

Jasper

port Projects in European



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### Overview

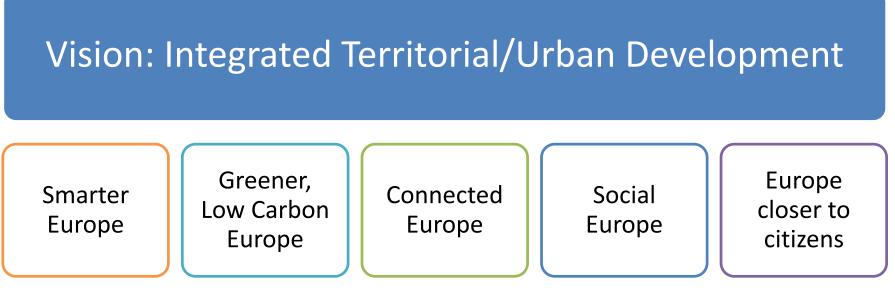
- About JASPERS
- 8 cities & regions in transition
- 2 deep-dives, best practices: Debrecen & Presov
- JASPERS support for smart cities & regions
- URBIS contribution



Smart technologies improving quality of life of citizens

Supporting sustainable (smart) cities Jaspers

- A **Sustainable Urban Development Strategy** to set the strategic intent and framework for development
- Action Plans to establish the short-medium term priorities and actions
- Investment programme and effective implementation mechanism





- Joint Assistance to Support Projects in European Regions
- Partnership between the European Commission (EC) and the European Investment Bank (EIB)
- Independent advice to beneficiaries to help prepare high quality major projects as well as non-major projects and programmes to be cofinanced by EU Structural and Investment Funds (ERDF and CF)

### JASPERS Areas of Activity





Energy and

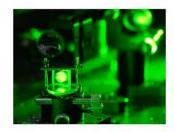
Solid Waste

Rail, Air and

Maritime



Roads



Smart Development

Water and Wastewater

### **Towards Smart Cities**





# EU Smart Regions Evaluation: The Gap

#### Key smart regions indicators



Smart Economy



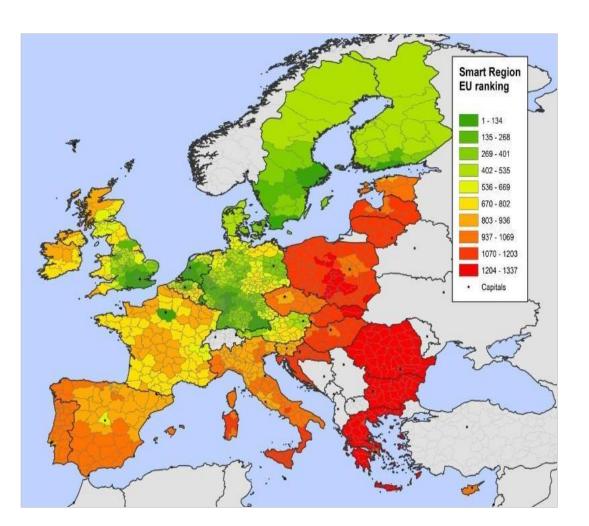
- Smart Environment
- - Smart Living



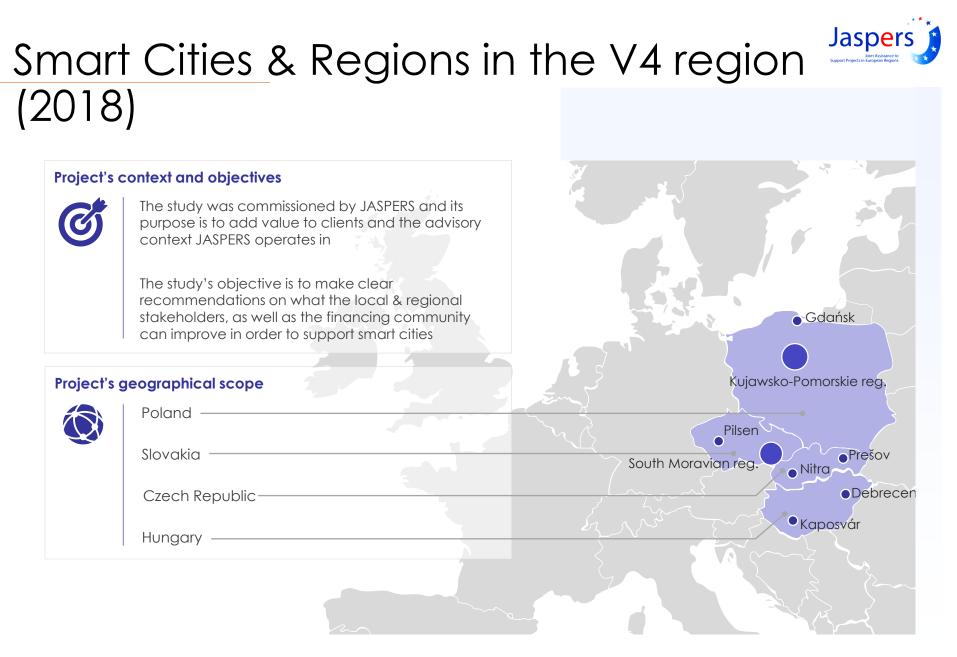
Smart Governance



**Smart Society** 



Sources: ©Miroslav Kollar, Rocco Bubbico, Nicolas Arsalides/EIB



Sources: PwC

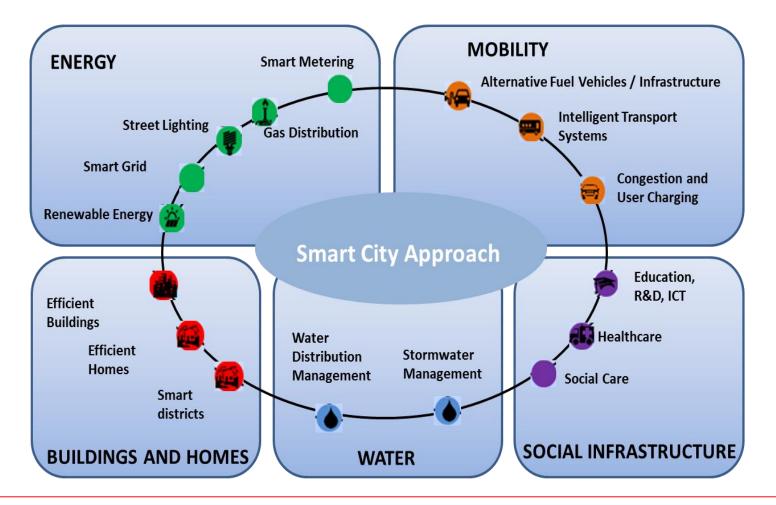
# 8 learning partners



Presov	94k	Catching up Region (with Kosice), Functional Region
Nitra	86k	Single city with a large <b>FDI</b> from JLR
Debrecen	203k	Cross-border aspects with Slovakia (Kosice) and Romania FDI focus
Kaposvar	63k	Sustainability, ambitious green goals
Gdansk	463k	Gdansk-Gdynia-Sopot "tri-city area", focus on social innovation
Kujawsko Pomorskie (Torun- Bydgoszcz)	Over 2Mio	Smart Specialisation (to boost low innovation), address unemployment, specific emphasis on data management, green & recreational goals as well as energy efficiency
Southern Moravia (Brno)	Over 1,2 Mio	Smart specialisation (high innovation), tech transfer between driving city Brno & other municipalities in region, integrated transport
Pilzen	170k	Data management & impact reporting according to EU categories



# Smart Territorial Development Jaspers

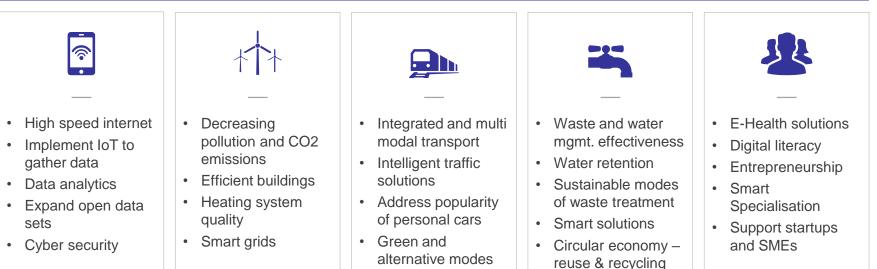


Smart = VfM, meeting location specific demand,

# Identified Needs



- Comprehensive and integrated development approach led by a smart city strategy
- Cross-departmental, multi -stakeholder cooperation and public participation
  - Institutional capacity to effectively collect, manage and use data
  - Increased capacities and capabilities of public administration



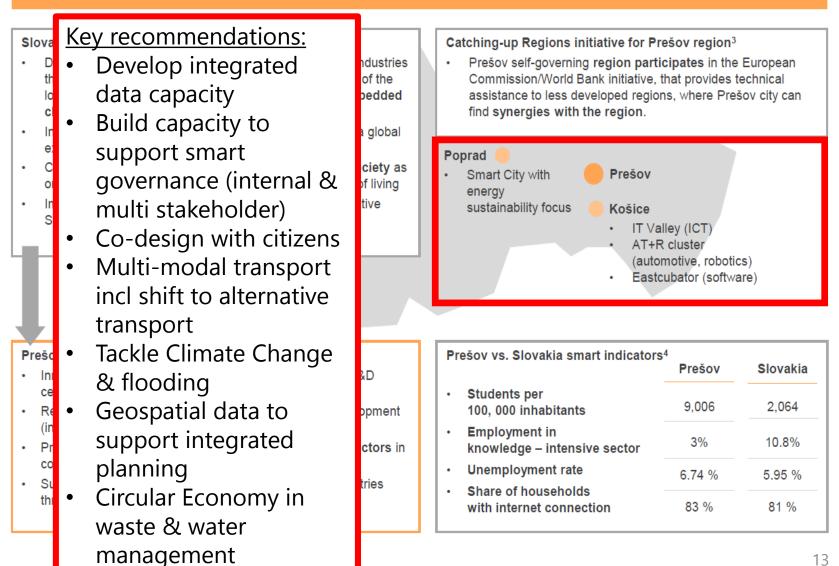
- Diversify financing sources and combining structural funds across OPs
- Attract & manage private funding
- Capacity and capability building to understand financial instruments
- Greater capacity concerning procurement (including innovation procurement)

Sources: PwC

### Deep dive: Presov







# Deep dive: South Moravia Region

#### **Regional trends**



- Regional planning to support regional development & harmonization
- Region as a hub to drive integrated mobility, energy efficiency, tech transfer & capacity building for smaller municipalities
- Support of major smart city projects BRNO drives



city of Prague and the countries of Western Europe

· Administrative centre of the Region

· Smart City Brno Strategy

Hodonín

Brno:

Peripheral areas

Znoimo

JIC, CEITEC

## Key Recommendations





- Introduce strategic approach to smart development
- Ensure appropriate governance structure
- Develop operational capacity to manage smart city
- Engage citizens and communities



- Move towards integrated center of city operations
- Invest in key ICT infrastructure and cyber security
- Provide public and private stakeholders access to open data



- Improve energy efficiency of the built environment
- Introduce measures to lower air pollution from heating
- Implement strategy to address climate change



- Support integrated and multi modal transport at regional level
- Implement intelligent traffic solutions
- Support green and alternative modes of transport



- Foster smart and sustainable water management
- Waste management to circular economy

   support reuse& recycling
- Develop climate change adaptation and crisis mgmt.



- Support partnerships in innovation economy and smart specialization
- Empower local community for utilizing digital age
- Smart health solutions and smart tourism

- Build capabilities to tap into a portfolio of financing instruments
- Use existing and future opportunities created by ESIF to support smart city development
  - Build self-sustainable smart cities and regions using innovative financing and procurement models

# Rules for building smart cities

Have a multisector sustainable development strategy	<ul> <li>Smart Cities are those planning and executing investments and/or investment programmes in their territories on the basis of medium-long term integrated strategies ("planning-led"), which target the sustainable development ("sustainability") of the city/region.</li> </ul>
Set investment priorities taking into account their comparative advantage	<ul> <li>Smart Cities ensure the efficient use of human capital, economic/financial resources and material or immaterial assets, so as to optimise the city/region's comparative advantages ("place-based").</li> </ul>
Take into account the opinions of their stakeholders	• Smart Cities take into account the views of the city/region stakeholders, among them their citizens directly or through their associations, as well as the representatives of economic, social, cultural and political organisations undertaking their organisations activities within the city/region ("inclusive") through appropriate governance structures.
Adopt a comprehensive approach in the making of investment decisions	<ul> <li>Smart Cities make decisions to implement investments in view of the:</li> <li>Analysis of costs and benefits, sustainability over their life-cycle, integration within the urban system and other planned investments/interventions ("integrated"), as well as overall consistency with the city/region development strategy ("planning-led").</li> </ul>
Make use of skills, innovation and new technologies	• Smart Cities include a substantial portion of their overall capital programmes oriented to investments which apply advanced technologies ("innovation"), in particular information and communication technologies (ICT).
Foster a pro-innovation environment	• Smart cities foster an innovative ecosystem through investment and by encouraging and collaborating with universities, industry and other partners to put in place the infrastructure, services and skills needed to support and nurture innovation.

### URBIS - unlocking urban investment



- Launched in Rotterdam at the Cities Forum November 2017 in partnership with EU
- Provides advice to cities and their partners
- Focuses on investment support: project development, linking strategy to investment, and innovative financial instruments and approaches
- Available via the European Investment Advisory Hub



URBIS is a new dedicated urban investment advisory platform within the Hub. URBIS is set up to provide advisory support to urban authorities to facilitate, accelerate and unlock urban investment projects, programmes and platforms.

Find out more

### JASPERS contribution to URBIS



### JASPERS focus on Strategic & Technical Advice

#### **Investment/Delivery Programme(s)**

3-5 years time horizon

Additionality

Blending of financial sources





Advice is afforded at national, regional and city level

#### Upstream planning and development of projects

- Emphasis on participation & community building
- Regional/city wide insights city dashboards
- Integrated planning / development of programmes of projects:
  - Governance (institutional, efficiency)
  - Enablers & support, e.g. shared IT & data infrastructure
- Technical advice incl. **smart spatial planning**
- Scaling mechanisms for regions, countries & cross-border
- Advisory support to innovation-oriented demonstration projects & synergies with other EU funds (Horizon2020)

### Recent and Ongoing JASPERS urban projects

#### Krakow Metropolitan Area Development

- **Target:** Prepare a long-term development plan for the Krakow Metropolitan Area (City of Krakow + 15 districts around the city of Krakow)
- **Multi-sector programme**: spatial planning, urban mobility, low-carbon economy, energy efficiency, social inclusion, creation and integration of databases, smart, governance and revitalization.
- **Purpose:** Objective setting for the metropolitan region and identification of investments needs to boost metropolitan development post-2020.
- **JASPERS Smart Development** provides guidance and advisory in the planning and drafting process, as well as coordinates inclusion of sectoral experts for each multi-sector programme.

#### Integrated Urban Strategy, Valletta, Malta

- Target: Deprived neighbourhood in Lower Valletta
- **Investment:** EUR 24m (80% ERDF, article 7)
- **Multi-sector programme:** social housing, cultural heritage, transport, entrepreneurship/business, skills
- **Challenge:** Bundling of different schemes into one urban regeneration programme in line with OP including place-specific needs
- **JASPERS Smart Development** advised the Maltese on the development and use of a multi-criteria analysis (MCA) tool, which is an aid to decision-making and inherently reflects prevailing priorities across sectors, enabling an integrated approach









#### Smart development for a smart Europe



http://e.astopa.co/growth/minut/vincovation/lacts-figuten/ingional\_en http://e.astopa.co/ingional\_policy/ins/indianasto-figuten/ingional\_en http://e.astopa.co/ingional\_policy/ins/indianasto-figuten/ingional\_enter/indianasto-figuten/ingional\_enter/india

levels of employment, productivity and social cohesion.

### Thank you!

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More information: http://jaspers.eib.org/