BODEGA research project in the perspective of the EU “Smart Borders” Initiative

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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
# Field studies

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<thead>
<tr>
<th>AIR</th>
<th>MARITIME</th>
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<tr>
<td>Athens &amp; Rhodos airport</td>
<td>Port of Piraeus &amp; Rhodos (Greece)</td>
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<tr>
<td>Vienna airport</td>
<td>Port of Ostande, Zeebruges or Nieuport (Belgium)</td>
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<td>Charleroi airport Brussels</td>
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<thead>
<tr>
<th>RAIL</th>
<th>ROAD</th>
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<tr>
<td>Brussels Midi – Channel Terminal</td>
<td>Greece?</td>
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<td>Exit Schengen border point</td>
<td>Romania?</td>
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<td>Poland – Belarus</td>
<td>Entry / Exit Schengen border point</td>
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<td>Exit Schengen border point</td>
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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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