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FastPass

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FastPass

What is FastPass?

FastPass develops

- a harmonized, modular reference system for all automated border crossing points
- from a user-centric approach that
- eventually serves as an industry standard for the implementation of eGates.





Motivation

Challenges:

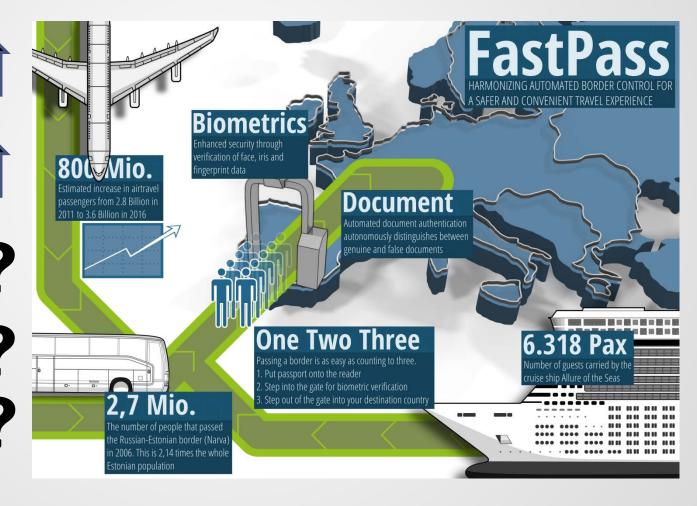
Passenger flow

Requirements on the border control process

System risk assessment

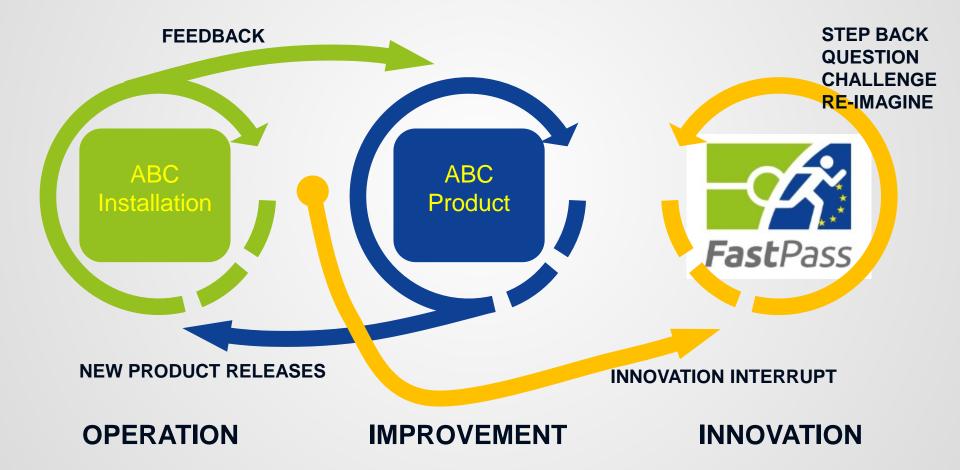
Harmonization

Variety in usage





ABC from science to solutions



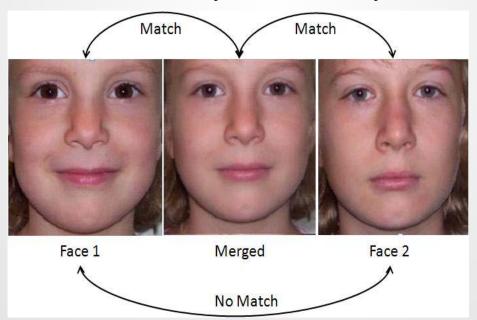
TOMORROW TODAY





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





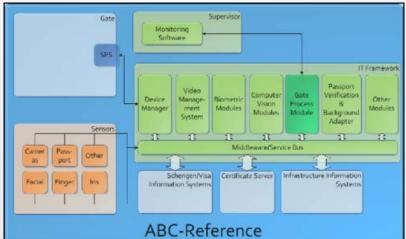




Why do we need research on ABC?

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







FastPass Why do we need research on ABC?

- Current systems are not developed around the user
 - No harmonized usage
 - No customer interaction and satisfaction management
 - Human factors are not analysized and considered
 - Privacy issues are not properly adressed







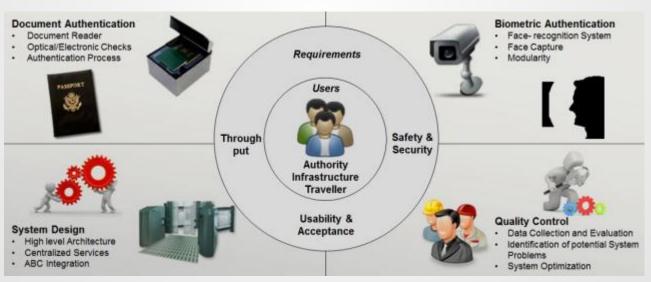
The FastPass Project

Project start: 1.1.2013

Project duration: 4 years

Funding: EU FP-7 Security

Coordinator: AIT Austrian Institute of Technology

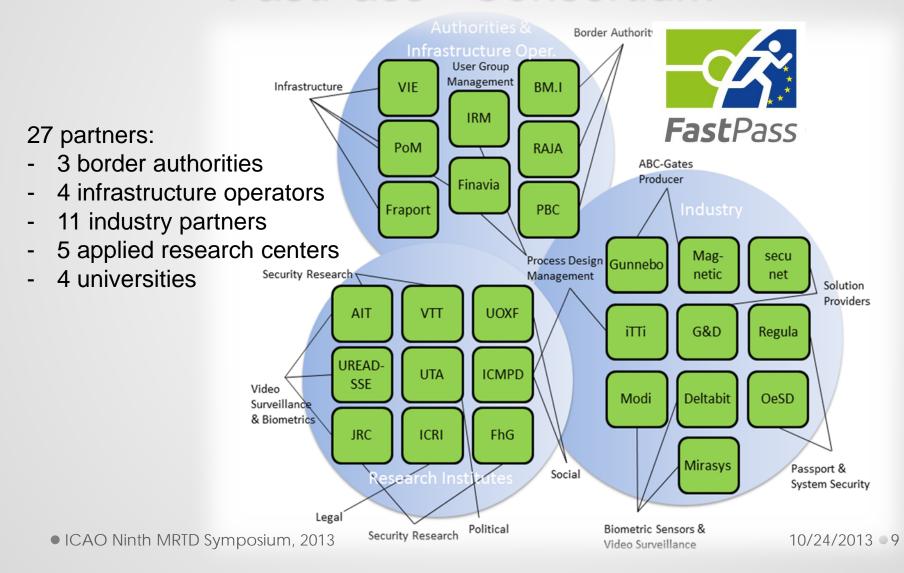


Key element: The users are in the center of innovation!





FastPass - Consortium







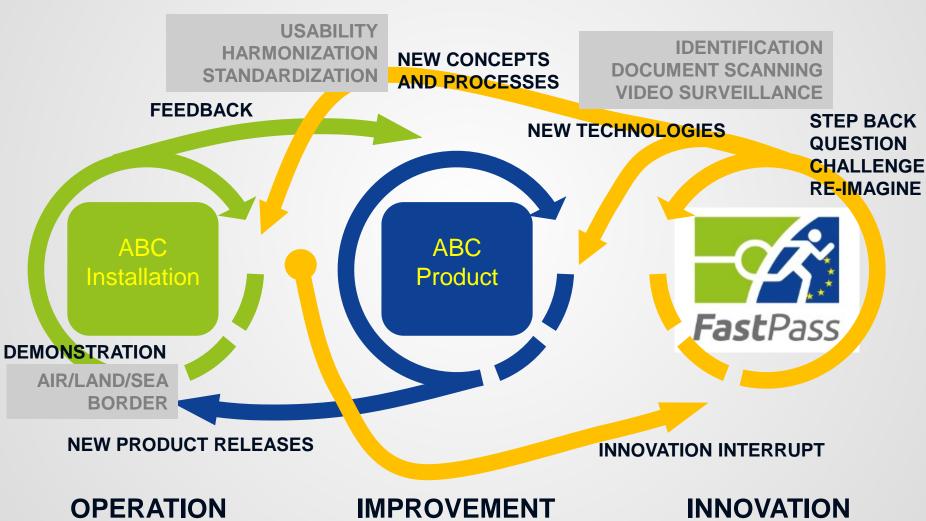
FastPass Objectives

IDENTIFICATION EES AND RTP INTEGRATION MONITORING AND SURVEILLANCE HARMONIZED ABC USABILITY MPAC⁻ **USABILITY AND SPEED SUPPORTING AN INNOVATIVE BORDER CROSSING CONCEPT BORDER CROSSING** OBJ **PROCESS ARCHITECTURE BASED UPON INNOVATIVE TECHNOLOGY** HARMONIZATION AND **INTEROPERABILITY EUROPEAN COOPERATION PASSPORT VERIFICATION**





ABC from science to solutions

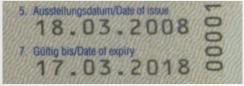






First key findings

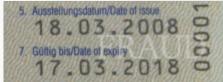
- Dependability management as key element of a successful deployment
- Document security in the age of ABC



(a) Original

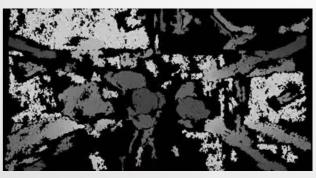


(b) Rotated by 0.3 degrees,



(c) Text overlaid

Video surveillance as added value to ABC systems



(a) Depth image (top view camera) (b) video stream with person separation





THANK YOU www.fastpass-project.eu Contact Information F-mail:

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