

BUCHAREST: STEPS TO A EUROPEAN SMART CITY

The 11th International Conference of the ROMANIAN REGIONAL
SCIENCE ASSOCIATION
“FUTURE DYNAMICS OF REGIONAL DEVELOPMENT AND PLANNING”
Pitești, May 12, 2017

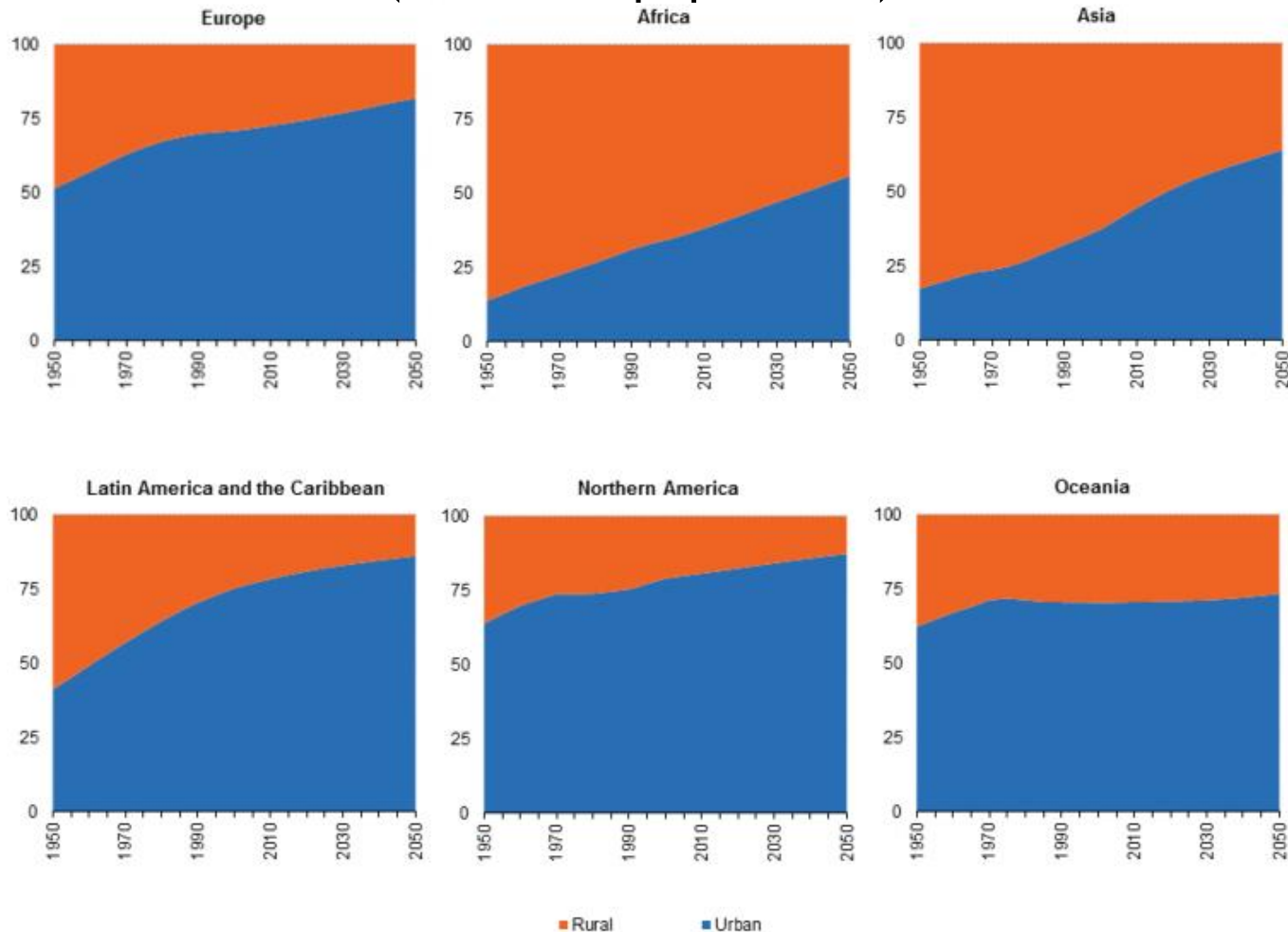
Liviu Rancioaga,
Bucharest-Ilfov Regional Development Agency



Agencia pentru Dezvoltare Regională
București - Ilfov

Urban and rural populations, 1950-2050

(% of total population)

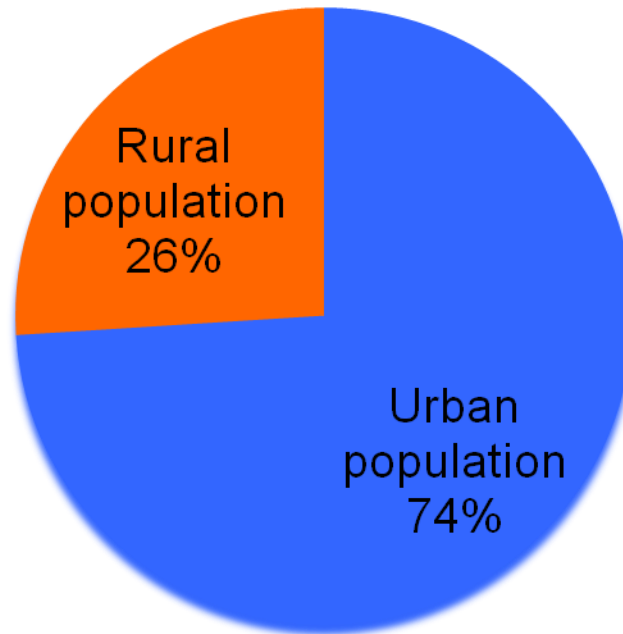


(*) United Nations data are based on national definitions; as such there may be a discrepancy with respect to the Eurostat data used elsewhere in this publication.

Source: World urbanisation prospects – United Nations, Department of Economic and Social Affairs, Population Division (2014)



EU distribution of population



Total EU population: 507,4 mil. inhabitants



EU concerns for cities and their citizens (I)

- 1997: The EC Communication *Towards an urban agenda in the European Union* - urban development
- 2007: the *Leipzig Charter* on Sustainable European Cities - cities more healthy and pleasant places to live
- 2010: the *Toledo Declaration* - the role that may be played by cities for developing a smart, sustainable and inclusive economy through urban regeneration projects
- 2012: EC's Directorate-General for Regional Policy became Directorate-General for Regional and Urban Policy - cities to play their full part in EU economic, social and territorial developments



EU concerns for cities and their citizens (II)

- February 2014: EC forum for stakeholders ***CITIES - Cities of tomorrow: investing in Europe*** - how the urban dimension of EU policymaking could be strengthened through an EU urban agenda
(MS, EP, CoR, local and regional representatives and associations)
- July 2014: EC Communication ***The urban dimension of EU policies - key features of an EU Urban Agenda*** - a consultation phase regarding the objectives and implementation of a future urban agenda
- May 2016: ***Pact of Amsterdam***



EU concerns for cities and their citizens (II)

➤ The Pact of Amsterdam

The Urban Agenda for the EU focuses specifically on three pillars of EU policy making and implementation:

1. Better regulation
2. Better funding
3. Better knowledge (base and knowledge exchange)

It will contribute to the implementation of the UN 2030 Agenda for Sustainable Development, notably Goal 11 ‘Make cities inclusive, safe, resilient and sustainable’



EU initiatives regarding cities

➤ CIVITAS - Cities, ViTality, Sustainability

- it support cities to develop urban transport policies for more sustainable urban mobility
- more than 200 cities



➤ The Covenant of Mayors

- “world’s biggest urban climate and energy initiative”
- more than 6000 signatory cities - reducing their greenhouse gas emissions by at least 20% by 2020 + 40% by 2030



➤ The European Week of Regions and Cities

- an annual event that support best practices, economic growth and job creation



What is a Smart City?

A smart city is the one that uses information and communication technology (ICT) and Internet of things (IoT) technology to improve the quality of life.

- a smart **economy**
- smart **mobility**
- a smart **environment**
- smart **people**
- smart **living**
- smart **governance**



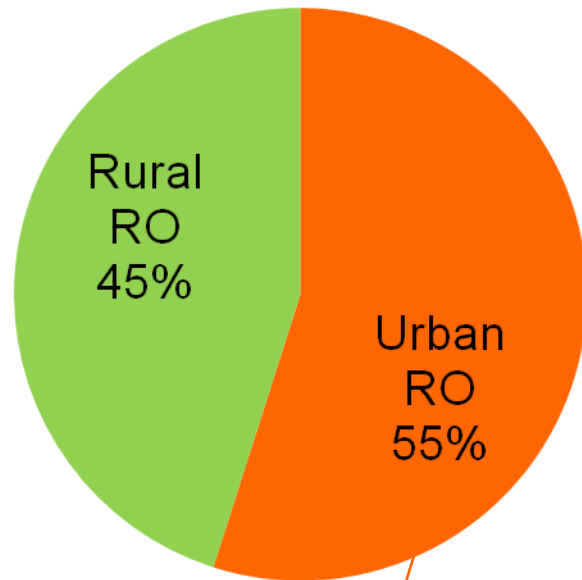
Classical definitions of a *Smart City*

- 2004, Jean Bouinot: “One that knows how to attract and retain companies employing **highly skilled workers**”
- 2007, Giffinger Rudolf et al: “Regional competitiveness, transport, Information and Communication Technologies economics, natural resources, human and social capital, quality of life, and participation of citizens in the governance of cities” = **the six characteristics**
- 2009, Caragliu and Nijkamp: “when investments in human and social capital and traditional (transport) and modern (ICT) communication infrastructure fuel **sustainable economic development** and a high quality of life, with a wise management of natural resources, through **participatory action and engagement**”
- 2013, Department for Business, Innovation and Skills, UK : “The concept is not static, there is no absolute definition of a smart city, no end point, but rather a **process, or series of steps**, by which cities become more 'liveable' and resilient and, hence, able to respond quicker to new challenges”
- 2014, Frost and Sullivan: “We identified eight key aspects that define a Smart City: smart governance, smart energy, **smart building**, smart mobility, smart infrastructure, smart technology, **smart healthcare** and smart citizen”
- ...



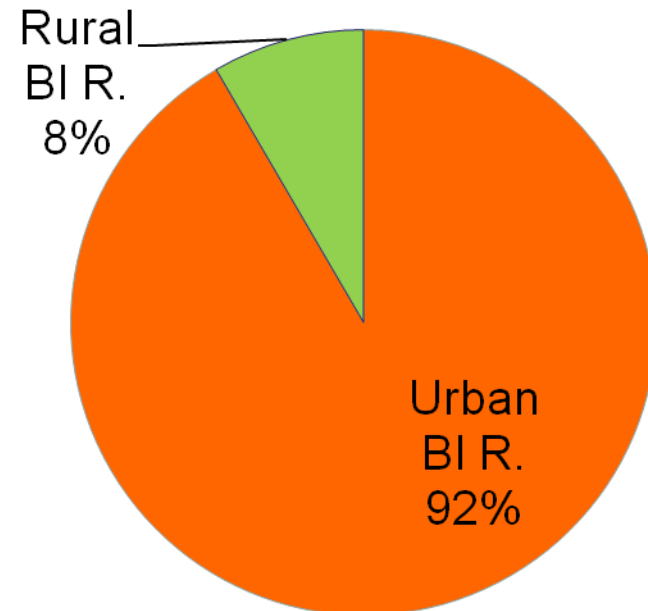
Urbanization in Romania

**Total Romania: 21.35
million inhabitants**



Bucharest 17.6%

**Total BI Region: 2.25
million inhabitants**



Municipality of Bucharest
8 cities
32 communes
91 villages

Source: 2011, Population and housing Census

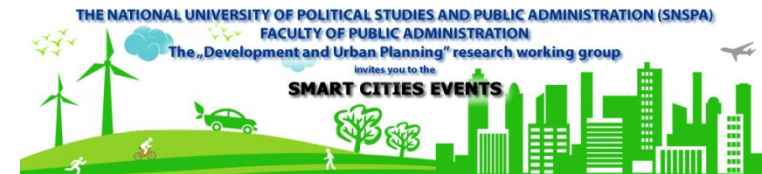


Romanian initiatives concerning *Smart cities*

- Romanian Association for Smart City and Mobility
 - Development of Smart City industry in Romania
 - A “community network” of citizens, companies and public institutions
 - <http://romaniansmartcity.ro>
- Association Smart City Pro



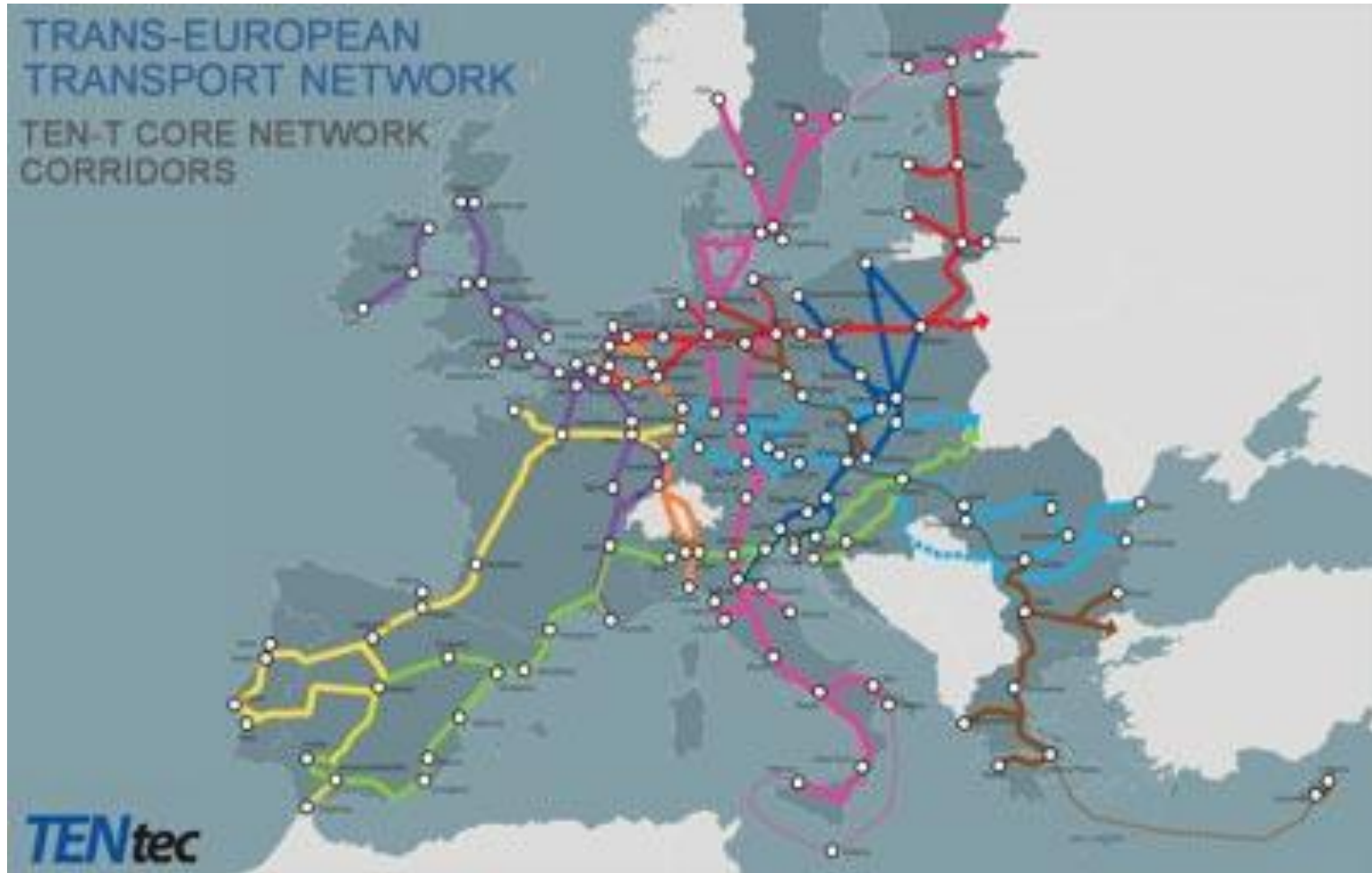
- Academic conferences on ‘smart city’
 - National University of Political Studies and Public Administration, Faculty of Public Administration
 - University Politehnica of Bucharest



- Private initiatives
 - Association for Metropolitan Mobility
 - ETL Mobility Cluster



Bucharest-Ilfov transport & modern infrastructure crossroad (1)



Bucharest-Ilfov transport & modern infrastructure crossroad (2)



Bucharest-Ilfov Regional Development Plan 2014-2020

- A Plan based on a consultation process of local authorities and other stakeholders
- A strategic document that outlines the priorities for the Bucharest-Ilfov development region in terms of competitiveness, social cohesion and sustainable development
- 9 thematic working groups at BI regional level:
 - Employment, social inclusion and social services;
 - Competitiveness and energy efficiency;
 - Rural development, agriculture, fishing;
 - Education;
 - Health services;



Bucharest-Ilfov Regional Development Plan 2014-2020

- Tourism, culture and cultural heritage;
- Environmental and climate changes;
- Transport;
- Communications and information technology.

From the working groups were part: the General Council of Bucharest, Ilfov County Council representatives, local authorities, Regional Directorate of statistics, agencies for employment, directions for culture, religious affairs and cultural heritage, the business community, employers, trade unions, public health directions etc.



Sustainable Urban Mobility Plan 2016-2030 for Bucharest-Ilfov (SUMP) (I)

- An instrument of development policy, complementary to the General Urban Plan (GUP)
- **All the local authorities** from Bucharest and Ilfov Council (48)
- **The main goal:** Achieving an efficient, integrated, sustainable and safe transport system that promotes economic, social and territorial development and ensures a good quality of life.
- A planning **for people**, not for cars
- **7 bill. euros** investments



Sustainable Urban Mobility Plan 2016-2030 for Bucharest-Ilfov (SUMP) (II)

- SUMP, **mandatory** for the implementation of the projects through the Regional Operational Program (REGIO) and the Operational Program for Infrastructure (POIM) - 2014-2020
- Strategic objectives:
 1. **Accessibility** for people from A to B;
 2. Improving **safety and security** while traveling;
 3. **Environmental protection** - reducing pollution, greenhouse gas emissions and energy consumption - promotion of non-motorized transport and public electric transport;
 4. **Economic efficiency**
 5. **Urban quality**



SUMP Proposed projects

- Development of the buses and trolleybuses network
- Bicycle tracks and bicycle facilities
- Rehabilitation and extension of the road network
- Parking strategy
- A new public transport program for metropolitan area of Bucharest Capital City



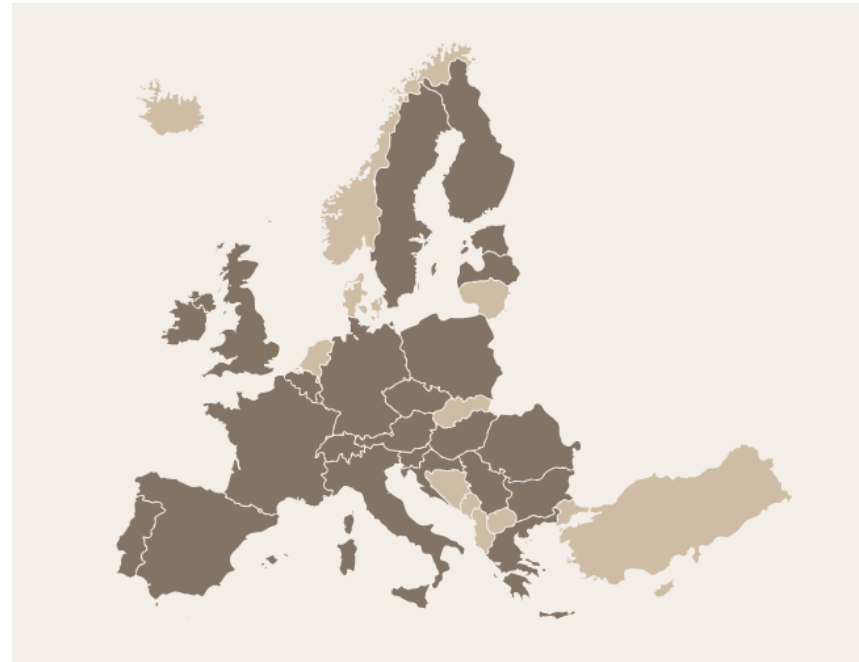
Future events

**EUROPEAN
SUSTAINABLE
DEVELOPMENT
WEEK**
30 MAY – 5 JUNE

➤ a European-wide initiative to stimulate and make visible activities, projects and events that promote sustainable development and the Sustainable Development Goals (SDGs).

➤ **FACTS:**
1653 INITIATIVES IN 24 COUNTRIES

➤ Bucharest-Ilfov Regional Development Agency is part of it.



BUCHAREST-ILFOV REGIONAL DEVELOPMENT AGENCY

Intermediary Body for Regional Operational Programme

THANK YOU FOR YOUR ATTENTION!

163 M. Eminescu Street, Bucharest, Romania
Phone /Fax: +4 021.315.96.59; +4021.315.96.65
Phone helpdesk: + 4021.313.80.99
Email: liviu.rancioaga@adrbi.ro



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Proiect selectat în cadrul Programului Operațional Regional și co-finanțat
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