This Partnership intends to
• Improve citizens’ quality of life
• Increase competitiveness of Europe’s industry and innovative SMEs
• Make our cities more competitive and better places to live in
• Share knowledge to prevent mistakes being repeated
• Reach our energy and climate targets
• Support you in finding the right partners and solutions

It’s about achieving social, environmental and economic sustainability for our cities.

Be part of it!
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CITIES
KEY FOR EUROPE
Today 78% of European citizens live in cities, and 85% of the EU’s GDP is generated in cities. Many European cities are forerunners in the much-needed transition towards a low carbon, resource efficient and competitive economy.

Cities are central to delivering on key challenges for Europe’s society and economy: jobs, growth and investment, innovation, energy-efficiency, low-carbon development and CO₂-reduction - to name a few.

“...The real opportunity for cities, industry and other stakeholders is to tackle challenges together, to develop common solutions, and use technology to transform our cities and improve citizens’ lives."

Antoni Vives i Tomàs - former Deputy Mayor Barcelona
WHY SMART CITIES AND COMMUNITIES?
CHALLENGES:
Markets are often fragmented, missing out on their full economic potential. Many innovative solutions require new business models and financing solutions for decreasing risk. Since demand for better infrastructures and services is high and still increasing but public budget is under pressure, knowledge needs to be shared effectively and capacities developed.

OPPORTUNITIES:
Linking and upgrading infrastructures, technologies and services in key urban sectors (transport, buildings, energy, ICT) in a smart way will improve quality of life, competitiveness and sustainability of our cities.

This is a strong growth market, estimated globally to be worth €1.3 trillion in 2020 - a great export market for European business.

“The key to quickly accelerate Smart City solutions is to stimulate the market. We do this through smart standardisation, open platforms that facilitate development and interoperability, and flexibility in our approach.”

Peter Molengraaf, CEO Alliander
TOGETHER WE overcome market fragmentation and achieve scale in building a market for smart city innovations.

We foster partnering of public and private actors to co-create a pipeline of projects and share their risks. In line with our 2016 Implementation Roadmap we strive for 100 cities to collaborate on bundling demand, 100 industries to cooperate and develop solutions.

“Smart cities need to be accessible and sustainable. Together with intelligent use of energy and ICT, smart urban mobility is at the heart of efforts and public transport a key integrator.”

Alain Flausch, Secretary General UITP

JOIN US AND WORK WITH US TO MAKE OUR CITIES BETTER PLACES TO LIVE IN!
THE ACTION CLUSTERS
Our Action Clusters organise a market place of 5000 partners from 31 countries.

Our Action Clusters meet regularly. These meetings provide opportunities to network and collaborate with leading smart city actors and develop new perspectives and insights.

6 Action Clusters focus on specific issues related to smart cities:

- Sustainable Districts and Built Environment
- Sustainable Urban Mobility
- Integrated Infrastructures & Processes
- Business Models, Finance and Procurement
- Citizen Focus
- Integrated Planning, Policy & Regulations

IT’S ALL ABOUT SCALE, ACCELERATION, IMPACT, COMMON SOLUTIONS, INTEGRATED APPROACHES AND COLLABORATION.
‘Reducing energy demand will lead to regeneration of urban areas’

This Action Cluster supports the Positive Energy Blocks (PEB) Initiative. A PEB is a group of at least three connected neighbouring buildings which annually produces more energy than it consumes in terms of lighting, heating, cooling and ventilation. The Initiative aims at supporting the launch of 100 of these highly innovative PEB throughout Europe by 2020. Positive energy is reached by building information modelling (BIM) for retrofitting, construction and management; using advanced materials, and local production and storage of renewables. PEB is a flexible concept contributing to urban regeneration by establishing social and functional mixes between commercial, office and residential spaces, to take advantage of their complementary energy consumption curves.

Small Giants is a network of proactive small and medium-sized European cities with fewer than 150,000 inhabitants. This Initiative aims to enable economies of scale, harnessing the collective procurement and project-building power of these cities and facilitating collective access to solution providers in order to roll-out and scale-up innovative and existing smart city solutions. Additionally, the Action Cluster looks into circular economy, waste management, water and urban greening as these are essential issues to develop sustainable cities.
We are focusing on electromobility infrastructures and solutions in the field of new mobility services. The EV4SCC initiative brings together cities and regions with companies to create a dynamic European Marketplace for smart electromobility and a collaborative innovation platform. At the end of 2016, the collaborative platform comprised 74 partners from 19 countries including 19 cities and regions. Our ecosystem of public and private stakeholders will facilitate open innovation, information sharing and collaborative problem solving.

There are currently 4 working groups that were formed during the EIP-SCC 2016 General Assembly: e-freight, e-fleet, e-bus, e-Planning and smart charging.

EVs can make cities smarter and more sustainable and bring new opportunities for mobility services and infrastructures.

New mobility services exist but they are fragmented because of a lack of interoperability. To overcome these challenges the initiative committed on two levels:

· The creation of test beds in the context of regional innovation clusters, providing local governance, data handling and business models

· The promotion of near-to-standardised new mobility service models, data handling protocols and contractual models for data sharing

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What’s the value of public infrastructure in your city?

Our existing infrastructure needs optimisation and new infrastructures have to be conceived for multiple purposes.

50 cities and 50 industry partners will collaborate to establish interoperable Urban Platforms with the aim of creating a market that will serve 300 million EU citizens by 2025 through an easy-to-implement template approach and the cross-sector collaboration.

To do this, three interdependent initiatives have been developed: the demand side that will develop a city-needs led set of common requirements, templates and tools; the supply side to develop an open reference architecture and the standardisation landscape with fast track guidance and standards.

Humble Lamppost: The aim is to have between 30-50 cities and partners to collaborate and bundle demand to install up to 10 million intelligent lampposts, networked with LED lighting and other features such as Wi-Fi, e-charging, sensors, etc. By joining forces, they would get a better understanding of value cases of the various features, future-proof their investments and most importantly create a market which would reduce the cost.
Existing business models, finance & funding instruments and procurement schemes do not always fit today’s challenges within our cities:

The **Business Model Action Cluster** is a platform where local authorities, financial institutions, businesses, SMEs and other relevant actors work together in order to establish a dialogue between public and private sectors and identify and remove the obstacles for the implementation and development of a smart cities market.

The AC wants to be a focal point for the gathering and sharing of information on business models from European smart city projects including present and future lighthouse projects. It wants to improve the access of cities to financial instruments by making available knowledge about innovative business and procurement models and financing and funding opportunities and engage the financial community.

We enable knowledge sharing by:

- Providing up to date knowledge on funding and financing possibilities through an interactive **funding guide**;
- Enhancing the collaboration between smart cities lighthouse projects and other relevant projects working on smart cities **finance solutions**;
- Encouraging the dialogue between cities, businesses and financial actors;
- Providing examples of successful **local innovation ecosystems**;
- Gathering **business models case studies**.

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Citizens at the heart of Smart City solutions!

Smart cities solutions must be developed for citizens and with citizens. The engagement of cities to include citizens from the outset will be implemented by a Manifesto for citizen engagement to be drafted and endorsed by cities and regions. In practical terms, we will develop the appropriate tools to ensure that citizens are involved.

Citizen City: Engaging citizens and stakeholders in smart city co-creation processes with inclusive communication platforms is required to ensure citizen impact is delivered by smart cities. Effective knowledge sharing is critical for replicating solutions at a wider scale. Smart cities are not just about technology but need to integrate smart citizens’ participation and cooperation as an integral part of the design process.

Privacy by design: A citizen-centric approach to data must be implemented to protect citizen rights for privacy. The aim of this group is to institutionalize concepts of privacy in organisations involved in the Smart City value chain and integrate these concepts in the design of systems. All this will be possible through data protection guidelines with a focus on a citizen-centric view point.

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Together we work for the implementation of smart city policies and regulations by co-creating a Smart City Guidance Package, including KPIs and stressing citizen support, with the involvement of 50 cities.

Tools for Decision Making, Management and Benchmarking sets the decision maker in focus and looks at the needs required when planning, implementing and managing a smart and sustainable programme for a city.

Cross Nations Exchange: Six nations have shared strategies, governance, funds, programmes, and networks; and have jointly developed a blueprint which should help to enhance smart cities market development. Engagement of other nations is planned.

From Planning & Implementation to Scaling up of Smart Cities is an initiative which, through a dialogue with a wide array of city stakeholders, categorises common pathways and obstacles, defines references, provides structured support and guidelines, with the twofold aim of developing evidence-based strategies which support Smart City planners in implementing Smart City solutions, and of enhancing the impact of Smart City actions on the ground through upscaling.
NEXT STEPS
Fragmented Smart Cities market

Gap analysis

Strategic Implementation Plan

370 commitments/4000 partners

Scaling up successful commitments

Growing the community

Reaching our social, environmental and economic goals by creating smart city ecosystems for replicable high impact solutions
GET INVOLVED! JOIN US!

HTTP://EC.EUROPA.EU/EIP/SMARTCITIES
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