Research and Innovation from Today Towards 2050

Passenger mobility at future border checks

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Challenges in EU border control



- Increasing passenger flows at Schengen and non-Schengen borders
- Easier access for EU citizens and frequent travellers
- Enhanced border check and security control (less errors, more efficient...)
- Use of biometric technologies to identify travellers (ethics, privacy, data protection, acceptance, acceptability...)
- Increase of automation in border control (self-service through kiosks, e-Gates...)







Europe's Vision of Border Control



EU "Smart Borders"

 the EC wants easier access and enhanced security by 2020

Smart Border Initiative

- EES Entry / Exit System
- RTP Registered Travellers
 Programme











(BOrdDErGuArd): Proactive Enhancement of Human Performance in Border Control

H2020

• Time frame: 01/06/2015 – 01/06/2018

Budget: 5 M€

Coordinator: VTT, Finland

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Consortium



14 partners from 7 countries

UIC as rail end-users representative































Integrative approach



- Aim: to enhance the border control efficiency without side effects to the end users
- All transport modes: land, air, and maritime
- Travelling experience: waiting time, privacy, acceptability, etc.
- Recommendations for future "Smart Borders" (Schengen Area)















Objectives (1)



- Developing an integrative
 approach with ethical, societal and legal considerations into a set of human, organisational and technical factors
- Constructing a greater understanding of border guard's work and border control (future smart borders)
- Gathering new knowledge about psychological and organisational aspects



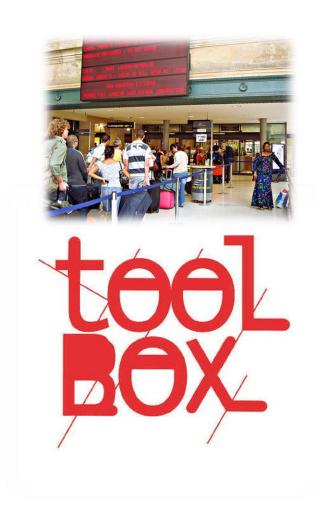




Objectives (2)



- Designing and developing new guidelines, recommendations and specifications
- Developing and validating a useful PROPER toolbox





Field studies (1)





Athens, Rhodos & Thessaloniki airport

Vienna airport

Brussels airport (Charleroi)

Rome airport (Fiumicino)





Brussels Midi - Channel Terminal

Exit Schengen border point (BE & UK border)

Poland - Belarus

Exit Schengen border point



(Belgium)

Entry / Exit Schengen border point





Field studies (2)



Who participates?

- Border guards working at external Schengen Area borders
- Managers, trainers and top managers of border guards
- Security staff involved in the border control process
- European and non-European travellers over 18 years old

What?

Common methodology:

- systematic observations
- interviews
- short surveys

Parallel periodic end-user workshops



Expected results



- Improving the effectiveness of EU border control
- Contributing to the implementation of the "Smart Borders" Initiative (and future regulation) regarding to organisational and Human Factors



• Improving the efficiency and attractiveness of transport by facilitating the flow and border checks of regular travellers



Reinforcing checks while speeding up border crossing for regular travelers



 Optimizing procedures and enhancing the security at the moment of the crossing of the EU external borders



 Proactively target the needs and requirements of users, such as border management decision-makers, border guards and citizens (regular travellers)



Further information



Project webpage

http://www.bodega-project.eu/

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