

EXPECTED RESULTS

- Attractiveness of UNIZA and the Žilina region for excellent researchers will be increased
- ITS research excellence will be achieved at UNIZA
- Higher participation of UNIZA in Horizon 2020 and other competitive funding programmes
- Institutional changes will be implemented to comply with ERA priorities and sustainably develop human resources and research infrastructures
- National and international cooperation will be strengthened with stakeholders, especially innovative business partners, research institutions and professional associations
- Interaction with regional and national authorities will be enhanced in designing and implementing research and innovation strategies and policies for the SMART specialization
- Effective and direct contribution to regional and national economic and social development plans

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The project receives funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 621386



UNIVERSITY OF ŽILINA
University Science Park

ERAdiate

Enhancing Research
and Innovation Dimensions
of the University of Žilina in
Intelligent Transport Systems

FP7 Coordination and Support Action
European Research Area (ERA) Chair project
2014-2019

MAIN OUTCOMES

- Five international approved project proposals (MoTiV, SENSIBLE, WISE-ACT, SIMMARC, Lloyd's Register Foundation Grant), including coordination of H2020 project (MoTiV)
- Organisation of scientific conferences
Intelligent Transport Systems: a Tool or Toy?
22-23 November 2016, Žilina, Slovakia
INTSYS 2017
29-30 November 2017, Helsinki, Finland
Smart City 360 Summit
29 November - 1 December 2017, Helsinki, Finland
- Organisation of
UNIZA Grants Week
19-21 September 2017, Žilina
- Strong relationship with different types of stakeholders in the field of ITS, such as EGTC TRITIA, CVTI, the Region of Žilina, GlobalLogic, Siemens and Orange SK, which led to project proposals and exchange of knowledge
- Elaboration and implementation of an ERAdiate research and innovation strategy in ITS
- Involvement in two COST Actions (TU1305 on "Social Networks and Travel Behaviour" and CA15212 on "Citizen Science")
- Representation in relevant ITS organisations such as EARPA and ECTRI
- Representation in H2020 Programme Committee on Smart, Green and Integrated Transport
- Influencing complex policies at European and national levels
- Standardisation: active participation in CEN TC 278 and CEN TC 278 WG17 on Urban Mobility
- Promotion of R&I activities at major ITS events
- Peer reviewed papers accepted and presented at international conferences
- Contribution to scientific community as scientific reviewers and members of committees/boards

VISION

The University of Žilina (UNIZA) becomes a unique innovation hub and a leading European institution in Intelligent Transport Systems (ITS) research and innovation. Awareness about ITS research activities at UNIZA is increased within the European Research Area. The performance of UNIZA and the Žilina convergence region in ITS research, innovation as well as education is enhanced for the benefits of relevant actors at regional, national and European levels.

MISSION

To contribute to scientific excellence in ITS and support regional innovation strategies fostering economic and social development.

To build an attractive and internationally competitive environment at UNIZA through the development of human resources and maximisation of research infrastructure exploitation.

MAIN RESEARCH AND INNOVATION THEMES

Cooperative ITS
Decarbonisation of Mobility
Sustainable Urban Mobility / Smart City
Intermodal ITS
Cross-cutting topics: Mobility Indicators, Autonomous Driving, MaaS, Travel Behaviour

To unlock and strengthen UNIZA research potential in ITS
To promote ITS excellence of UNIZA and the Žilina convergence region
To increase international competitiveness of UNIZA
To intensify national and international cooperation with stakeholders
To contribute to economic growth and employment in line with regional innovation strategies

OBJECTIVES