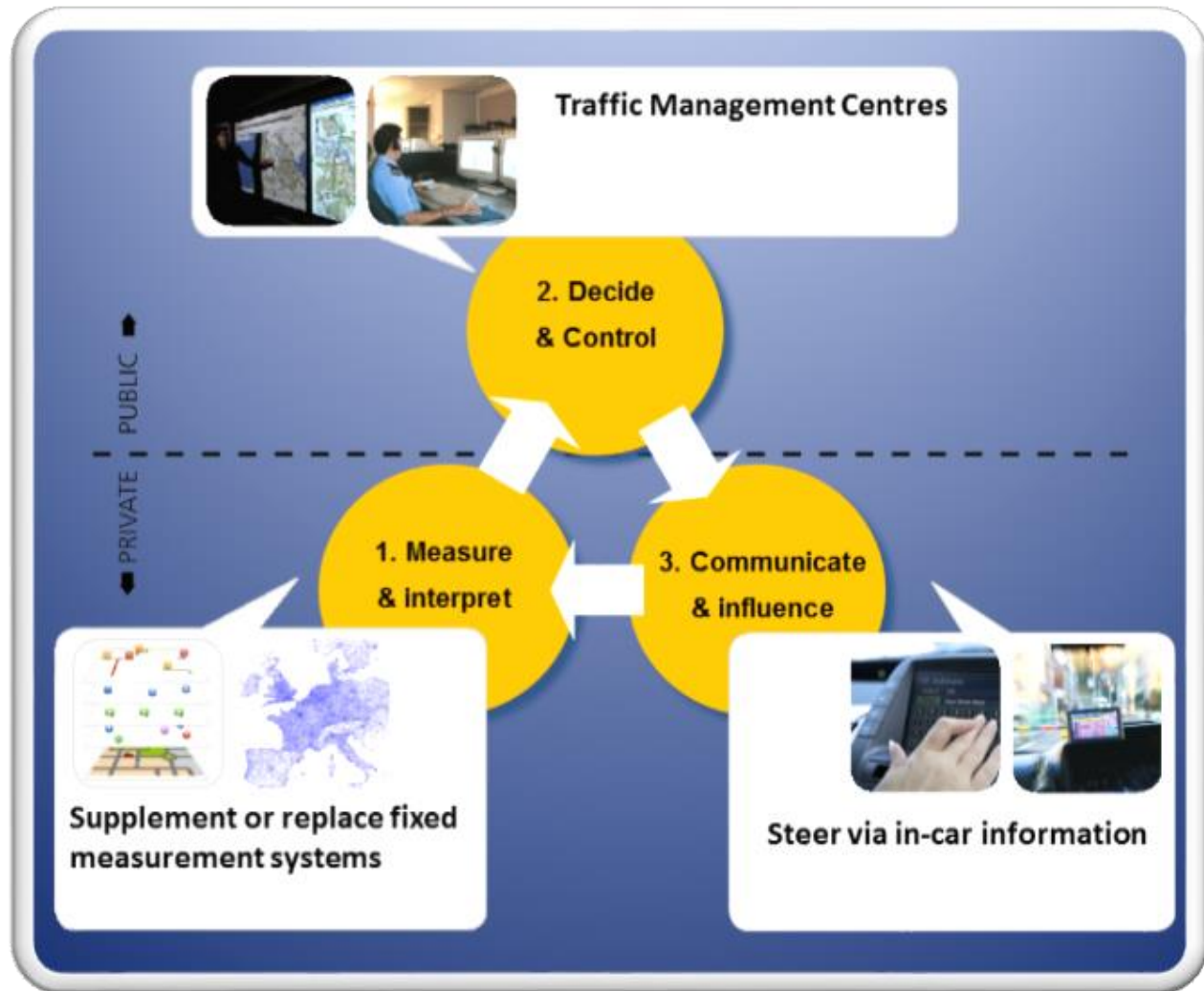
# eMI3 – standards for EU-wide charging



# Issues for deployment

- High cost of e-vehicles for individuals
- Limited range
- Need for extensive charging infrastructure
- Need for public incentives, subsidies
- Opportunities for business initiative

# Traffic Management 2.0

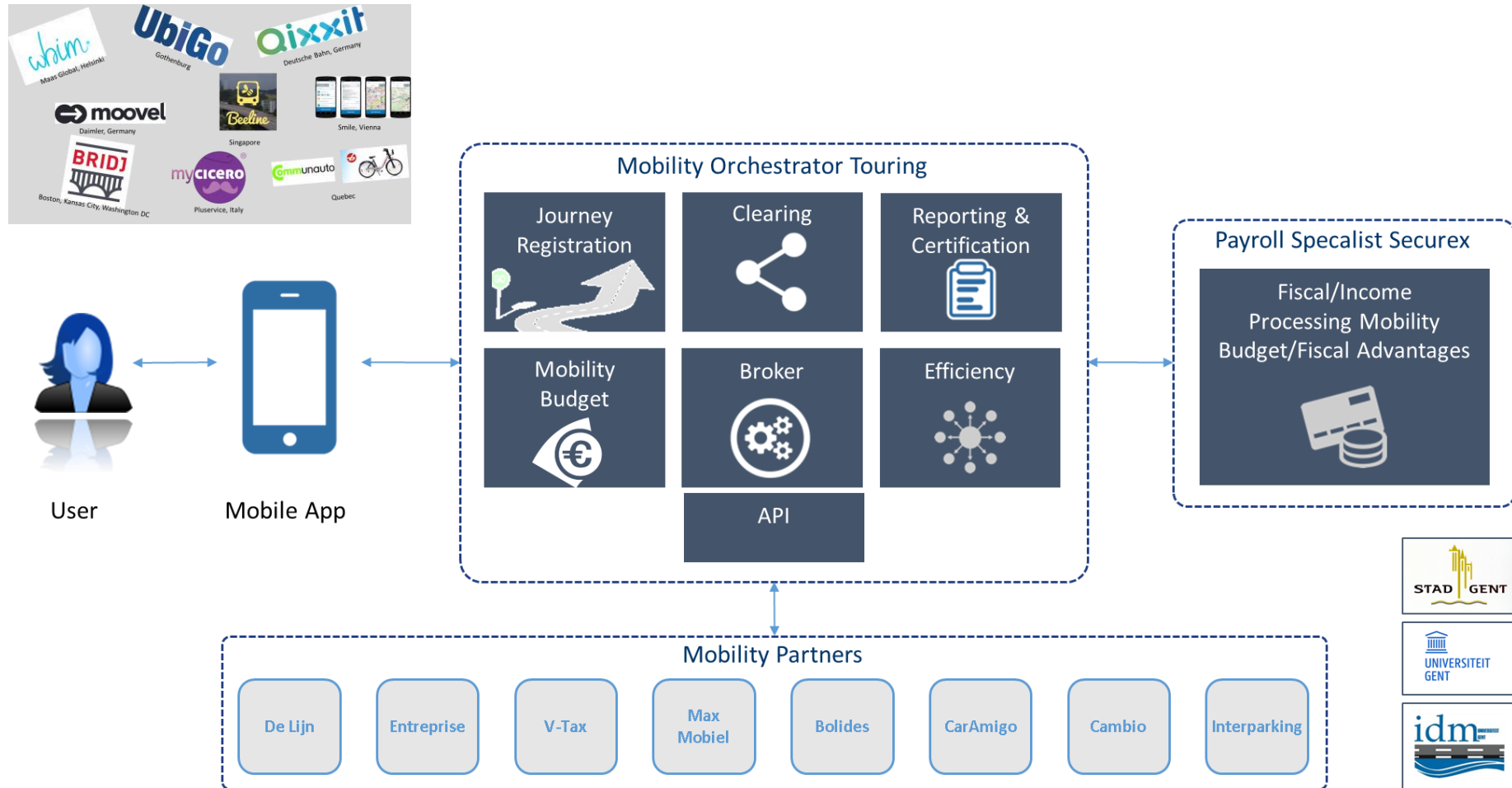


# Issues for deployment

- Chicken-egg dilemma: equipment of vehicles and roadside infrastructure needed for C-ITS
- New cars equipped from 2019
- Will cities pay for their infrastructure?
- How far could C-ITS be deployed on smart devices?
- Opportunities to be part of the widest ecosystem for integrated mobility



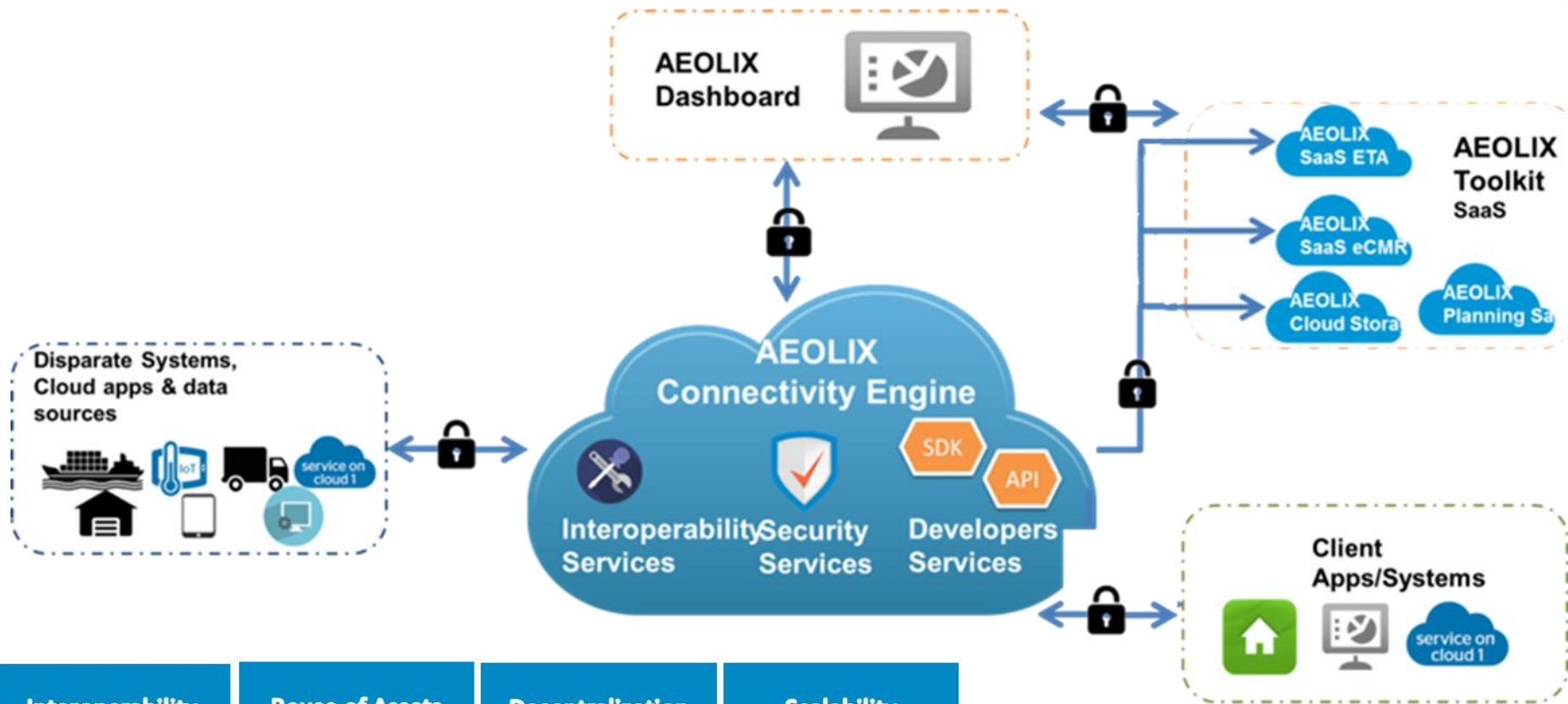
# Mobility as a Service (MaaS)



# Issues for deployment

- Is MaaS for the well-off, or for all? For cities or for rural areas too?
- Who is really the customer? Individuals or also businesses, authorities?
- Is this a commercial business, a public service, or both?
- How can the transport operators achieve added value by joining a scheme?

# European cooperative logistics platform



Interoperability

Reuse of Assets

Decentralization

Scalability

Real-Time /  
Responsiveness

Service Toolkit

Simplicity

Security

# Issues for deployment

- This is a very fragmented domain, see the difficulty to achieve fully interoperable EETS
- Will businesses accept to share data?
- Can any single entity be accepted as “honest broker” on behalf of all actors?
- Is this just a private business, or is there a role for the state?

# Conclusions

- We are already at the edge
- It is possible to take part in the next wave, already today
- Much is still to be learned from experience
- The edge will continue to advance
- We don't know just how disruptive it will be...

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