

## Project Partner Search Form - CALL H2020

- I offer my expertise to participate as a Partner in a H2020 Project
- I am planning to coordinate a project and I am looking for Project Partners

### TOPICS OF INTEREST

- DT TRANSFORMATIONS 02-2020       DT GOVERNANCE 05-2020       GOVERNANCE 21-2020

### PARTNER INFORMATION

#### **Description of the Legal Entity**

The Department of International Research Projects (ERAdiate+) at the University of Zilina has been set up as a follow up of the successfully finished FP7 pilot ERA Chair project ERAdiate - Enhancing Research and innovAtion dimension of the University of Zilina in intelligent transport systems. ERAdiate+ falls within the competence of the Vice-rector of Science and Research and is managed by the head of the department.

ERAdiate+ is responsible for supporting involvement of UNIZA researchers into preparation and implementation of research and innovation (R&I) projects funded by EC, especially Framework Programmes projects, which are done through creating joint research teams of ERAdiate+ employees and experts from UNIZA workplaces. The department is also contributing to the enlargement of the existing network of European and international ERAdiate+ contacts for European research and innovation Framework Programmes projects with the participation of experts from UNIZA workplaces.

The department of ERAdiate+ focus on several crucial fields in R&I, characterised by a multidisciplinary approach drawing from the engineering and social sciences, including among others:

- Sustainable Urban Mobility / Smart City: urban mobility indicators on GHG, safety, connectivity, inclusion, and traffic management, incident detection and classification, urban logistics and last mile deliveries, user behaviour. Intermodal ITS with a focus on modal shift, shared mobility, modelling and simulation, shift elasticity, MaaS, Big Data and Sustainable Urban Mobility Plans (SUMPs).
- Co-operative ITS: communication, ad-hoc networks, safety related applications, standardisation – CEN and ETSI, localisation;
- Decarbonisation of Mobility: eMobility including use of electric vehicles, infrastructure and procedures, simulation, mathematical modelling and pricing modelling, indicators on Greenhouse Gases (GHG), modal shift and shared mobility;
- Impact assessment and decision-support systems for cost, benefit and risks analysis of emerging and disruptive technologies in transport, including wider impacts (e.g. equity, system resilience, transport passenger experience, quality-of-life);
- Living Labs: processes for stakeholder engagement, including civil society and socio-demographic groups that are under-represented (e.g. youth), public authorities, and industry; real-life experimentation processes for intelligent and sustainable transport systems

ERAdiate+ is member of the [European Automotive Research Partners Association \(EARPA\)](#), and the [Association for Transport Telematics \(Czech and Slovak ITS & Services\)](#). Through the University of Zilina, ERAdiate+ is member of the [European Conference of Transport Research Institutes \(ECTRI\)](#) and the [Forum of European National Highway Research Laboratories \(FEHRL\)](#). ERAdiate+ is also an active contributor to

international ITS standards discussed and released by the European Committee for Standardization Technical Committee 278 (CEN/TC 278). Prof. Kovacikova contributes to WG17 "Urban ITS".

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Higher Education | <input checked="" type="checkbox"/> Research Institution | <input type="checkbox"/> Public Administration |
| <input type="checkbox"/> Industry /SME    | <input type="checkbox"/> NGO                             | <input type="checkbox"/> Other                 |

### **Description of the Research Team**

ERAdiate+ is conceived as a flexible organisational structure consisting of multidisciplinary experts and specialists with skills in project management, technology and innovations transfer to industry, social and environmental impact assessment, decision-support tools, stakeholder engagement processes, policy assessment and analysis.

ERAdiate+ is involved in several EU R&I projects and activities in the area of the call:

As a coordinator:

- H2020 R&I Action MoTiV: Mobility and Time Value

As a partner:

- H2020 S2RJU RIDE2RAIL - Travel Companion enhancements and RIDE-sharing services synchronised to RAIL and Public Transport
- COST Action TU1305 - Social Networks and Travel Behaviour
- COST Action CA16222 - Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport

### **Expertise of the Team Leader**

**Prof. Tatiana Kováčiková, PhD.** has been Head of ERAdiate+ at the University of Zilina, Slovakia, since July 1, 2019. From October 1, 2017 till June 30, 2019 she was the ERAChair Holder for Intelligent Transport Systems (ITS) at the University of Zilina.

She has been active in ICT&ITS standardisation for more than 15 years. Currently she represents Slovakia in CEN TC 278 on ITS. She has served as Expert Evaluator of the H2020 Framework Programme since 2002.

From June 2013 till October 2015, she held the position of the Head of Science Operations at the COST Association in Brussels. From 2009 to 2013 she was the Head of the Department of InfoCom Networks at the University of Zilina, Slovakia.

Her research interests include Information and Communication Technologies (ICT) and Intelligent Transport Systems (ITS), in particular network architectures, services and applications. She has been involved in a number national and international research projects including COPERNICUS, INCO-COPERNICUS, EURESCOM and EC funded FP projects.

From 2002 to 2013, she was involved in the European Telecommunications Standards Institute (ETSI) as a leader or member of Specialist Task Forces for Human Factors, CLOUD, TISPAN (Telecommunications and Internet converged Services and Protocols for Advanced Networking) and ITS Technical Committees.

In 2013, she was promoted a Full Professor in Applied Informatics. She received her PhD in telecommunication systems from the University of Transport and Telecommunications in Zilina, former Czechoslovakia, in 1996. She received her diploma in telecommunication engineering from the same university.

### **Field of expertise related to the topic**

- Social & Societal Impact of Digital Transformation       Impact & Sustainability of the Technology

Users/Citizens' Needs and Requirements

Privacy /Data Protection Requirements

Users/Citizens' Trust and Satisfaction

Success and Failure factors of Technology

### **Potential role**

Research

Technology Development

Dissemination

Training

Already experience as a	Coordinator	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	Partner	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	Expert Evaluator	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

### **CONTACT DETAILS**

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