



Horizon2020 Information Days on Public-Private Partnerships

Brokerage event
14 October 2016

MARCOS ANTÓNIO NOGUEIRA

IrRADIARE, Science for Evolution

Urban innovation management, energy sustainability, ICT development and management, process optimization, environment protection, cluster and network management are among IrRADIARE's interest areas. Integrated approaches are developed to support urban and regional authorities to explore and generate value from smart-up and start-up paradigms.

Europe wide experience on innovation procurement for regions and cities from entrepreneurial investment attraction, project financing and funding and long term sustainability and development planning supports IrRADIARE value offers to public sector when it comes to adapt and source value from new economic, social, climate and governance global challenges and paradigms

Project Idea

- **Support** municipalities and their communities to transition and benefits - in quality, **efficiency, mobility, attractiveness and competitiveness**

- Translating **Smart Cities** into **Open Cities**

- High performance **data integration system**-bringing together the various intervention areas

What is 1000Smart ?

- Partnership between the **City** and the **Citizens**

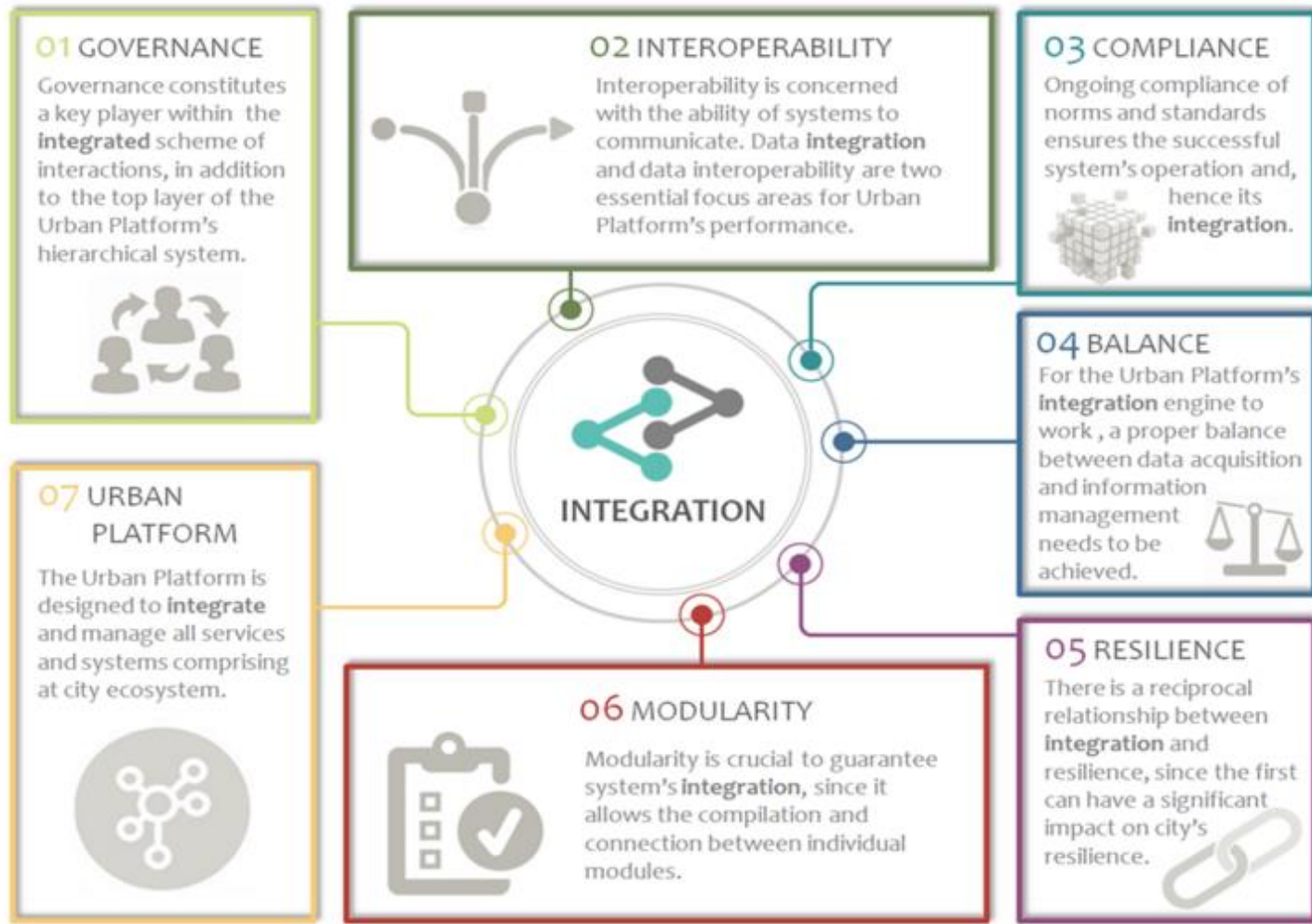
- Networking for **innovation**
procurement of data driven solutions for **interconnected Smart Cities**.

- Tool to rebuild urban spaces and metropolitan areas under an **open** and **sustainable development** paradigm encompassing industry 4.0 transformation with community oriented answers to **global challenges**.

1000Smart Strategy



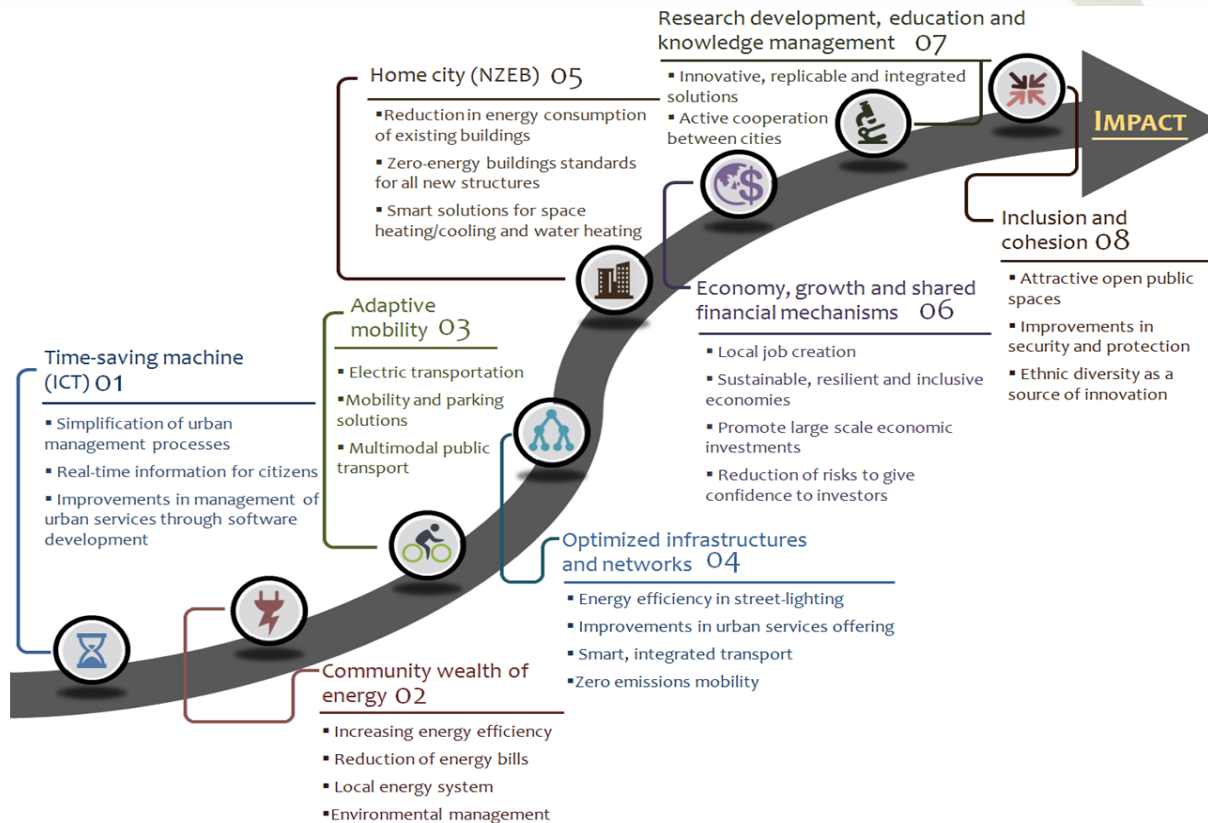
1000Smart Integration



Expected impact

Enhanced impacts due to convergence of urban and territorial management authorities for common management of innovation together with industry, academia and innovators

➔ 1000Smart operating as innovation procurement network



As 1000Smart network is open to all urban and industry commonly relevant topics: climate actions, urban environment, nature in cities, energy efficiency, urban mining and more sustainable management of materials life cycles, industry 4.0, new collaborative economy, innovation chains and value fusion

Partnership between the **City** and **Industry** for efficiency and sustainability

- Cooperation interfaces → *Cities and industry answering together to the global challenges.*
- Infrastructures and network → *Support networks integrated to provide efficiency friendly environment to industry*
- Urban Structures → *Intervention and installation in the buildings combined with industrial competitiveness driven reconversion*
- Eco structures → *City and industry working together to reestablish, protect and sustain natural environment*
- Mobility and Transport → *Sustainable transport and logistics, integrated planning for higher efficiency and better quality of life.*

SPIRE Key components	1000Smart key-action
1. Feed: Increased energy and resource efficiency	R: working with local, metropolitan and regional authorities to develop common innovation process with added value on efficiency for all parties and additional generated value to the community
2. Process: Solutions for more efficient processing	R: end-to-end integration of value and innovation chains
3. Applications: New processes and materials for market applications	R: integrated management of clusters to shift production towards distributed dynamic value-chain integration models
4. Waste2Resource: Avoidance, valorisation and re-use of waste streams within and across sectors,	R: share value and costs on approaching circular economy model and build operational bridges integrating community and industry requests and opportunities
5. Horizontal: Accelerated deployment of the R&D&I opportunities	R: long term foresight dialog between cities, regions, community and industry
6. Outreach: Reach out to industry	R: better procure innovation for cities and territories opening huge new business and employment opportunities

Shared views with:

Cities and territories

- Guimarães, Portugal
- Burgas, Bulgaria
- Koper, Italy
- Trieste, Italy
- Dubrovnik, Croatia
- Tinn, Norway
- Tarnow, Poland
- Rhodes, Greece
- Burgos, Spain
- Paris-Saclay, France

-Smart, innovative and high-technology based efficiency oriented solutions

-Reducing gaps between cities and smart industry and innovations developers;

-Establish long terms challenges, needs and ambitions for cities' future within industry participated innovation platforms;

-Data-Information-Knowledge for industry and urban / territorial management systems

- Open data, Open systems and related innovation driven business models

- Open local and regional markets to innovation on smart sustainable energy solutions.



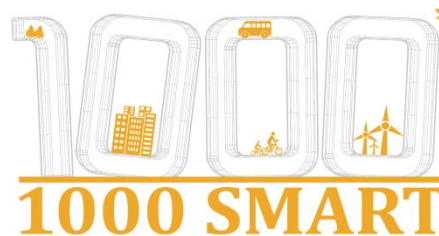
Welcome partners

Welcome:

- European Start-ups
- Universities and science parks;
- Technology and knowledge-based centres;
- Technology innovators;
- Business incubators;
- Clusters managers;

To provide solutions to better integrate cities and regions with sustainable process industry, namely by providing enhanced environment for resource and energy efficiency

To foster quicker response to new industrial, economic, social, climate, cultural, environmental and adhesion to related new paradigms.



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