



## **FastPass**

# Automated Border Control as Challenging Combination of Various Security Technologies

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## Overview

- Introduce AIT
- What is "Automated Border Control (ABC)"?
  - Motivation for the employment
  - Motivation for the research
  - Overview of installations/systems
  - Stakeholders
- What is the FastPass project
  - Objectives
  - Research topics
  - Consortium
  - Outline

#### 27.06.2014







## Overview

- Security technologies involved
  - Passport scanning
  - Surveillance
  - IT-Security
  - Biometrics
- System view
  - System of systems
  - Data protection impact assessment
  - Privacy impact assessment
  - Security assessment
- Scenarios for different border crossing types
- In practice....

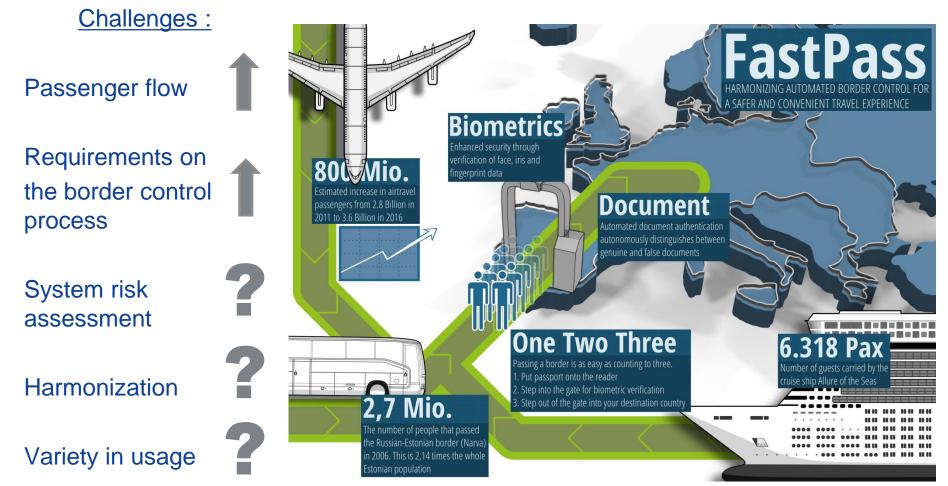
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#### **Motivation**



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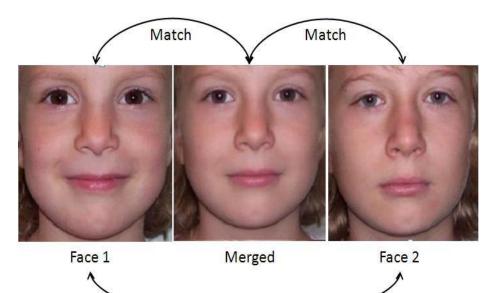






### Why do we need research on ABC?

- Current systems have not been security evaluated
  - Passport security features are only partially checked
  - Biometric spoofying is not fully adressed
  - Passport document lifecycle is not fully adressed



No Match







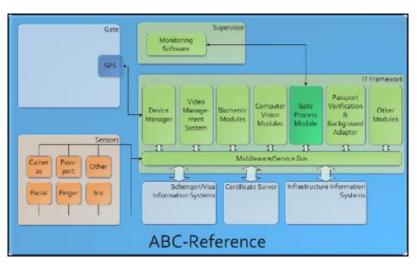




#### Why do we need research on ABC ?

#### Current systems are limited

- No usage by third country nationals
- No usage by frequent travellers
- No usage beyond air travel
- No or weak integration into infrastructure processes



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### Why do we need research on ABC ?

- Current systems are not developped around the user
  - No harmonized usage
  - No customer interaction and satisfaction management
  - Human factors are not analyzed and considered
  - Privacy issues are not properly addressed



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## FastPass What is FastPass ?

FastPass develops:

- a harmonized, modular reference system for all automated border crossing points
- by an user-centric approach and
- eventually serves as an industry standard for the implementation of ABC

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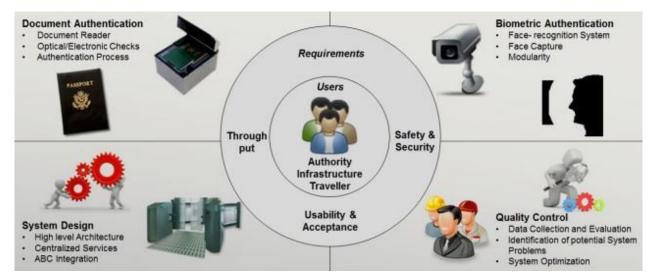






#### The FastPass Project

- Project start: 1.1.2013
- Project duration: 4 years
- Funding: EU FP-7 Security
- Coordinator: AIT Austrian Institute of Technology
- Further info: <u>www.fastpass-project.eu</u>



#### Key element: The users are in the center of innovation!

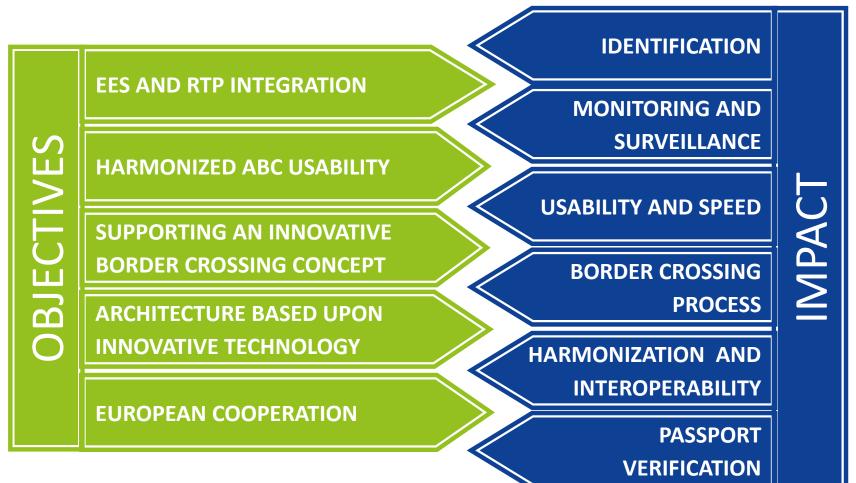
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#### **FastPass Objectives**



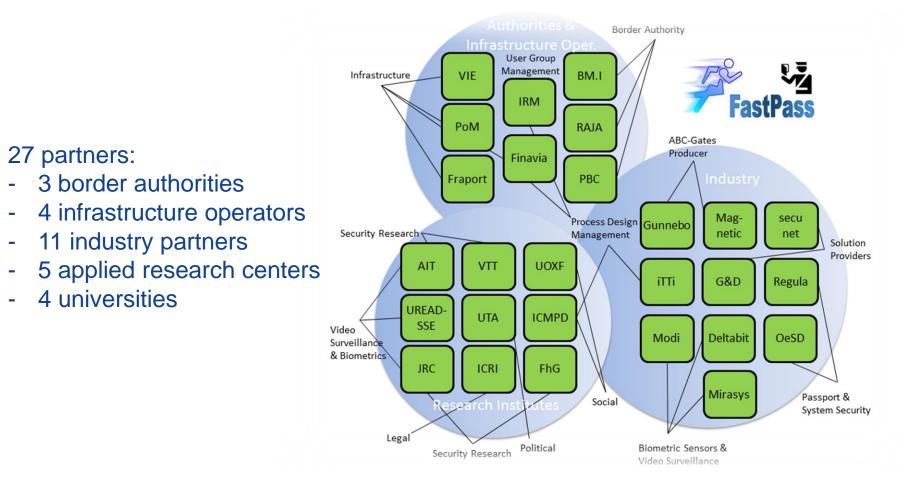
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### FastPass Consortium

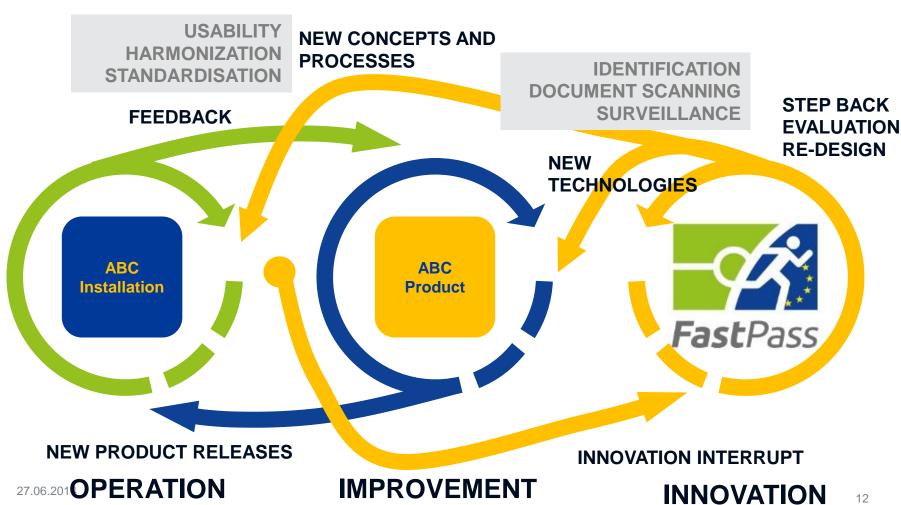


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## Thank You !

# Contact information <u>www.fastpass-project.eu</u> Email: FastPassCoordinator@ait.ac.at

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