



Enhancing Research and innovAtion dimension of the University of Žilina in intelligent transport systems

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Funding Period: 2014 – 2019 (5 years)

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 and innovation as well education is enhanced for benefits of relevant actors at regional, national and European level.

Mission

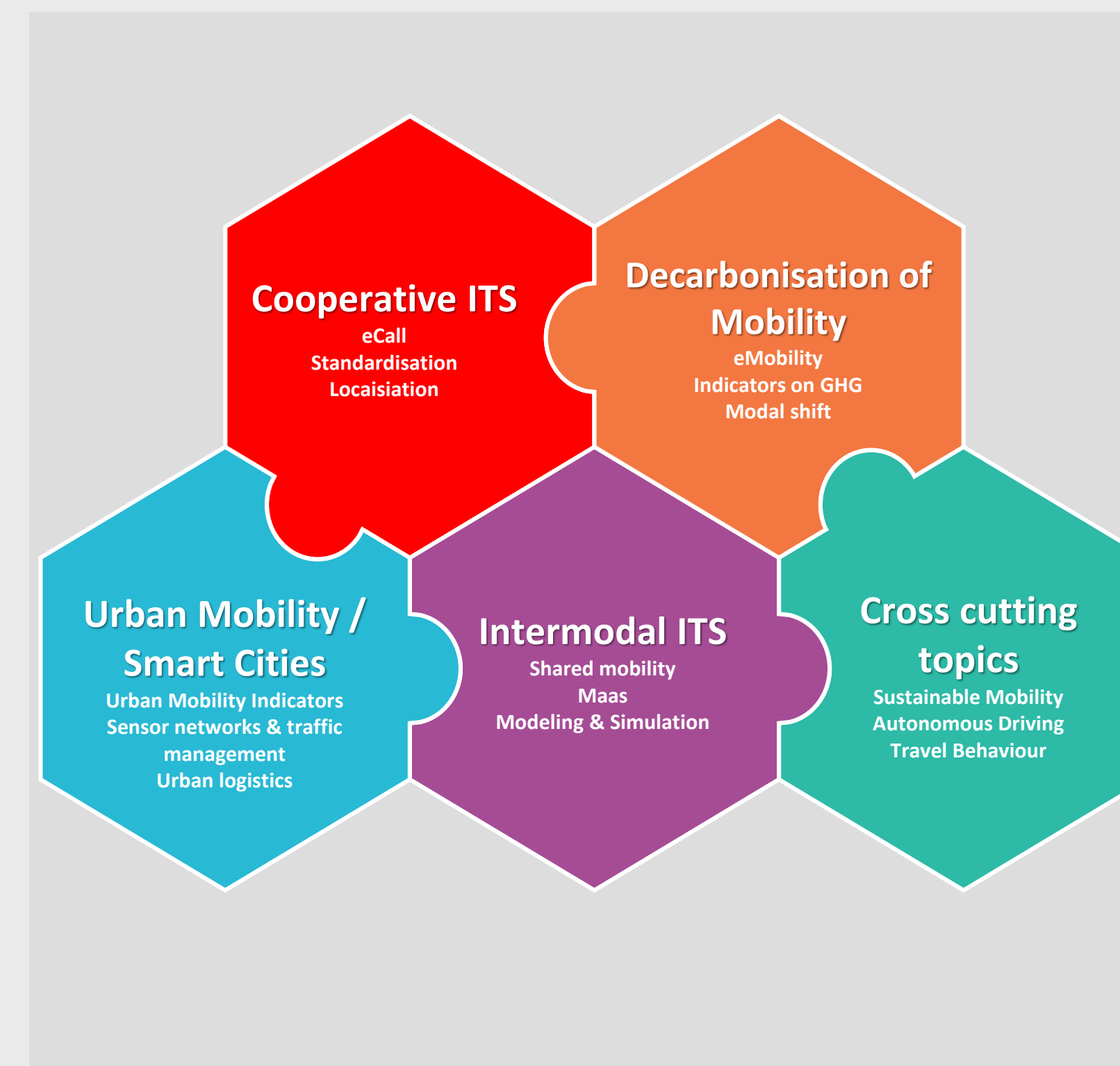
To Contribute to Scientific Excellence in ITS and support regional innovation strategies fostering Economic and social development.

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

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.
- ❑ National and International cooperation will be strengthened with stakeholders, 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.

Main Research & Innovation Themes

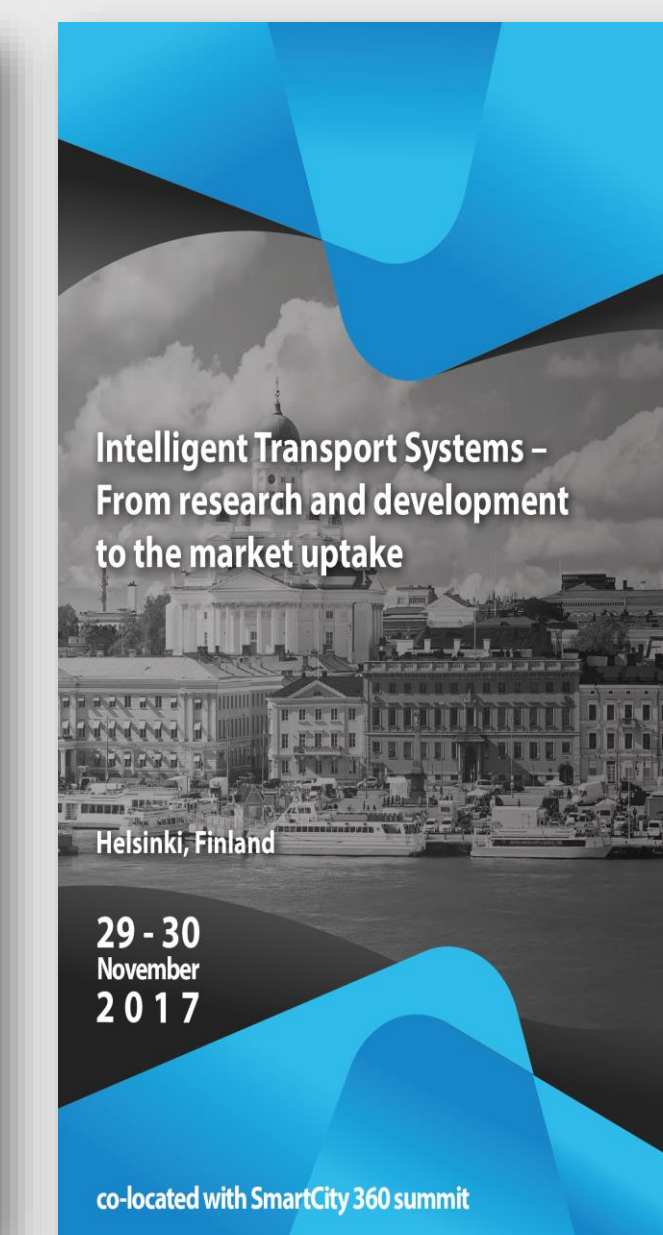


Main Outcomes

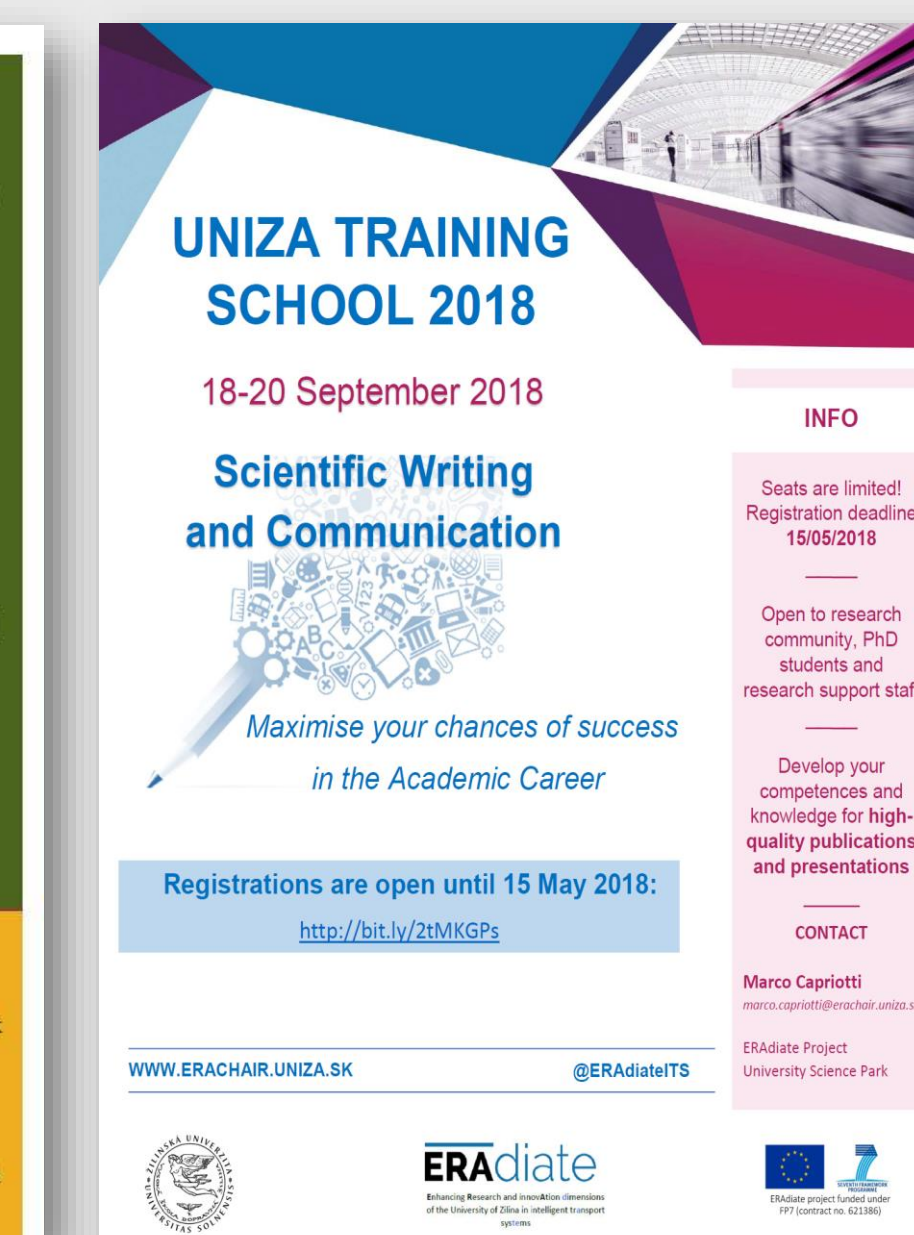
- ❑ Development of research infrastructure
 - Created strong relationship with different types of Stakeholders in the field of ITS, such as EGTTC TRITA, CVTI, the region of Žilina, Global Logic, Siemens, Orange SK and Sygic which led to project proposal and exchange of knowledge.
 - Involvement in 4 COST Actions (**TU1305**-Social Networks and Travel Behaviour, **CA16222**-Wider Impacts and Scenario Evaluation of Autonomous and Connected Transport, **CA15212**-Citizens Science and **TD1408**-Interdisciplinarity in research programming and funding cycles).
- ❑ R&I co-operations
 - Preparation of project proposals (#16),
 - Support for project proposals (#3).
- ❑ ERA knowledge and best practices transfer
 - Education in the field of ITS (Seminars and Lecture series),
 - Support for regional and/or national smart specialisation strategies,
 - Strategic partnerships,
 - Cross-cutting issues covering:
 - Attracting skilled employees and researchers,
 - Quality management,
 - Applying ERA priorities,
 - Internationalisation.

Selected Results

Workshop and Scientific Conference Organisation



Forthcoming Event



Mobility and Time Value (MoTiV) H2020 Research & Innovation Action

www.MoTiVproject.eu

The project activities are based on four pillars:



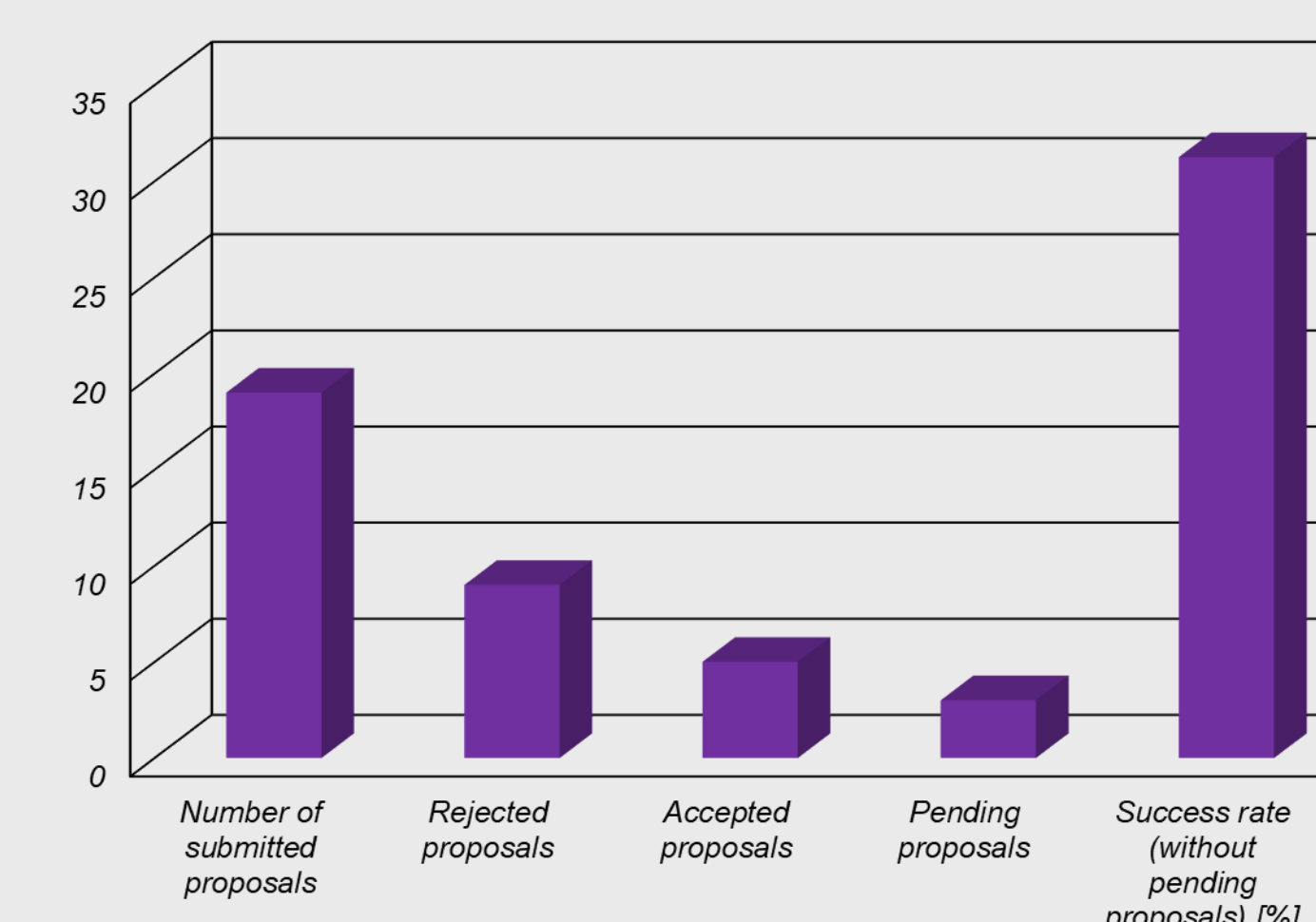
- Conceptual: a **new definition and methodology** for the estimation of value of travel time (VTT).
- Technological: **MoTiV app** used to collect data about travellers' mobility behaviour, with a special focus on the experienced value of time.
- Organisational: European-wide **data collection campaigns**.
- Analytical: **analysis on the changing VTT** from an individual traveller's perspective.

A holistic approach to Value of Travel Time (VTT) estimation

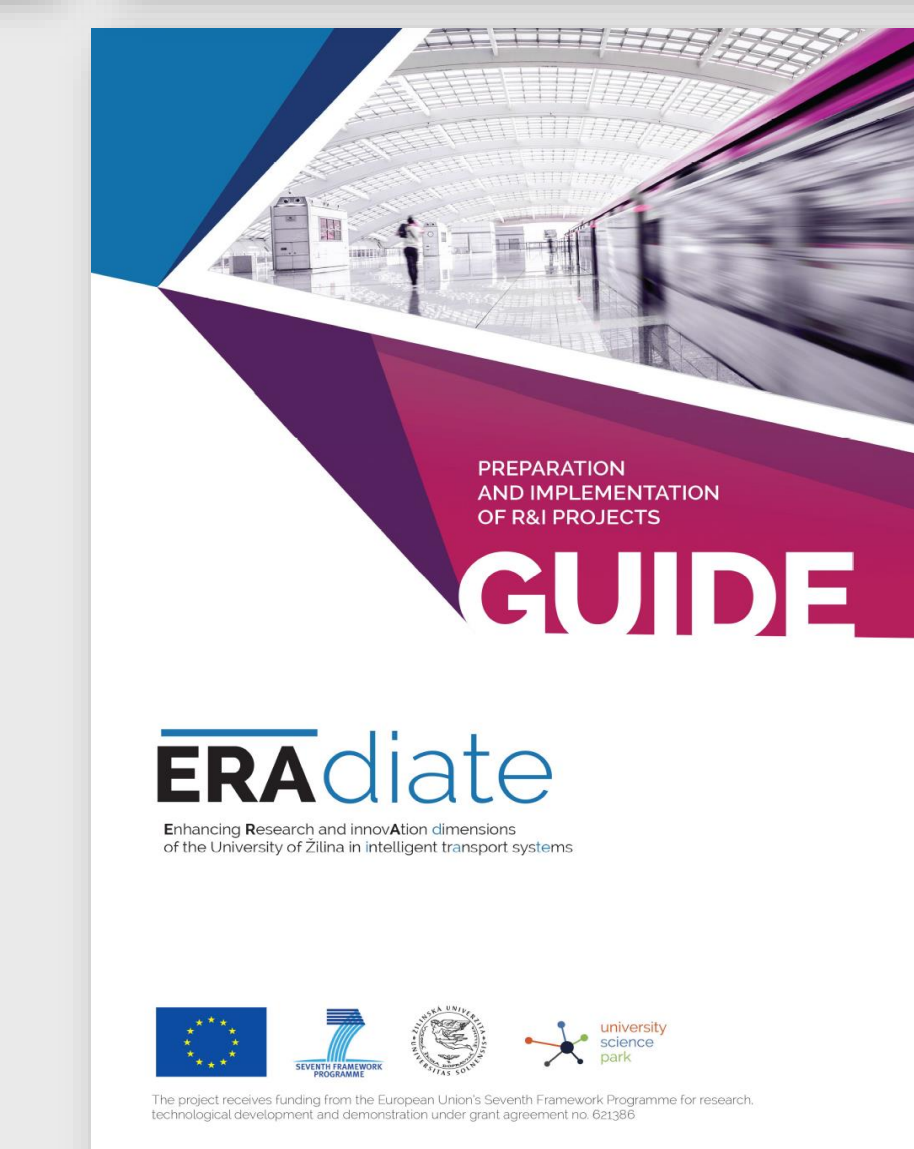
MoTiV addresses the emerging topic of exploring the dynamics of individual preferences, behaviours and lifestyles that influence time use in mobility contexts.

Project title	Funding institution / scheme	Role of UNIZA in the preparation	UNIZA budget (in EUR)
MoTiV (Mobility and Time Value)	H2020 MG-8-5-2017	Coordinator	253.492
SIMMARC (Safety Improvement Using Near Miss Analysis on Road Crossings)	Austrian Research Promotion Agency	Partner	84.460
SENSIBLE (SENSors and Intelligence in Built Environment)	H2020-MSCA-RISE-2016	Partner	211.500
Technical support related to Sustainable Urban Mobility Indicators (SUMI)	EC DG MOVE - Call for tenders MOVE/B4/2017-358	Partner	28.230
Decentralised real-time electric vehicle charging: optimality, fairness and resilience	Lloyd's Register Foundation	Partner	-

ERAdiate International Approved Projects



ERAdiate Performance in R&I Projects [Jan 2018]



ERAdiate Handbook for Preparation and Implementation of R&I Projects