















JASPERS Advisory Support

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Overview

- Introduction to JASPERS
- Towards **Smart Cities**
- EU Smart Regions the GAP
- The EIBs V4 study
- Tale of two Slovak cities: Nitra & Presov
- Jaspers support for smart cities & regions



Smart technologies improving quality of life of citizens

• **URBIS** contribution



- 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

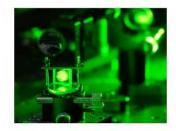
Solid Waste

Rail, Air and

Maritime



Roads



Smart Development

Water and Wastewater

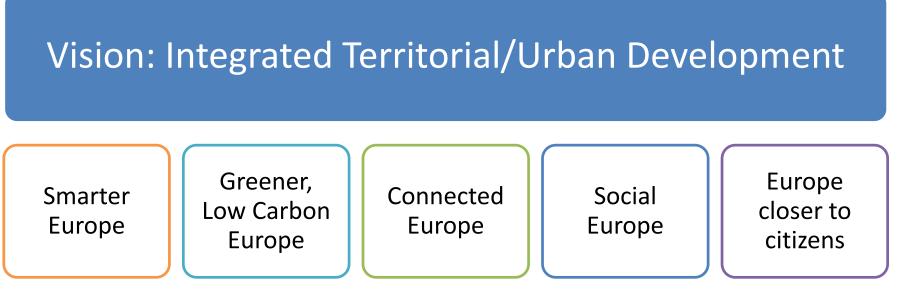
Towards Smart Cities





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



EU Smart Regions Evaluation: The Gap



Key smart regions indicators



Smart Economy



Smart Mobility



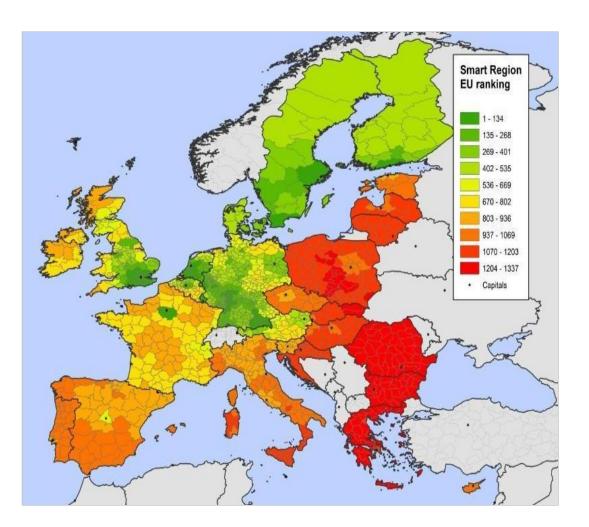
- Smart Environment
 - Smart Living



Smart Governance



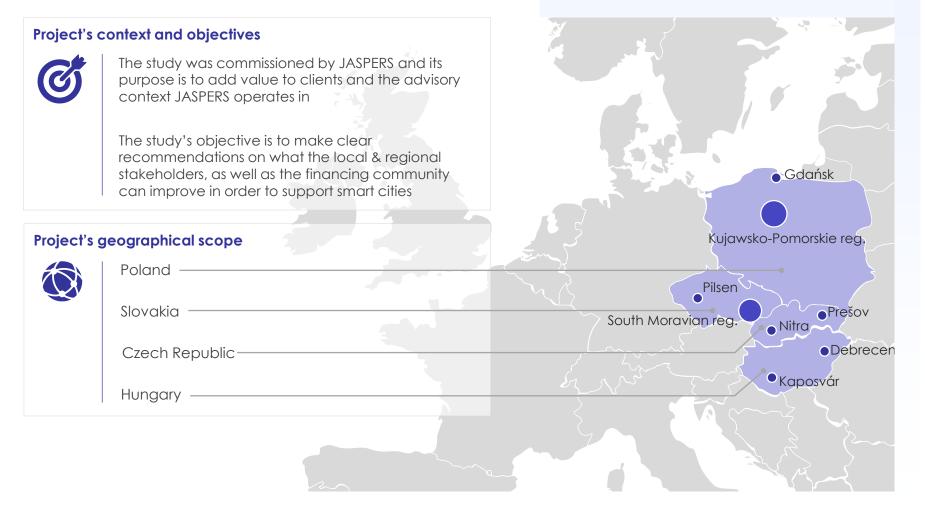
Smart Society



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



JASPERS Technical Assistance Assessment Study – Smart Cities & Regions in the V4 region (2018)

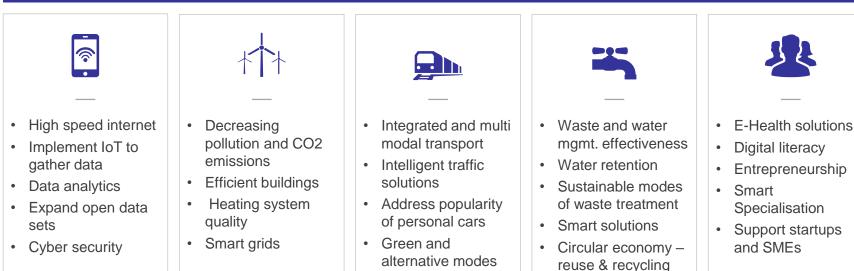




Identified Needs Driving V4 Smart Cities & Regions



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



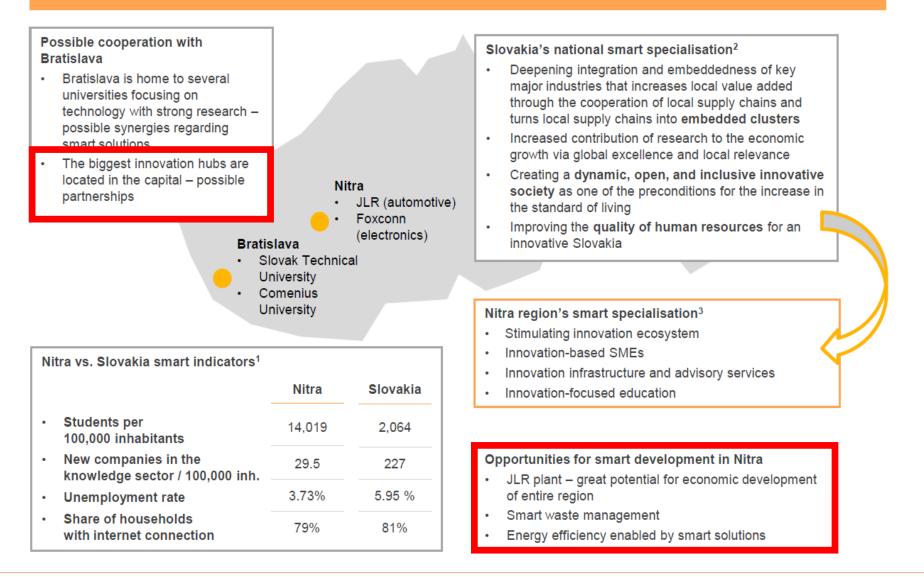
- Diversify financing sources and combining structural funds across OPs
- Attract & manage private funding
- Capacity and capability building to understand financial instruments
- Greater capacity concerning procurement (including innovation procurement)

Sources: PwC

The tale of two Slovak cities: Nitra

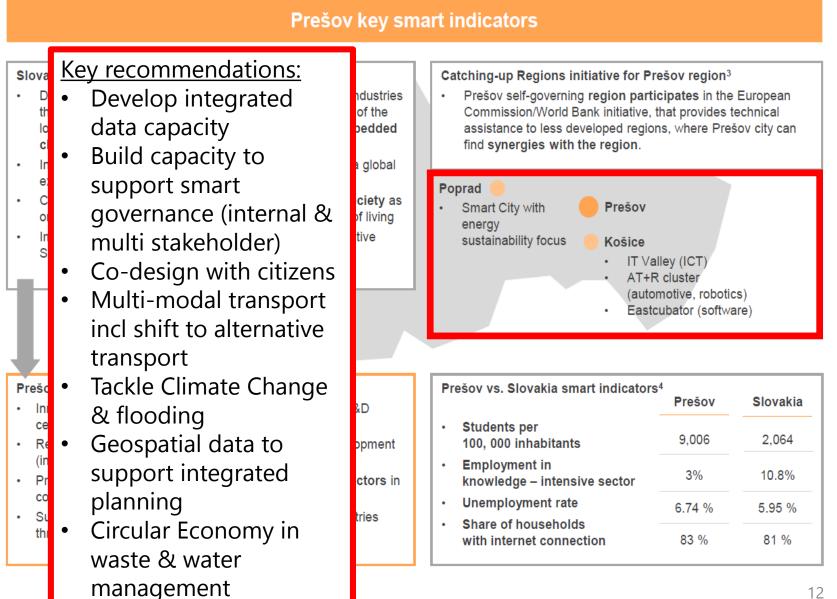






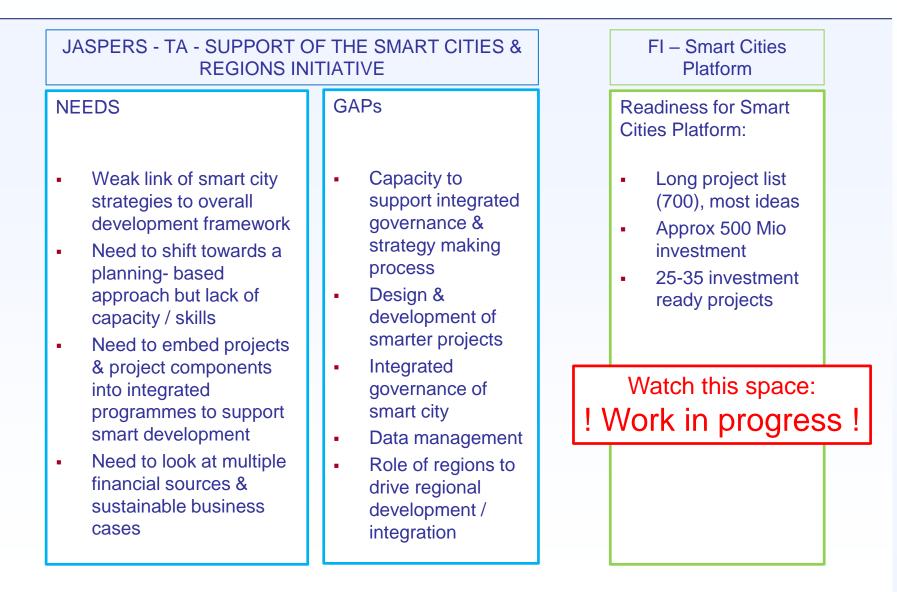
The tale of two Slovak cities: Presov













Key Recommendations to Accelerate Smart City Development

- 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



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)

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







Smart development for a smart Europe



http://czustopz.co/gravets/industry/accounters/acco-fapates/regional_en http://czustopz.co/gravet_perior/actor/accounters/

levels of employment, productivity and social cohesion.

Thank you! g.carpenter@eib.org

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