



**CIVITAS FORUM  
CONFERENCE 2017**  
**Update on the Action Cluster on Sustainable  
Urban Mobility of the EIP-SCC**

*28 September 2017*



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The EIP-SCC is an initiative supported by the **European Commission**.

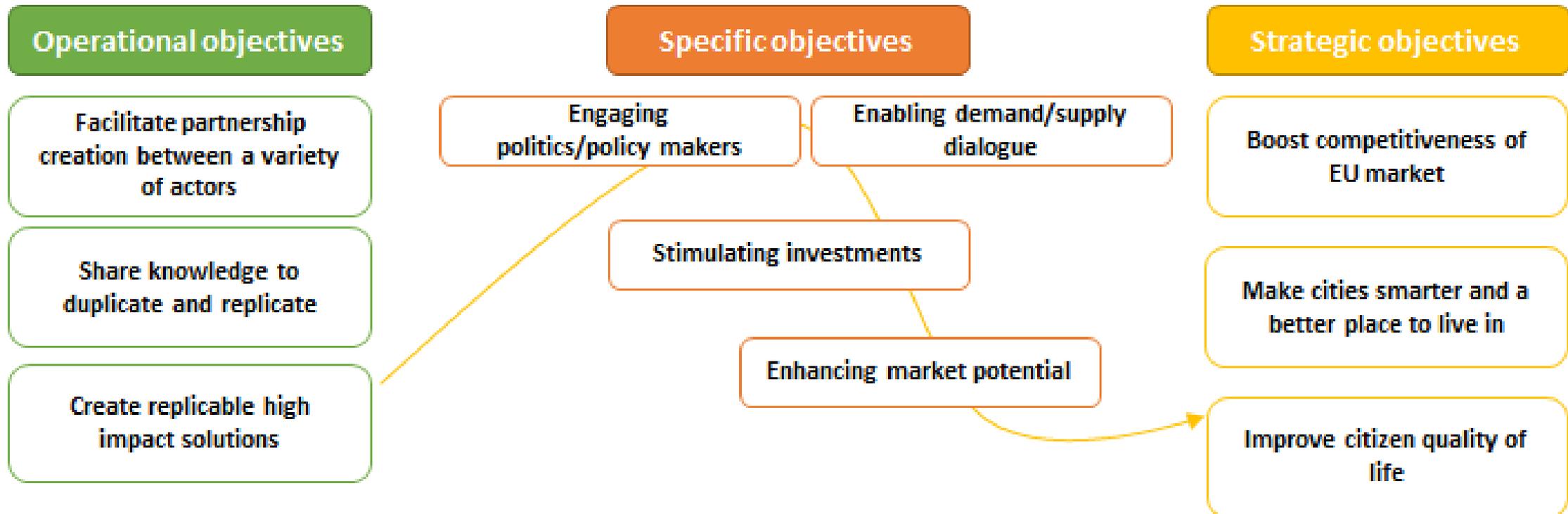
Aiming at overcoming market fragmentation, the EIP-SCC brings together **cities, industry, financiers, citizens** to improve urban life through more sustainable integrated solutions.

Its Market Place has already **5.300 members from 31 countries**.



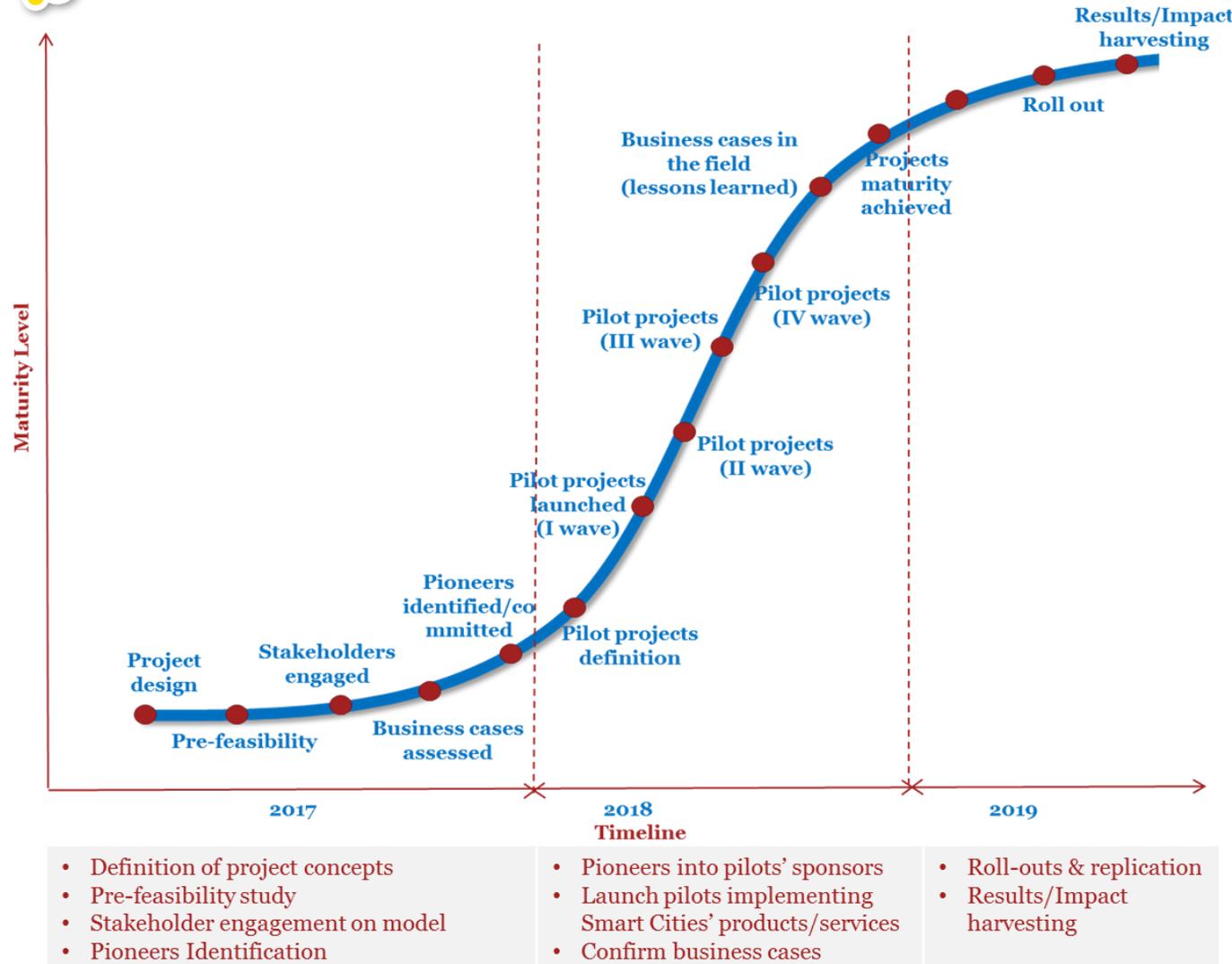


## EIP SCC M'place Strategic framework





# EIP-SCC Marketplace - 2017-2019 projects uptake



Within the 2017-2019 term, **the EIP SCC Market Place shall position itself as the place where either physically or virtually demand of innovative solutions from cities' actors' and supply from investors, technology providers and financiers meet each other.**

Success will be measured against **two main KPIs:**

- **€1b investment committed** in innovative solutions for smart cities and communities;
- **300 cities engaged** across the EU.



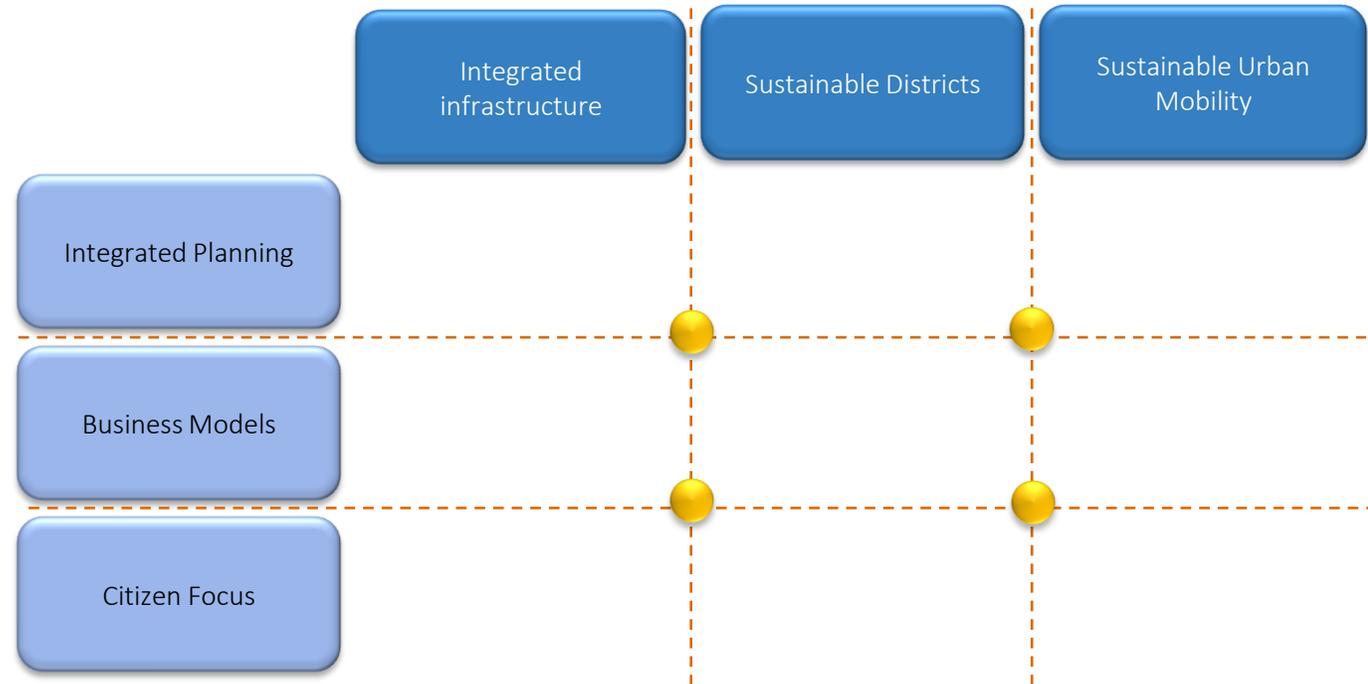
# EIP-SCC Marketplace - Operational approach

## Vertical clusters

- Sectoral focus
- Involvement of cities, industry, academia into one place to create innovative (and feasible) models

## Horizontal clusters

- Cross-sectoral focus (policy, funding/financing, etc.)
- Best practices dissemination
- Inclusion of social dimensions into projects



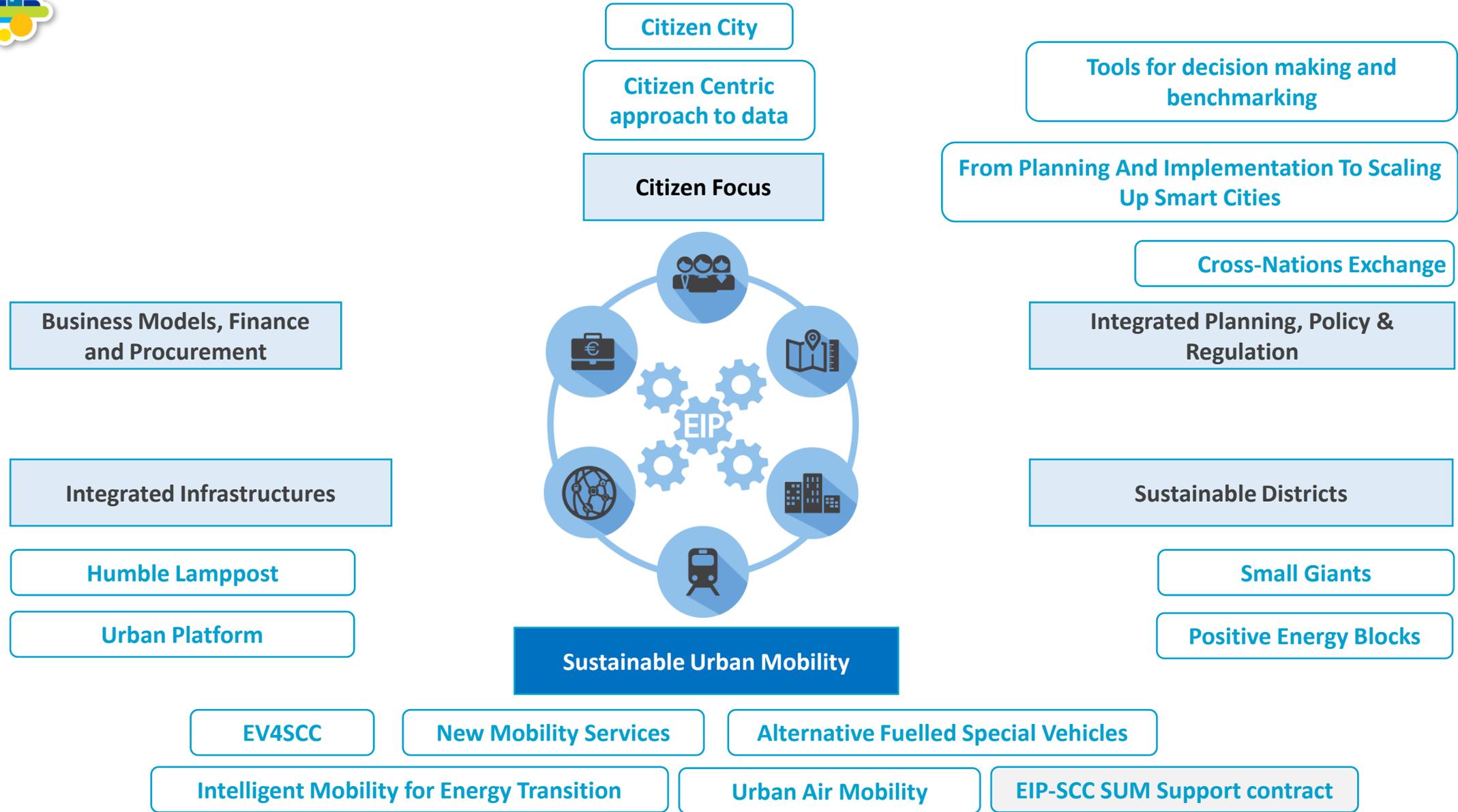
*Synergistic Interactions*



Break down silos  
Focus on common challenges



# EIP-SCC Marketplace – Action Clusters









## Phase I 2017-2018

- **Creating an environment** that allows for a mutual **understanding of the new mobility service market actors:** authorities, MaaS providers or integrators and the mobility service providers, like car sharing and bicycle services. As well as the end user needs. The output will be a **quick scan market analysis**.
- Explore the **behavioural side** to the new mobility services to a degree that helps to inform the market actors.
- Dissemination of the **story and mission** of the NMS initiative to recruit potential partners via our networks, existing projects, conferences, etc.

## Phase II 2018 - 2019

- **Create partnership**, build the community and trust between participants in the process of developing an agenda for collective impact. Decide what exactly will be **deployed** in the process of learning by doing.

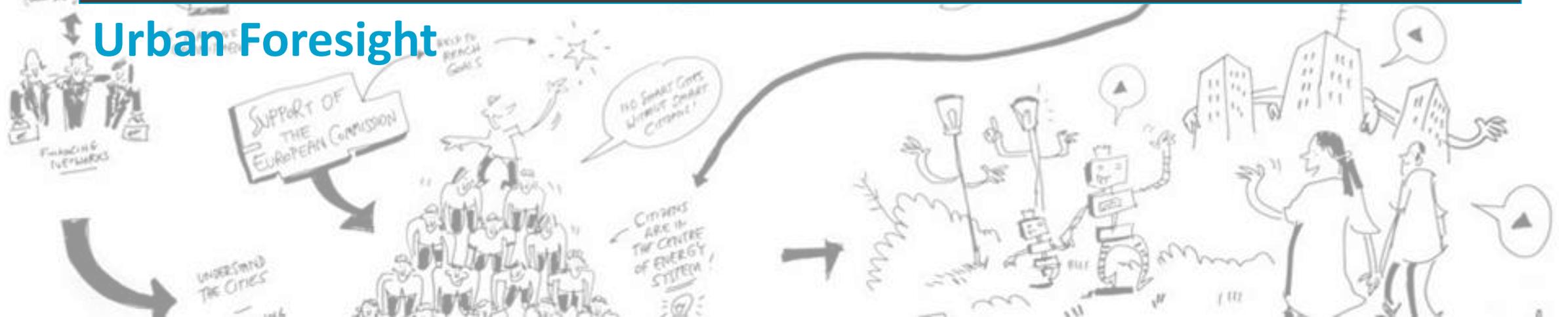




# Electric Vehicles for Smart Cities and Communities

David BEETON

Urban Foresight





EV4SCC main goal is to create the biggest **collaborative innovation platform about electri-vehicles**, dedicated to bringing together and promoting innovative ideas and actions from across Europe.

The purpose of the platform is to create a **dynamic electric vehicle marketplace** to facilitate open innovation, information sharing and collaborative problem solving.



**e-freight:** sharing knowledge on e-freight, identifying e-freight solutions and find ways to replicate them in interested cities



**e-bus:** with the general goal of supporting cities replacing their ICE buses with electric buses



**e-fleet:** supporting the deployment of e-vehicles for fleet, public and private fleet and in particular for car sharing, finding new types of business modelling, funding and financing tools.

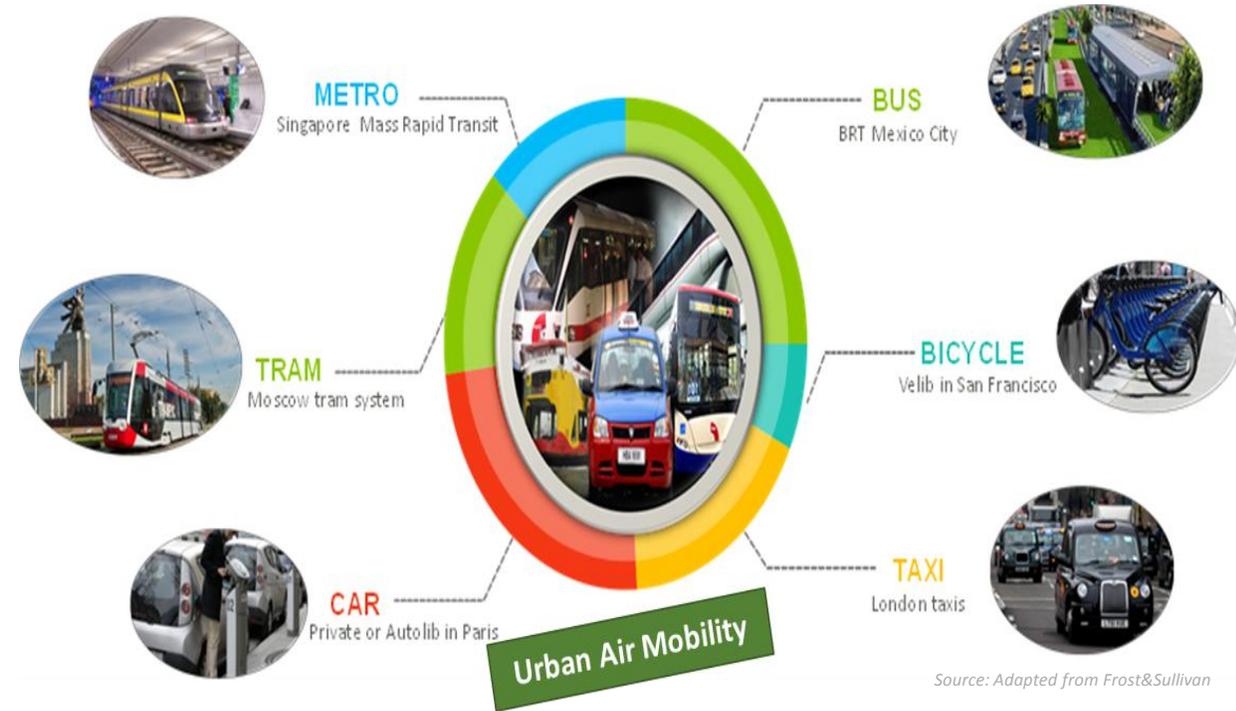


**e-Planning and smart charging:** supporting public authorities to plan e-mobility and integrate it in their SUMP, and integrating smart charging (Vehicle to City concept) as well.





- The UAM Initiative offers a **forum for diverse stakeholders** in urban/urban air mobility at intra-city and inter-city level.
- The **expectation** from this multi-stakeholder approach is the bringing together of the relevant communities to **jointly work on accelerating UAM market uptake**, increasing public acceptance, and sharing innovative ideas also through:
  - **FIRST**: the development of strong **interfaces** between, at least, the **drone** and **urban planning communities**.
  - **SECOND**: match cities across Europe with stakeholders interested in **launching practical demonstration studies** and initiatives in **candidate cities**



**SMART MOBILITY in SMART CITIES:  
WALK. RIDE. DRIVE. FLY.**  
*'How do you want to commute today?'*

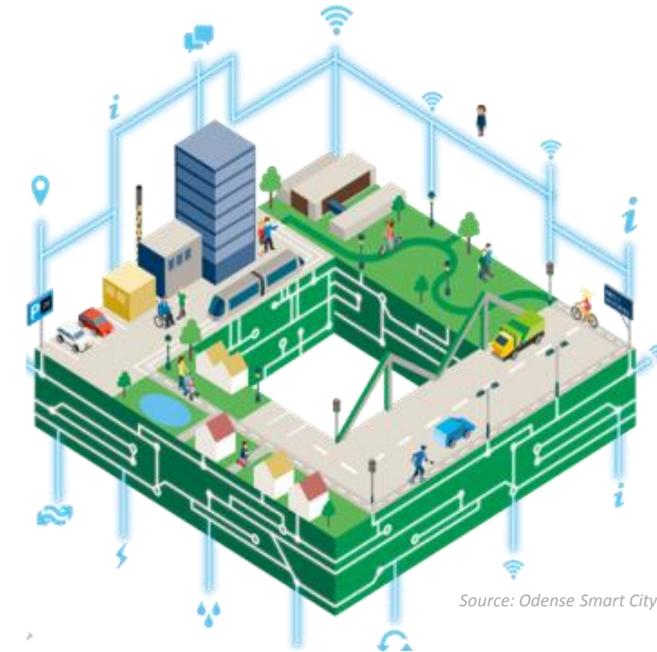


## Activity Pillars

- The UAM Initiative will steer its activities on smart mobility initiatives interfacing, or enabling UAM by addressing topics around the following **four** (initially, and not limited to) **parallel thematic pillars**:
  - 1. UAM interfaces with public transport** (*incl. existing and future setups*)
  - 2. Mobility as a Service** (*e.g. mobility platforms, seamless mobility, cybersecurity, insurance, legal, transport operations*)
  - 3. Ground infrastructure for UAM** (*e.g. real estate stakes and initiatives to support UAM such as dedicated UAM landing pads and integration to multimodal networks hubs, advanced communications-IoT*)
  - 4. ATM/UTM concepts for UAM and its integration in view of single sky operations**

## Activity Steps

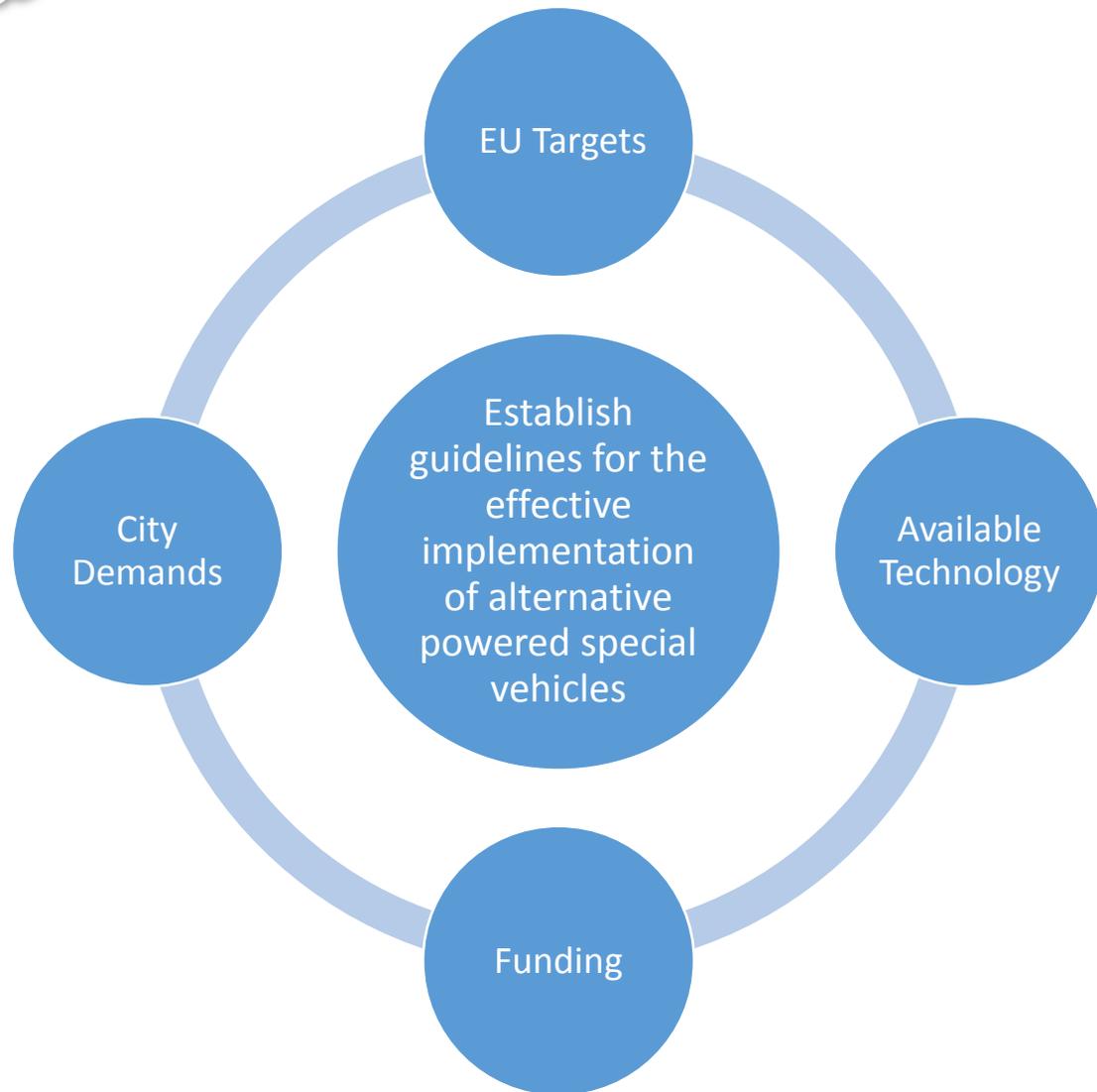
- **First step:** *Set-up of community*
- **Second step:** *Joint elaboration of proposals with candidate cities*
- **Third step:** *Deployment and market uptake*



Source: Odense Smart City

*It is envisaged that all the above three steps will involve and mobilise the relevant European innovation stakeholders including the pertinent start-ups and SMEs ecosystems.*





- **Recommend an effective infrastructure** to support the implementation of the **alternative fuel strategy** selected.
- **Establish funding opportunities** and present cost effective financial solutions for the **acquisition** of assets and services.
- Ensuring the **legislative norms** are considered and taken account of in the selected solution to ensure the compliant operation of the solution finally chosen.





## NEXT STEPS

- 11 October in Brussels: invitation only, SUM AC meeting
- 12 October in Brussels: meet all Initiatives at the General Assembly of the European Innovation Partnership in Smart Cities and Communities
  - You can still register [here](#)
- October – May 2018: Get involved in Webinars and initiative meetings:
  - You can find dates and further information [here](#)
- Next General Assembly planned in May-June 2018

## WHAT YOU CAN DO

- Follow the Market Place of the European Innovation Partnership on Smart Cities and Communities on [Twitter](#), [LinkedIn](#) and [Vimeo](#) or [online](#).
- Get in contact with the initiative leaders according to the topic(s) you are interested into!
- Register to the General Assembly/SUM AC meeting



Action	Contact person	Organisation	Email
<b>New Mobility Services</b>	Edwin Mermans	Province of Noord-Brabant	<a href="mailto:emermans@brabant.nl">emermans@brabant.nl</a>
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For any question related to the Sustainable Urban Mobility Action Cluster, please contact us at

[sustainablemobility@eu-smartcities.eu](mailto:sustainablemobility@eu-smartcities.eu)



**THANK YOU!**

<https://eu-smartcities.eu>

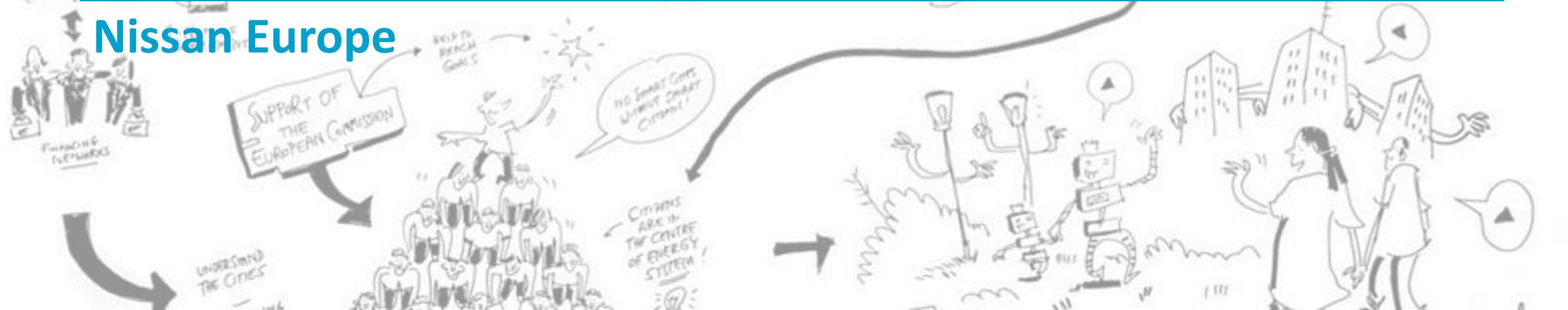
**Contact:** [sustainablemobility@eu.smartcities.eu](mailto:sustainablemobility@eu.smartcities.eu)

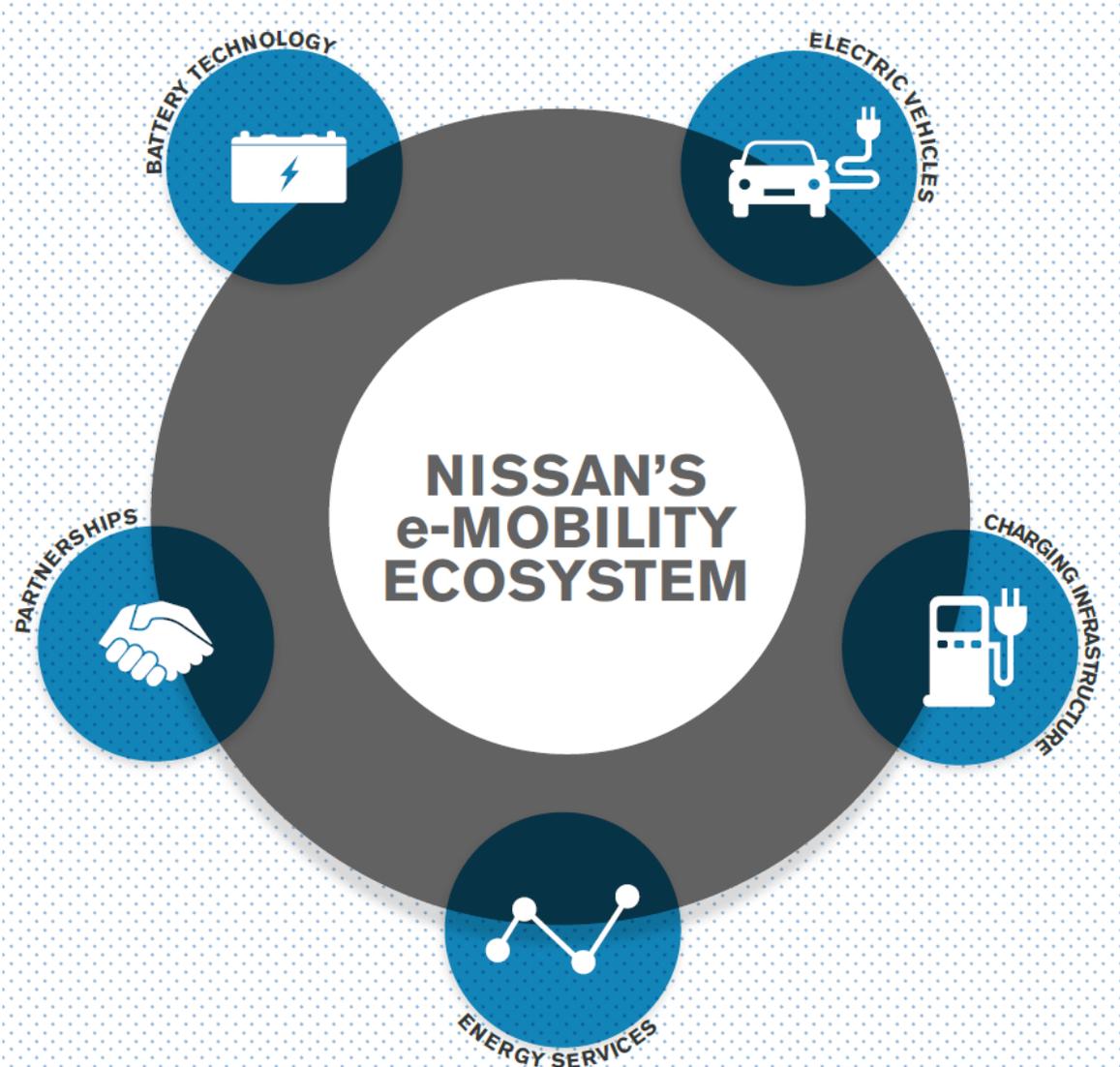


# Intelligent Mobility for Energy Transition

Anna DOMENECH

Nissan Europe

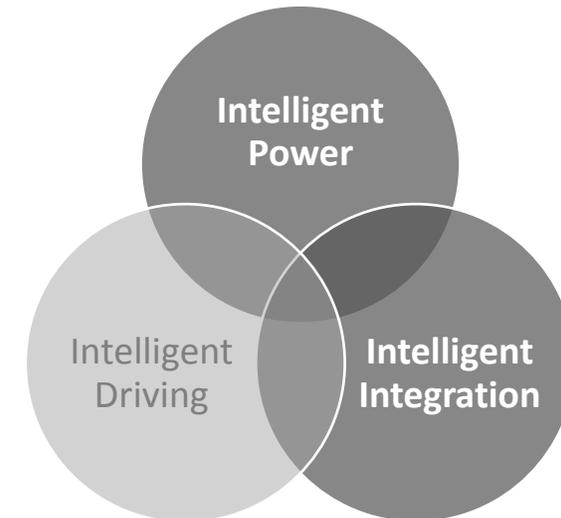




Exploring and demonstrating how mobility can generate, store and mobilise electricity on a mass scale.

**'Intelligent Mobility'** will change the world **making sustainable mobile electricity accessible to all.**

Developing a series of collaborative **pilots** to integrate and test solutions in the urban ecosystem.



Pillars of IM



**PHASE I (2017 – 2019) – “Going beyond zero emissions”** - Focus on intelligent power and intelligent integration

Deploying pilots in cities and islands, including:

- New ownership and business models
- Innovative storage systems using second life of batteries as xStorage
- New mobility and energy services (eg. V2G, energy management, integration of PV)

**PHASE II (2019-2020) – “From zero emissions to zero fatalities”** - Adding intelligent driving.

[CLICK HERE](#) to watch a descriptive video on the future we are building.





In order to satisfy the overall strategic goals, the EIP SCC Marketplace shall in general:

1. play the role of a network of networks, establishing connections with all the other EU initiatives fostering investments in a Smart City environment (e.g. Covenant of Mayors, Horizon 2020, Smart Cities and Communities Lighthouse Projects - SCC01);
2. involve actors purposefully, ensuring that all the actors (Municipalities, representing the demand side, Technology providers, utilities, industrial players, supply side, Regulators, contributing to removing barriers hampering investments, Financiers, financially contributing to developing projects) are involved;
3. engage in credible projects, by applying a maturity model approach, in order to check the gap between conception and delivery. This is an approach which sees a shift in focus to those initiatives which have the business cases supporting real city projects;
4. test business cases, by a reality check where all the technical, financial and regulatory conditions are demonstrated;
5. engage “Pioneers”, as actors who commit themselves to bring business cases forward and implement them in their domain, under a given schedule; 6. facilitate project results’ dissemination (multiplier effect).



- The EIP-SCC Action Cluster Sustainable Urban Mobility brings together cities and regions with companies to showcase innovative **mobility solutions** and support their replication at scale in key market segments.
- It aims to become the **leading platform** for understanding (and documenting) city needs, bringing stakeholders together, building the tools that support an innovation pipeline, and directly supporting individual networks and projects that are *en-route* to realisation.