

MANIFESTO

of DREAM collective of Smart Cities

DREAM Smart Cities collective Manifesto is a public statement of intentions, goals, ideas and strategies in urban planning, ranging from the development of new technology-driven cities to innovation in historical urban centres, focusing on citizen-oriented solutions and collecting and analysing big data, encouraging and fostering start-up economies.

DREAM Smart City is a proposal for the Smart Cities and Communities Call (H2020-LC-SC3-2018-2019-2020), under the topic “Low-Carbon” of the H2020 programme to be submitted by a collective of cities. That topic integrates innovative solutions for urban positive energy districts which will be developed, tested and performance-monitored in partner cities as part of a Smart Cities project.

Responding to global challenges, DREAM collective aims at accelerating transition towards a low carbon and resource efficient economy and society, promoting openness to innovation, deploying sustainable advanced solutions in partner cities, valuing their cultural and historical heritage.

All DREAM collective participating cities are European Capitals of Culture or European Cities of Science, looking to be again frontrunners on the global arena of urban sustainability exemplarity.

DREAM collective focuses its efforts on building a Smart City for All concept, empowering cities, business and citizens for working together towards integration of highly innovative solutions delivering high impacts and benefits to the urban and global challenges.

We, part of DREAM collective, and signatories of this manifesto, express our **commitment**:

- **To accomplish** the bold Vision for 2050 shared by the DREAM Cities of a widely decarbonized energy system, economy and cities, aligning with innovative and resilient responses to upcoming common urban challenges, increasing the urban value of intervened spaces and the quality of life of the citizens;
- **To fully support** open innovation approach to which private partners, namely industry, start-ups and innovative SMEs are invited to join, participate and contribute, under a view of using DREAM work-programme generated opportunities to form a virtual Smart City valley of innovation, creativity and urban sustainability.

DREAM

DEMONSTRATION | REINVENTION | ENGAGEMENT | ADHESION | MOBILIZATION



- **To follow** the validated Sustainable Energy Action Plan and to accomplish its commitments by integrating Smart City and Smart grid solutions;
- **To develop** DREAM proposed activities under the view of providing fellow European cities with the widest possible opportunities for immediate application of demonstrated solutions so making replicability the central element of DREAM collective legacy;
- **To comply** with the European Commissions' general model grant agreement applicable to H2020-Innovation Actions, commit to DREAM code of conduct for innovation procurement and adhere the open data and open access paradigms for open science which actions and results proposed to be developed and deliver under DREAM work-programme will comply with;
- **To continuously improve** local governance, recognizing collaborative methods of strategic design, engaging citizens in decision-making and adopting smart urban innovation strategies, building synergies and giving special attention to market-creating innovation in relevant areas;
- **To cooperate** with all the administration levels, managing authorities and private sector, neighbour communities and fellow European cities with the central objective of deploying, as integral part of the proposed demonstration, sound business models focused on the Smart City solutions widest possible replicability.
- **To accept** opening DREAM collective to all cities that may adhere as observers or followers with aim of accelerating replication of smart city solutions, namely towards full decarbonization of the energy system;
- **To promote** an effective communication, dissemination and exploitation of programme results among all the community;
- **To recognize** the celebration of Bauhaus movement centenary as an opportunity to translate its inspiring values into citizen centric future visions for design, architecture and urbanism for Happy Cities, in a context of cities open to culture, science, creativity and more efficient urban metabolism, as proposed by the DREAM collective of cities;

The Mayors and the city government with its partners in cooperation with all relevant stakeholders, notably the funding management authorities, will mobilize all resources and provisions to complement and scale up the proposed implementation and demonstration of smart measures, under a vision of full decarbonization of targeted urban districts.

ANNEX TO THE MANIFESTO

Scope of DREAM common Urban Challenges

Energy: Increase of energy efficiency and decrease of final energy consumption per capita.

Mobility: Strengthening of CO₂-free modes and increasing the share of public transport.

Light: Render the public lighting system more efficient.

Waste: Smart and circular management and economic revaluation of urban waste.

Data (ICT): Open access to the large amount of data generated and collected by cities.

Housing: Energy efficiency measures and promotion of renewable energy in buildings, facilities and public services, moving towards zero-energy buildings.

Society: Social support and fully integration of citizens.

Water: Sustainable and resilient water supply and value-chain long added value.

Knowledge: Fully exploiting the positive impacts and externalities of education, training and community

Climate: Modulation of urban micro climate to make urban districts more comfortable and environmental friendly.

Work: New-economy oriented urban entrepreneurship, business, creativity, work and production models.

Space (public realm): Advanced and enhanced management, care, control, security and safety of public realm allow citizens and urban communities to fully enjoy their common living space.

Health: Strengthening of health-promoting condition of life and health literacy of all population groups and safeguarding of medical care at the highest level.

Culture: Cultural heritage must be fully exploited and formally incorporated in smart city initiatives.

DREAM

DEMONSTRATION | REINVENTION | ENGAGEMENT | ADHESION | MOBILIZATION



By signing and endorsing this DREAM Smart Cities Manifesto, each participating city declares that **will promote and enforce the commitments outlined above.**

march, 21 of 2018,

CITIES

Domingos Sáez

Mayor of Guimarães

Mayor of Vilnius

Mayor of Trieste

Mayor of Thessaloniki

Mayor of Timisoara

Mayor of Kharkiv

Mayor of Koper



Scope of DREAM shared urban policies

Ubiquitous photovoltaic: Cities can become the developing centers to promote the application of solar energy on a large and sustainable scale.

Clean air: Annual CO₂ emissions will have to be tackled, mostly by limiting/eliminating the smoke release.

Densified storage: DREAM Cities strive for growing energy independence, so innovative technologies, particularly in the electrical sector with the increasing importance of energy storage and batteries, are set to revolutionize how energy is distributed.

Resilient supply: Demand-oriented and efficient supply structures and processes.

Empowered consumer: Cities as spaces of democracy, finding in the urban space the capability of integration, expression, participation and decision.

Clustered environments: Integrated approach for providing urban infrastructure and services.

Post-car urban realms: Car free mobility brings liberation of urban spaces in cities, which means a safer, healthy, and breathable city.

Illuminated spaces: Public safety can vastly benefit from illuminated spaces, as it offers humans assurance.

Value-centric solutions: To increase urban value of Partner Cities.

Accessible innovation: Innovation, and the way it is shared, needs to move towards a paradigm of open innovation.

Big data modelling: Smart city opens up data with a wealth of information that brings innovation and connects government, industry and citizens.

Smart City for All: DREAM Smart Cities are cities planned for all.