



ERA Chair for Intelligent Transport Systems

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ERAdiate



The ERAdiate Project

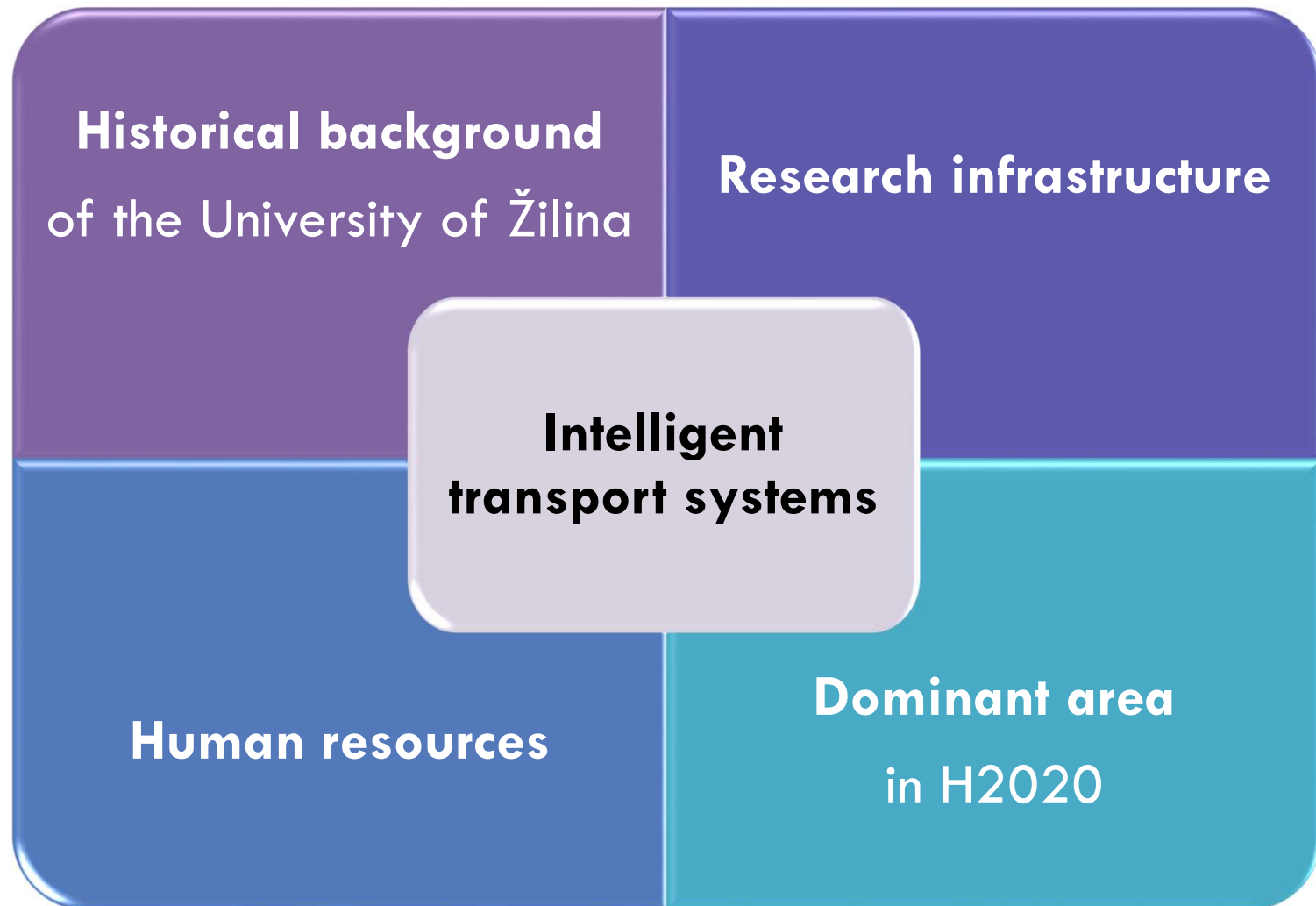
Enhancing Research and innovation
dimension of the University of Zilina in
intelligent transport systems

Grant Agreement No: 621386

EU: One of the first ERA Chairs &
first widening measure funded in SK



ERAdiate - Pillars





Project Highlights

- 11 ERA Chairs granted out of 111 applications
- Strategy for Sustainability of ERA Chair
- Contribution to
 - Excellent research
 - Enhanced competitiveness
 - Growth and jobs in line with regional innovation strategies



ERAdiate

Objective - unlocking and developing the research potential and promoting excellence of the University of Zilina and the Zilina convergence region in the field of Intelligent Transport Systems

Key instruments – systematic development of human resources, effective utilization of unique research infrastructure and transformation of institution towards enhanced competitiveness



Tasks of ERA Chair

- Scientific work & publications
- Development of international contacts and cooperation
- Workshop & conference organization
- Outreach to global & regional partners
- Support in ITS deployment
- Cooperation projects with Industry
- Advice to decision makers / Consultancy
- Transfer of best practices



ERAdiate – Focus on ITS

- Cooperative and complex systems
- SMART solutions
 - Smart & Liveable Cities
 - Access to Historical Centres
 - Pricing of Mobility
- Decarbonisation of mobility (eMobility)
- Business models for ITS and ICT
- Inclusive mobility
- Societal effects of ITS deployment



Applied Research

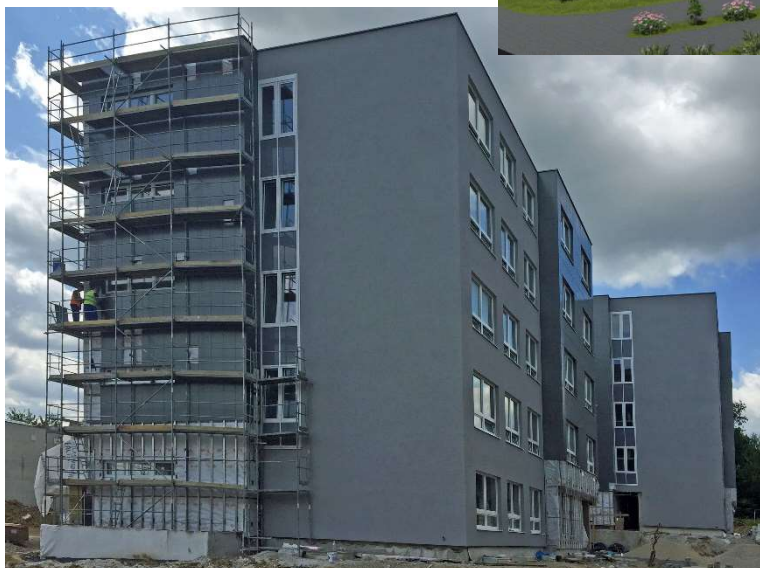
- Decision support (political / commercial)
- Key Performance Indicators & SLAs
- Big Data / Open Data
- Interoperability
- System Architecture
- Roles & responsibilities
- Usability / HMI / distraction
- Data protection and privacy
- Liability issues





A Cornerstone for Žilina University

Visualization



2015-07-10

UNIVERSITY OF ŽILINA
University Science Park



Sustainability of the project

Main pillars of the University Science Park:

- [Intelligent transport systems](#)
- [Intelligent manufacturing systems](#)
- [Development of new advanced materials and technologies](#)
- [Information and communications technologies](#)

Activities of ERAdiate project are in accordance with:

- EU-Directive on Deployment of ITS & Action Plan
- Goals of H2020
- Smart solutions in different areas like smarter cities
- Regional and interregional requirements for mobility solutions
e.g. CZ/PL/SK, AT/SK, Danube Region
- RIS 3 strategy



RIS3 SK - STRATEGIC OBJECTIVES

RIS3 - Research and Innovation Strategy for Smart Specialisation of the Slovak Republic

The vision of this strategy will be accomplished through strategic objectives:

1. Deepening integration and embeddedness of key major industries increasing local value added through the cooperation of the local supply chains and turning local supply chains into embedded clusters
- 2. Increased contribution of research to the economic growth via global excellence and local relevance**
3. Creating a dynamic, open and inclusive innovative society as one of the preconditions for the increase in the standard of living
- 4. Improving the quality of human resources for an innovative Slovakia**



RIS3 SK - Measures (Selection)

- Development of innovative capacities through **cooperation** between enterprises and research institutions in key sectors of the Slovak economy
- **Technological upgrade** for structural changes in industry
- **Fostering excellence** of research
- Excellent research & **Knowledge diffusion**
- **Linking** universities, Academy of Sciences, research institutions and partners from the area of industry
- Systematic support and stimulation of **international cooperation in science and technology**



Prioritize Quadruple Helix Innovation

Government, Academia, Industry and Citizens collaborating together to drive structural changes far beyond the scope of any one organization could achieve on it's own

Involve all stakeholders in quadruple helix to innovate and experiment in real world settings, in creating **frictionless innovation ecosystems**





UNIVERSITY OF ZILINA

University Science Park

univerzitný vedecký park
univerzitný vedecký
park univerzitný vedecký park univerzitný
vedecký park university science
park **university science**
park university science park university
science park univerzitný vedecký
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park university science park university
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Thank you for your attention!

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