

# Driving up Regional Cooperation for Renewables in the European Union

Representation of Lower Saxony to the EU, Rue Montoyer  
61, Brussels

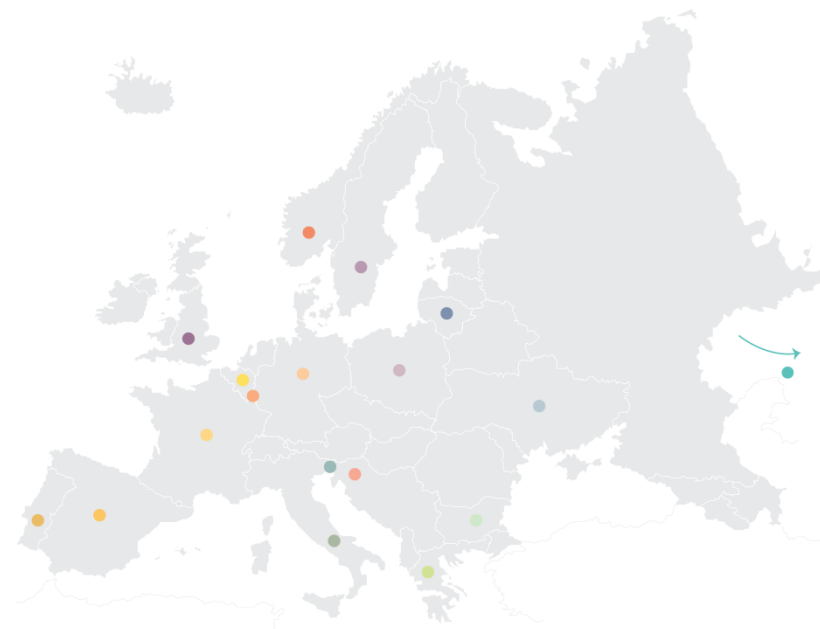
Monday 25 April 2016

**Paula Peiró**



# 1000

## 1000 YEARS, 1000 SMART



### PORTUGAL

- Ubiwhere
- University of Minho
- Schneider
- Guimarães
- Associação Comercial e Industrial de Guimarães
- Simbiente
- CIM Ave
- BicMinho
- ARRIVA
- Transurbanos
- VITRUS Ambiente
- MEO

### LUXEMBOURG

- IntraSoft

### EUROPEAN

- Eunic

### SLOVENIA

- Koper

### SPAIN

- ITENE
- UVAX
- Wellness Smart Cities
- Gaia
- Burgos
- Mediobanca
- Fundación Endesa
- EREN

### CROATIA

- Sdewes
- Dubrovnik

### UK

- H3B Media
- Urban Foresight

### EU/ JAPAN

- EU Japan

### BELGIUM

- AVERE
- POLIS Network
- Finnova
- Ceps
- Urban Foresight

### NORWAY

- Hafslund
- Tinn
- HSN

### ITALY

- Cei
- Trieste

### UKRAINE

- Kharkiv
- Kharkiv University

### FRANCE

- CEA
- Systematic
- Paris (Saclay)

### POLAND

- Comarch
- University of Cracow
- Tarnow

### GREECE

- Rhodes

### LITHUANIA

- Kaunas Science and Technology Park

### GERMANY

- Wuppertal Institute
- Abc
- Fraunhofer Institute
- Bamberg
- SAP
- SIEMENS

### SWEDEN

- Sweco

### BULGARIA

- Burgas



Partner



City Partner (Follower)



Lighthouse



International city



Supporter

## Internal level 05

Fresh vision  
Adaptive planning  
Work concurrently  
Multi-level planning  
Proper planning time  
Project status reporting  
Solid budget management  
Good scope management  
Motivation and involvement  
Small, cross-functional teams  
Technical leadership & excellence  
Regular attention to risks & issues  
Effective and efficient communication  
Resilient and sustainable business model

## Nature of the

### project 06

Competent, motivated and involved people  
Project structure with powerful incentives  
Guarantee for best results & practices  
Growth, sustainability & replicability  
Additional resources mobilization  
Adapting program to local reality  
High quality performance  
Continuous improvements  
Usefulness for population  
Open to contributions  
Clear requirements  
Quality assurance  
Global application  
Permanency

## Idea 04

Visible  
Realistic  
Compatible  
Attractive & useful  
Original & inspiring  
Relative advantage  
High rate of utilization  
Problem-solving approach  
Open to public participation  
Creative design/design thinking  
Creative, innovative & dynamic  
Ability to transform ideas into reality

# Hallmarks of Success 1000SMART

## Topics 01

Scale-up & integration  
Open innovation/ open to innovation  
Well-being & social welfare orientation  
Adapted to new requirements  
Urban life facilitator  
Economic growth oriented  
Public services offering  
Open & interactive  
Strategy for creation of inclusive & sustainable cities  
Exchange of smart solutions  
Citizen participation promotion  
Focused on energy efficiency, economy, sustainability, urban mobility, health & education, technology and innovation

## Companies involved 02

Open mind  
Human approach  
Spirit of innovation  
Continuous improvement  
Time & effort optimization  
Competence & coordination  
Robust communication  
Technology-oriented approach  
Think globally, act locally  
Strategic thinking and linkage  
Organizational flexibility  
High competitiveness  
Creation of synergies  
Individual & team autonomy  
Environment of trust  
Learning ability

## Places 03

Safe & visible  
Transit points  
Effective interaction  
Occurrence of activities  
Interesting and pleasant  
Accessible and utilizable  
Ease of access for everyone  
Entire community integrated  
Well-illuminated and maintained  
Public transport interconnections

# Smart cities into Open cities

## 01 THINKTANK

1000SMART Thing Tank group will provide research concerning key areas and topics.



## 02 MATCHMAKING

Matchmaking will help to optimize the process of corresponding challenges with solutions.



## 03 NETWORKING – CLUSTER ESTABLISHMENT

An effective system for cooperation between collaborative clusters will be created, in order to optimize the search for partners.



## 04 PARTNERSHIP

A solid and consolidated partnership supports the development of the project.



## 05 COMMUNICATION

The establishment of synergies between cities and companies significantly improves cooperation and communication.



## 06 DISSEMINATION

A strong Dissemination Plan will allow knowledge exchange and maximization of impact in each city.



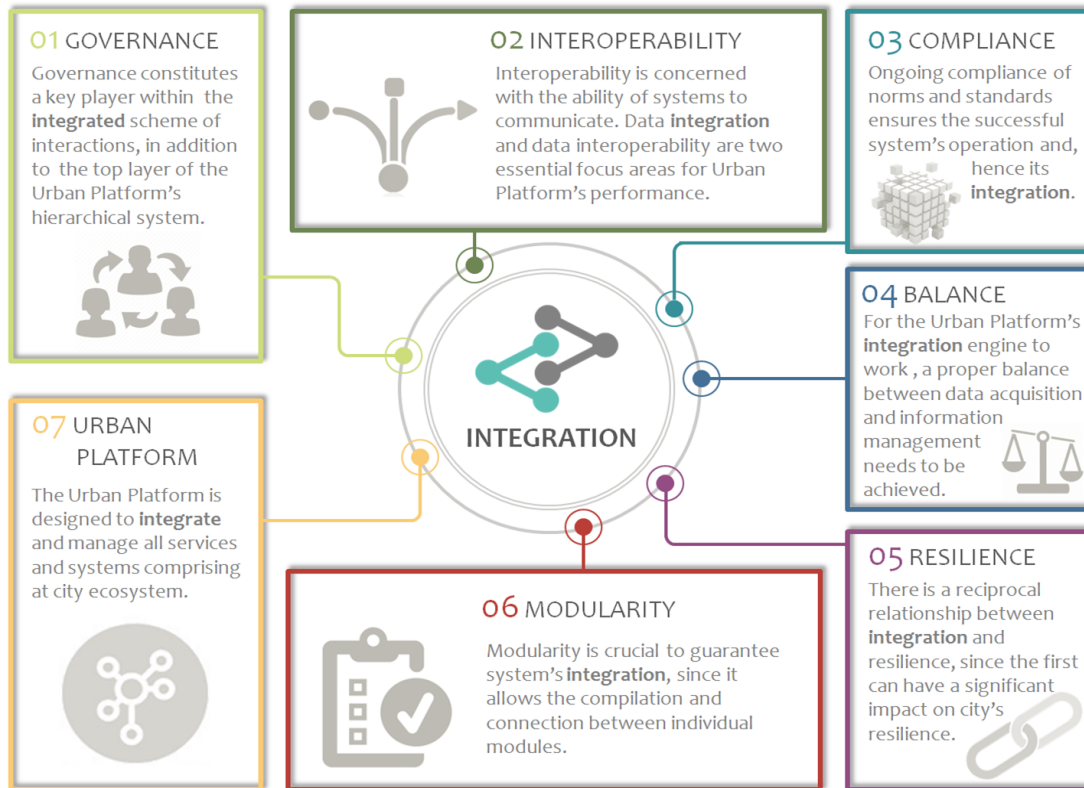
ORIENTATION FOR

COLLABORATIVE WORK

1000Smart is an Open network. Open tool.  
Open solutions to Open real problems  
Procurement network more innovator. Value added and benefit.

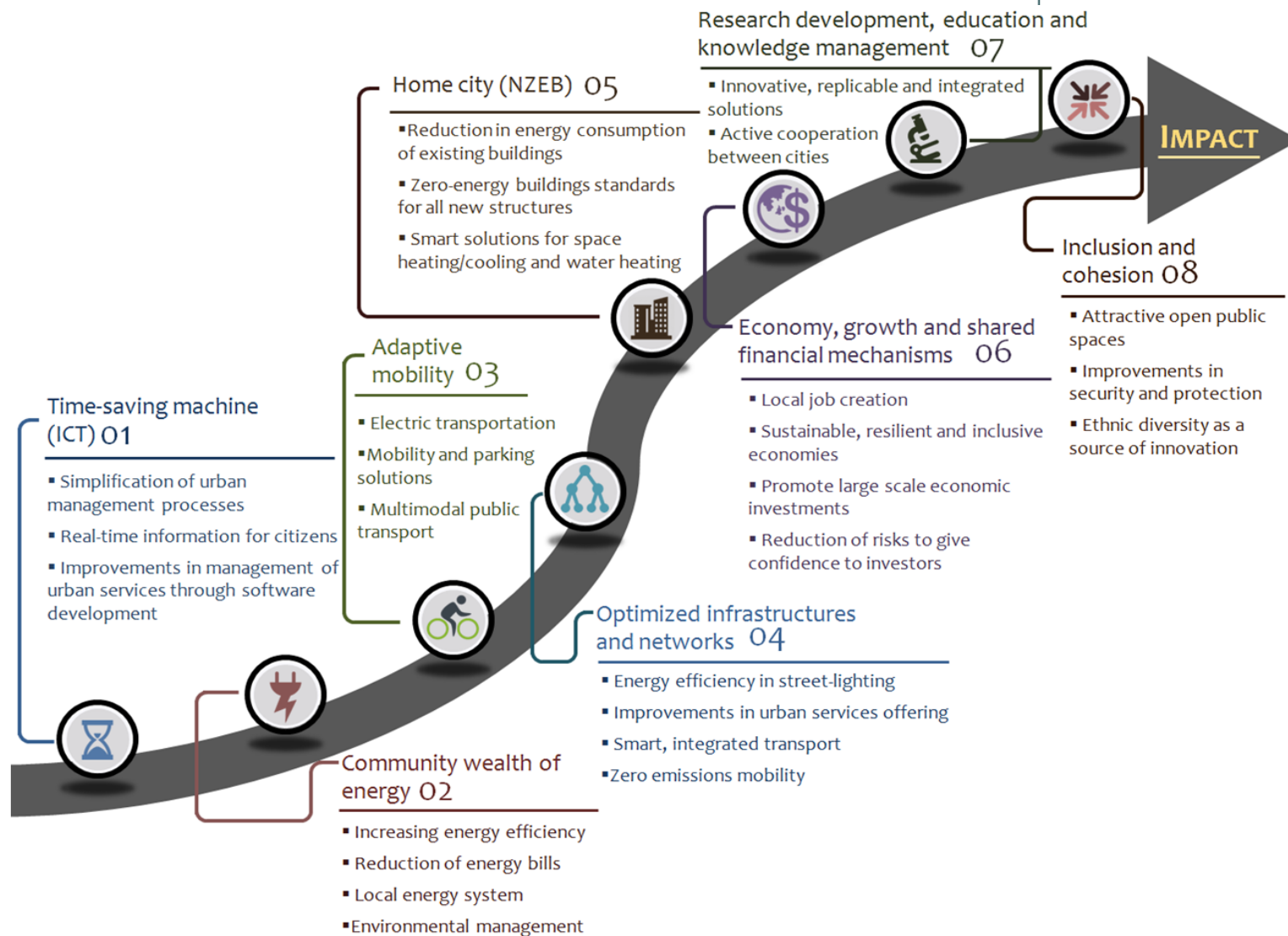
Start up opportunities. More real, practical and real city issues due to the Open data.  
Access and connection to all kinds of entities and issues.

Theoretical studies to practical studies  
Meeting of supply and demand  
Innovation procurement.  
Effect chain innovation



Millions of theoric solutions Information accesible → Opportunities →  
Challenge: innovation procurement → dialogue → Detailed information on what  
is needed and optimal scale (size and number)







1000 Smart network is a tool to manage the diversity of the open cities

Participative system. Tenders management

Different areas to innovative and dynamic solutions

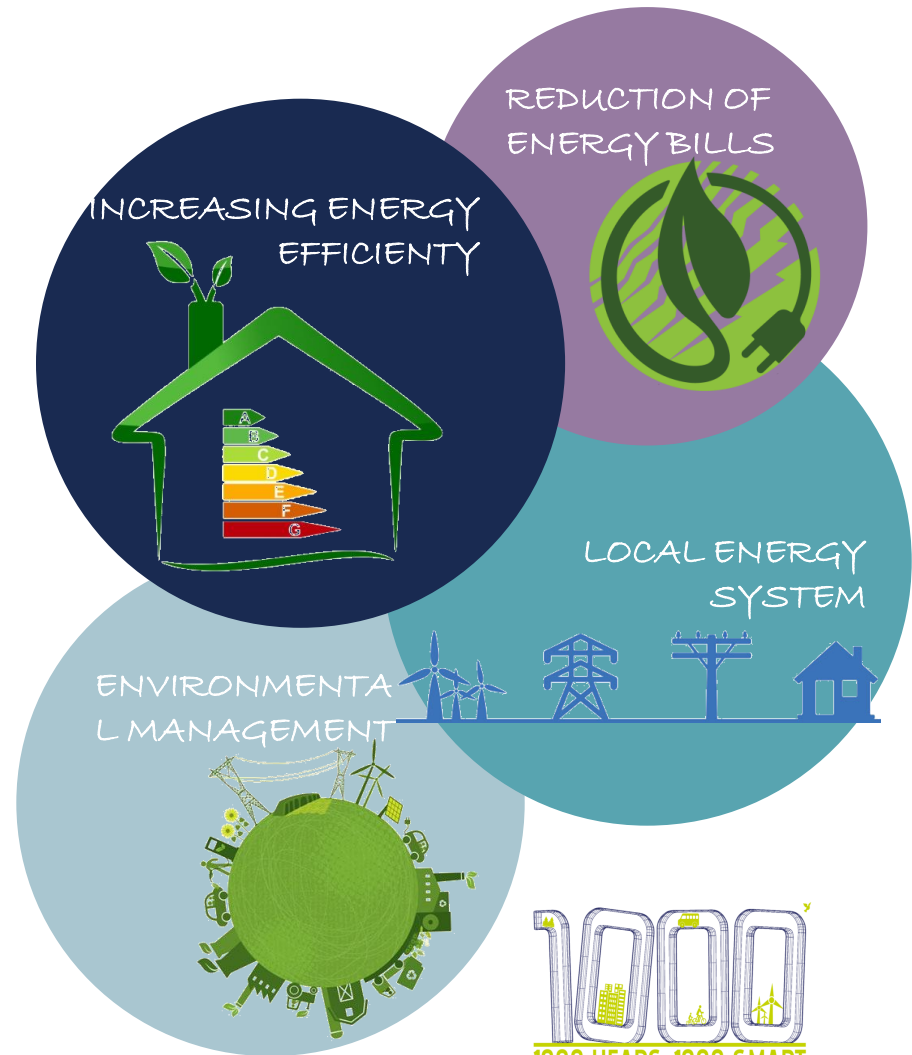
Interconnection of the areas and their changes. Ex transport

Balance combination

## COMMUNITY WEALTH OF ENERGY

### 1000SMART PROJECT

Shared energy consumption system. More local. technological opportunity: storage. If you can accumulate energy, we can use more renewable. Energy supply and demand problem. With storage changes completely. With energy storage can have photovoltaic. Or use accumulation pool surrounding buildings. How to manage this? Energy problem in cities. The technology allows efficient spending. Storage change all. Payback opportunity to the renewables. Beneficial for resilience and sustainability.



1000<sup>y</sup>  
1000 YEARS, 1000 SMART

 **IrRADIARE**  
Science for evolution®



## TIME-SAVING MACHINE (ICT)

### 1000SMART PROJECT



Simplification of urban management processes



Immediate and real-time information for citizens



Improve the management of urban services through software development



## HOME CITY (NZEB)

### 1000SMART PROJECT



**Reduction in energy consumption of existing buildings**

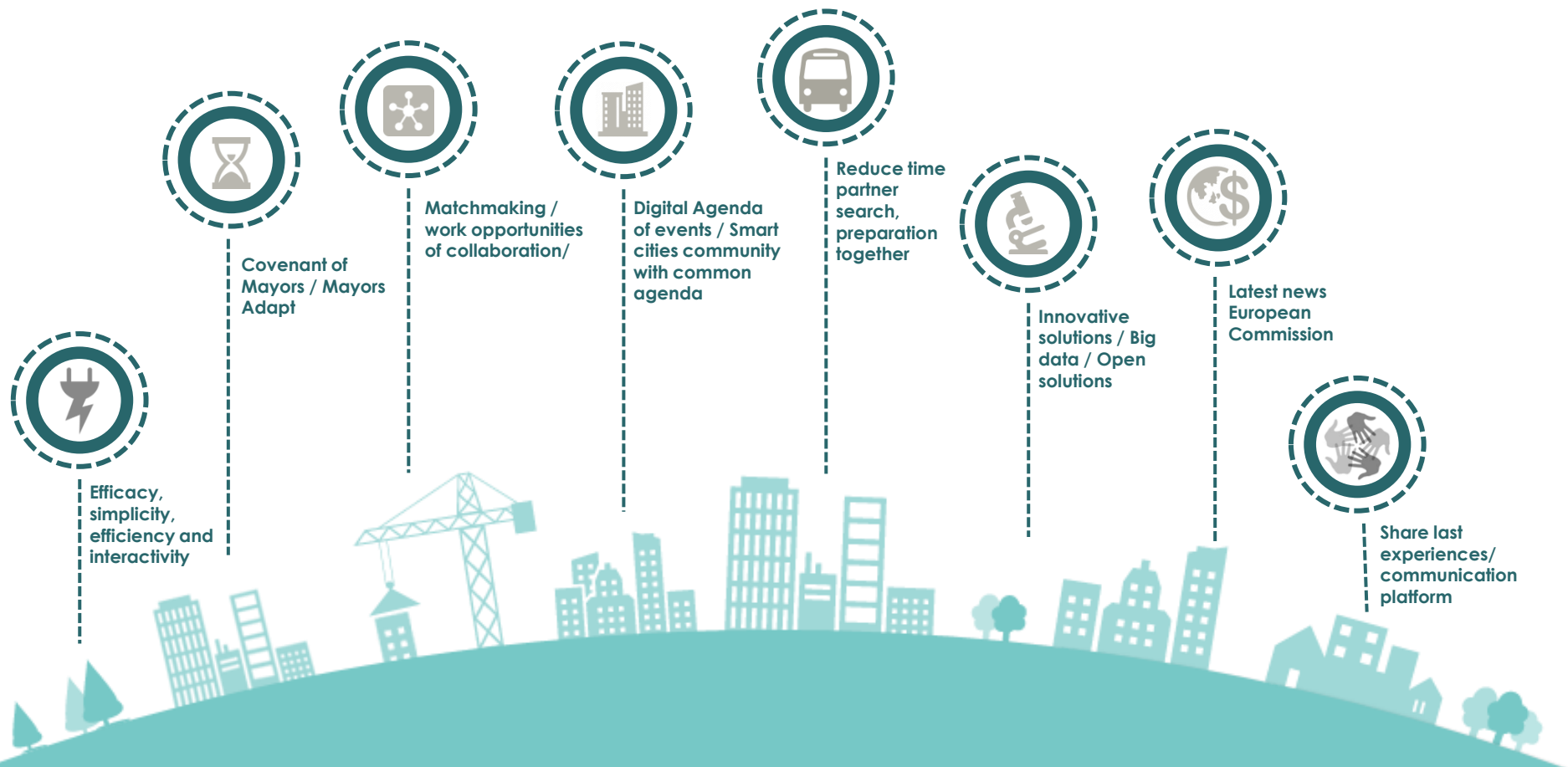


**Zero-energy buildings standards for all new structures**



**Smart solutions for space heating/cooling and water heating**

# 1000Smart Network benefits



# Smart city framework strategy

