



ERAdiate

Enhancing Research and innovAtion dimensions
of the University of Zilina in intelligent transport
systems

Nové technológie prispievajú k rozvoju dopravnej infraštruktúry

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ERA Chair projekt ERAdiate

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

OBJECTIVES

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

MoTiV

Mobility and Time Value

Téma: MG-8-5-2017
Shifting paradigms:
Skúmanie dynamiky
individuálnych
preferencií, správania a
životného štýlu
ovplyvňujúceho voľby
cestovania a mobility

Trvanie: 30 mesiacov

Začiatok: 1.november
2017



Konzorcium

1. University of Žilina, SK
2. CoReorient, FI
3. European Cyclists' Federation ASBL, BE
4. Fundacio Eurecat, ES
5. INESC ID, PT
6. routeRANK, CH
7. TIS.pt, PT

MoTiV

Mobility and Time Value

- Navrhnuť a overiť koncepčný rámec pre odhad hodnoty cestovného (Value of travel time - VTT)
 - Rozšíriť definíciu VTT nad rámec „ušetrenia času a ceny“
 - Získať poznatky o dôvode/účele cestujúceho – **vnímaná hodnota mobility**
 - Posúdiť, do akej miery IKT, konektivita, dopravná infraštruktúra a služby ovplyvňujú VTT
 - Poskytnúť **odporúčania** pre plánovanie dopravy, dopravných inžinierov, ekonómov a riadiace subjekty v kontexte projektov **pre lepšie využitie dopravnej infraštruktúry**



RouteRANK Journey planner

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Monnaie:

CHF - Franc suisse

Résidence :

Suisse

Langue :

Français

De

À

Retour

Date

Exemple: Bern à Berlin.

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EN SAVOIR PLUS

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Sites reliés: [Comparatiflocationdevoiture.fr](#) - [Location voiture](#)



CoReorient Piggy Baggy



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How does it work?

Easy!



1. Request delivery

Add what, where, when and the price option that fits you.



2. The transporter gets in touch

A suitable driver will contact you within the service or on the phone to arrange details.



3. Door-to-door delivery

Your item will be delivered to where you want it.

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"My library reservations have been biked to me after our local library branch shut down. PiggyBaggy is a quick and



"PiggyBaggy worked very well for home deliveries of K-citymarket. I highly recommend PiggyBaggy as a business partner."



"The home delivery of K-citymarket works perfectly. I've ordered groceries for 4 times. Next hardware store and Ikea"

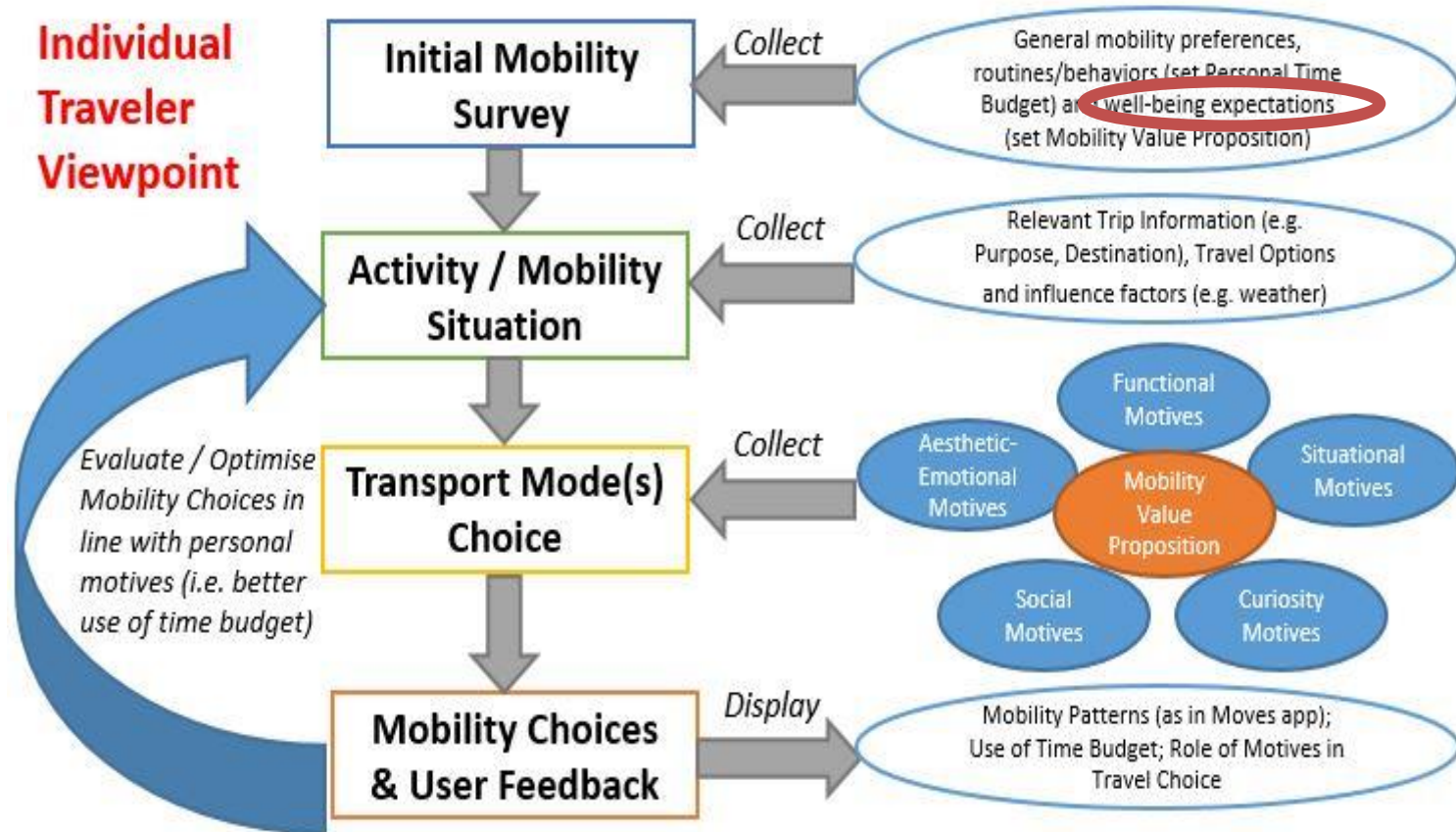


"My Tori.fi purchase table&chairs arrived by the friendliest person across town for just 20 €. I highly recommend PiggyBaggy."

...příklad inteligentných riešení mobility podporujúci princípy **zdieľanej ekonomiky**...



MoTiV koncepčný rámec



MoTiV metodológia a výstupy

- Analýza prostredníctvom zberu dát cez smartfónovú aplikáciu MoTiV

- zber dát v 10 krajinách EÚ
- min. 5.000 používateľov
- používanie aplikácie min. 2 týždne



- Výstupy

- vedecké – stimulácia výskumu VTT
- strategické a ekonomické – úloha IKT pre VTT, plánovanie dopravnej infraštruktúry a služieb, ...



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Ďakujem za pozornosť!
Merci de votre attention !

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<http://www.erachair.uniza.sk/>