

# 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

[www.bodega-project.eu](http://www.bodega-project.eu)

# 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**



**tool  
BOX**



# Field studies (1)



**Athens, Rhodes & Thessaloniki airport**  
**Vienna airport**  
**Brussels airport (Charleroi)**  
**Rome airport (Fiumicino)**



**Rhodos seaport (Greece)**  
**Ostende, Zeebruges or Nieuport seaport (Belgium)**



**Brussels Midi – Channel Terminal**  
Exit Schengen border point (BE & UK border)  
**Poland – Belarus**  
Exit Schengen border point



**Greece (Kakavia)**  
**Poland – Belarus**  
**Romania?**  
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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