




Ministry of National Development



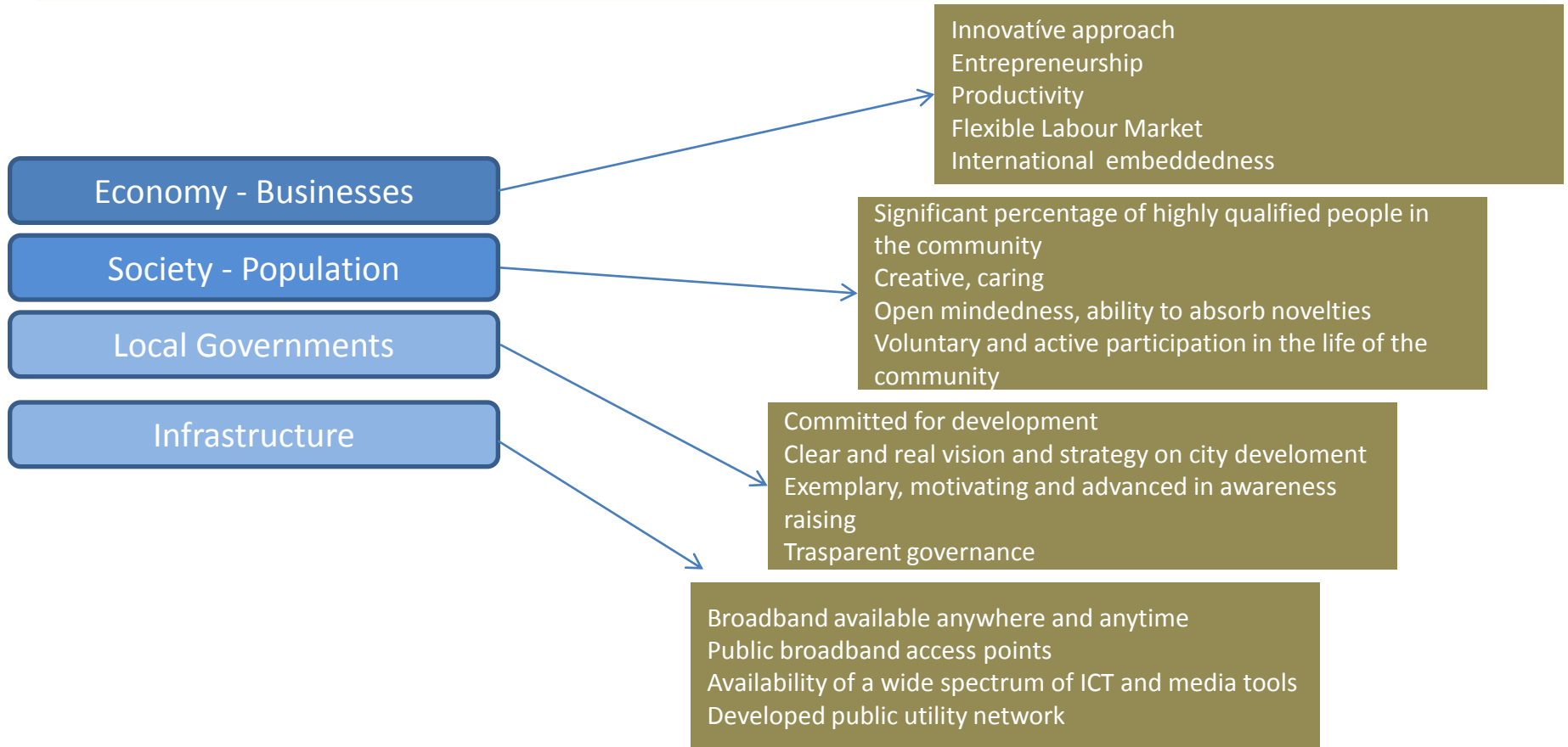
A Super Smart Grid



- 1 **Saving money:** uses technology to help us optimize our homes and businesses so we can buy electricity at the cheapest rates
- 2 **Making money:** a smart grid allows everyone to sell unused power back to the system. A smart grid meter spins both ways.

22 September 2011

Fundamental preconditions



**No possibility to use one single smart city definition
The key to successful smart city operation is smooth
cooperation of the 3 main stakeholders**

Why is now the right time for the government to act?

Consumer demands

eGovernment



Mobile Payment



Navigation



Smart metering of Energy



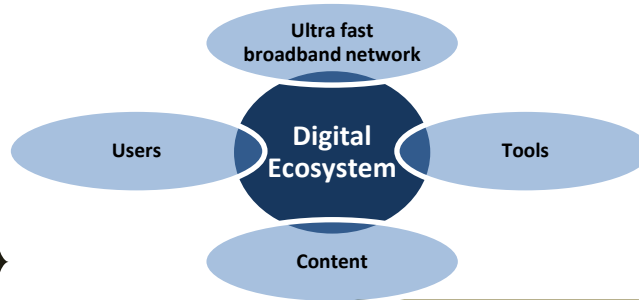
Transport



eHealth



- increasing number of users and intermediary channels
- means and services
- content and applications



Increasing need for mobility

Increasing Interactivity

Complex, cooperating applications

Growing need for increased band width

Growing need for a better quality of life

Service Providers



The State is responsible for the promotion and fostering of digital services and applications. It should be committed towards the creation of an inspiring environment improving the community's quality of life

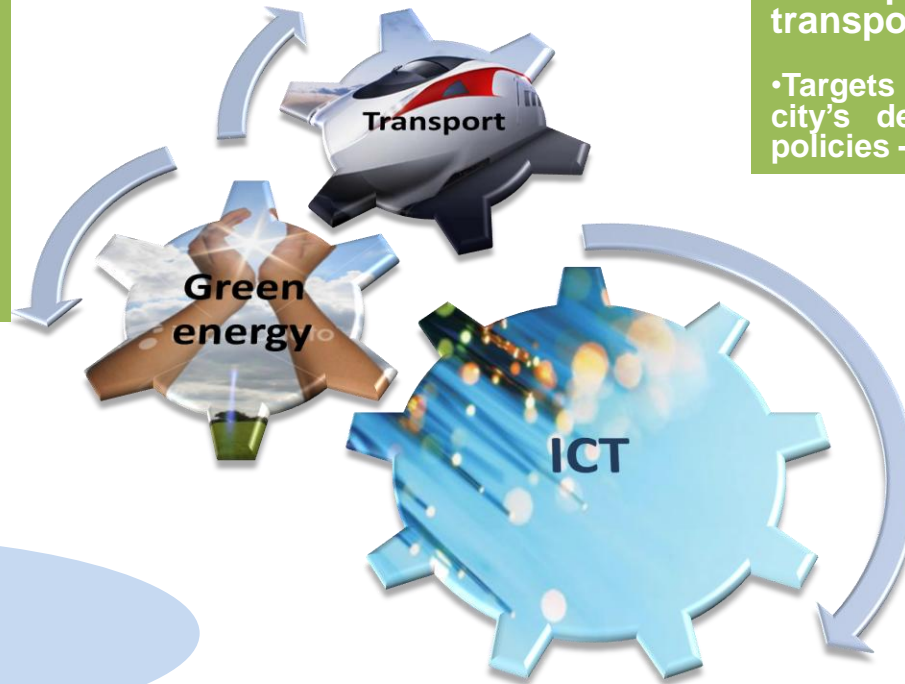
Existing government strategy basics

National Strategy on Energy

- Energy security
- sustainability
- competitiveness
- The main goal of the Europe 2020 strategical framework is to decrease by 20% green house gas emissions and to increase by 20% the resources dedicated to alternative, renewable energy

Concept on intelligent transport systems

- Targets are determined by the city's development and transport policies – ITS serves as means



Subsidization toolbar

Funding

Policies

Regulation

ICT strategy and action plan

- **infrastructure:** information and communication technologies (ICT) as „enabler” (means, softver)
- **innovation:** more livable and intelligent environment
- **knowledge:** motivation and awareness raising, education, promotion of usage

Citizens' services

- Online administration
- **Remote control**, video surveillance asset security systems
- fleet management of settlements/businesses (waste management, utility firms, etc.)

Energy

- Installation of Smart **metering devices**
- **Installation of environment protection observation systems** (integrated dust, noise, ground-water metering devices)
- **Intelligent lightning**, installation of brightness control (M2M, Obserware control)

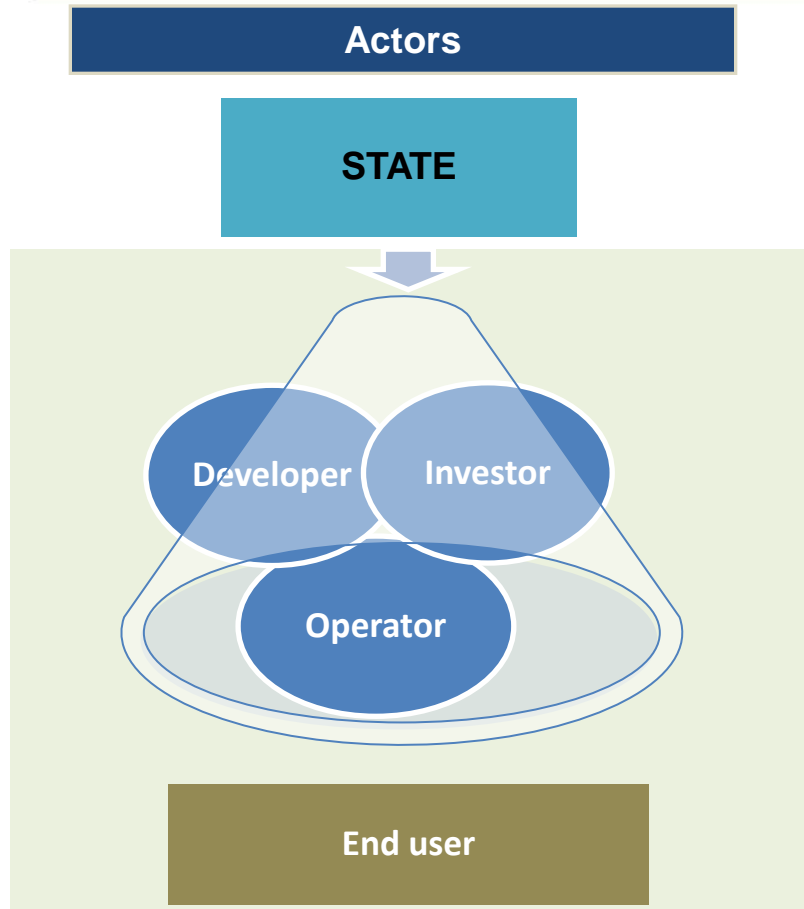
Transport solutions

- Community transport – fleet management
- Electronic **ticket system**
- **Traffic management system**
- **Parking** management;
- Multimodal/pedestrian **navigation systems**
- **Video surveillance systems** controlling traffic (bus lane, red light driving over)
- **Smart, „traffic surveiling” pedestrian crossings**

- **Services for citizens:** faster administration, rationalization of internal processes
- **Energy:** decreasing energy costs
- **Transport solutions:** traffic optimization, traffic safety, decreasing the volume of road accidents, timed traffic

The use of infocommunication technologies will bring revolutionary changes and is indispensable for the set up of smart cities

The role of the Government (Ministry of National Development)



3 possible models were examined

Coordinating state

Coordination

Public Policy

Communication

Appearance at EU and
international level

State initiation

Elaboration of development
strategy

Planning of financial and
resources (Use of EU
sources), based on regional
development strategies of
the government

Mixed model

Recommendations

Best practices

Financial Support

Smart cities operate successfully with an optimal engagement of the state, industry and the population

What is the role of the state?
We foster partnerships:
industry, businesses, NGOs