

# Risk-based security in context

## Present and future of border management

Athens, 29-Oct-2015  
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# EU Schengen Borders – a snapshot of today



# Borders of the Schengen area

## Key facts

**Borders**

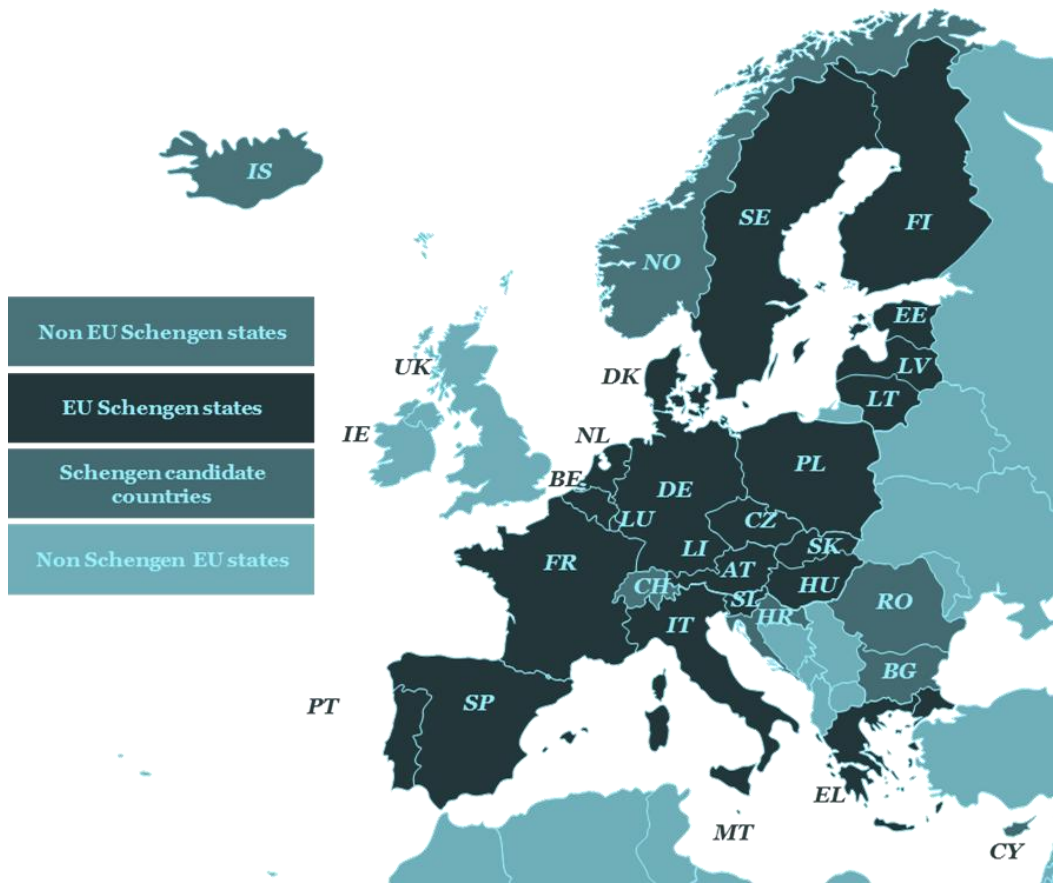
- 7 721 Km of **land borders**
- 42 673 Km of **maritime borders**
- 644 **air border** crossing points
- 26 **countries**

**Travellers**

- **1.25 billion border crossings per year**
- **191 million border crossings by Third Country Nationals (TCNs) per year today – 302 m by 2025**
- **≈50 million of Third Country Nationals (TCN) today – 76 m by 2025**

**Economy**

- **TCN contributed to €271 billion to EU economy in 2011**



# Borders of the Schengen area

## *Border management today*



- Border checks and calculation of the duration of stay relies on mostly **manual processes**



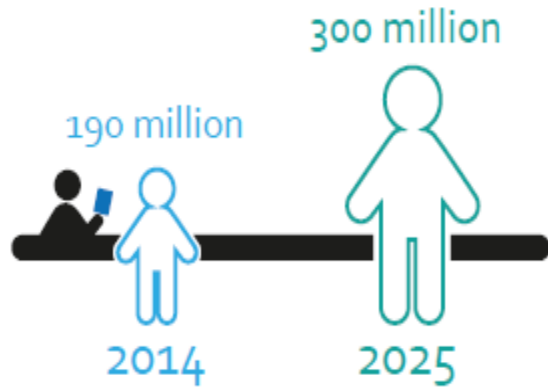
- **Over-stayers** could destroy their passport with the entry stamp to make impossible to check their **identity and** calculate the effective stay



- Limited possibilities of **automation and common standards**

# Borders of the Schengen area

## *Outlook to the future*



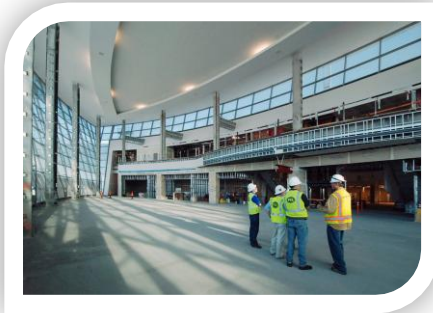
- It is expected that by **2025** the number of travelers from non-European Union countries crossing the borders of the Schengen Area will have almost **doubled** – to some **300 million crossings per year** – compared to today



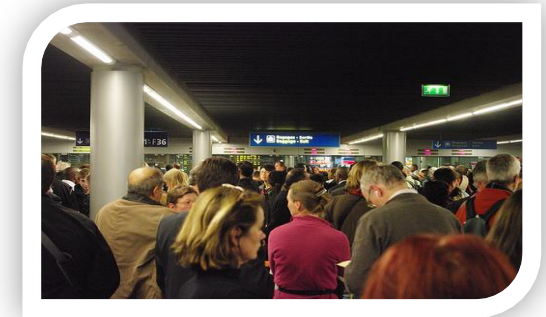
# Borders of the Schengen area

## *Choices of response*

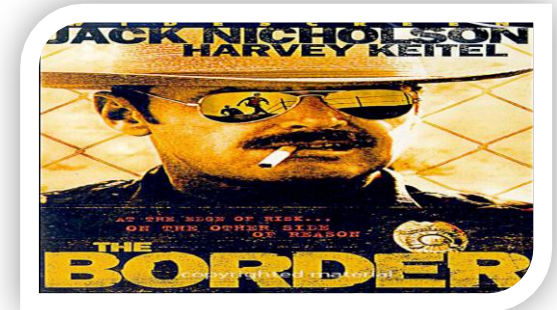
Let travellers to wait longer to enable border guards to perform all checks as today or...



... Expanding airports, harbours and land border crossing points...



...and add more specialised human resources to handle higher number of travellers faster.



***Or instead, to use capability of modern technologies at all types of borders to address the challenge.***

Shaping the future today





# Transformation of Border Management



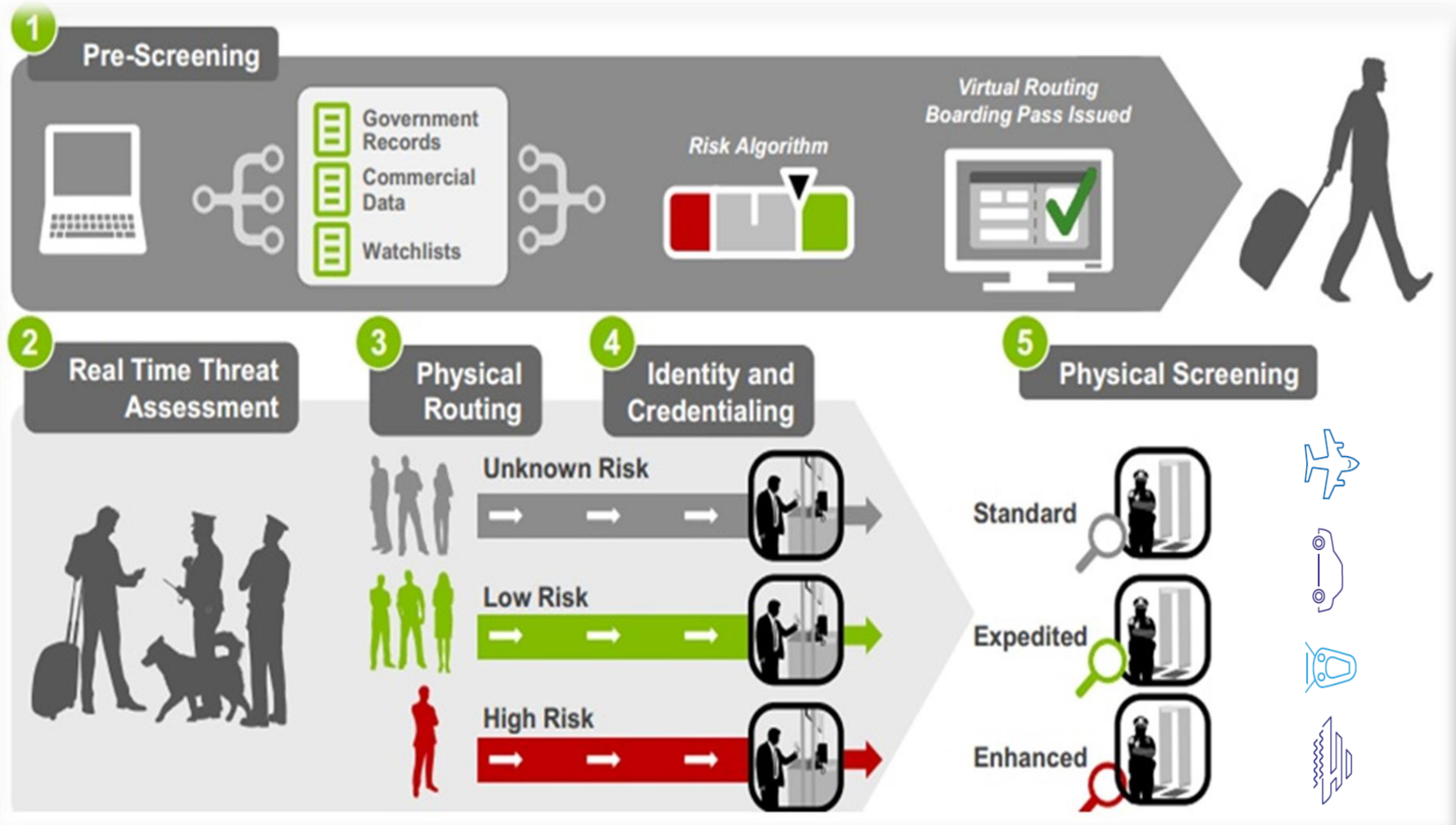
**Shift from physical to virtual**

**Information driven**

**Risk-based**



# Concept of risk-based border management



Source: Deloitte Consulting, 2014

# Present and future...



Smart Borders



# Expectations towards Smart Borders



Better traveler's experience

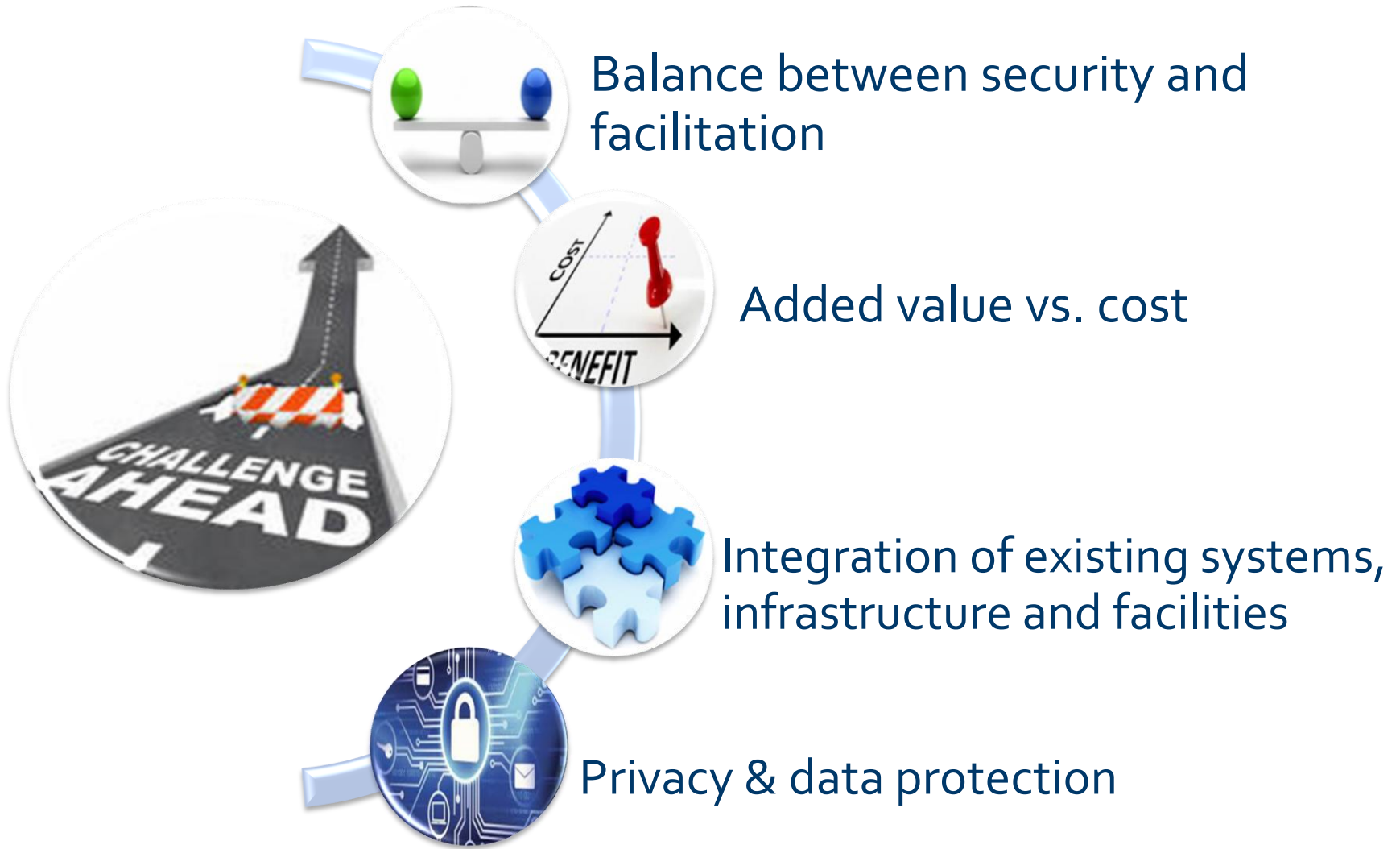


Better efficiency of border control process

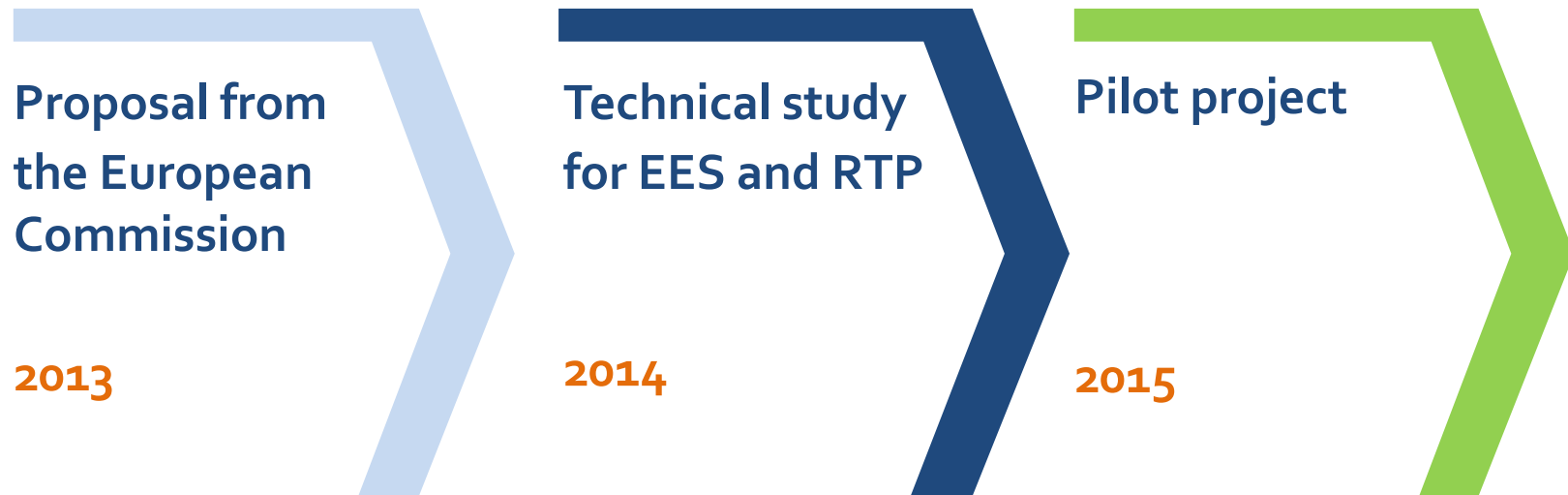


Positive impact on internal security

# Strategic challenges



# Smart Borders developments to date



# Smart Borders Pilot

The **main objective** of the Pilot was to **test in real environment** a **limited technical options** identified within the **technical study** for EES and RTP with regards to:

- Impact on the border management processes
- Accuracy
- Effectiveness

**1**

**Design**

Sep 2014 – Feb 2015

**2**

**Execution**

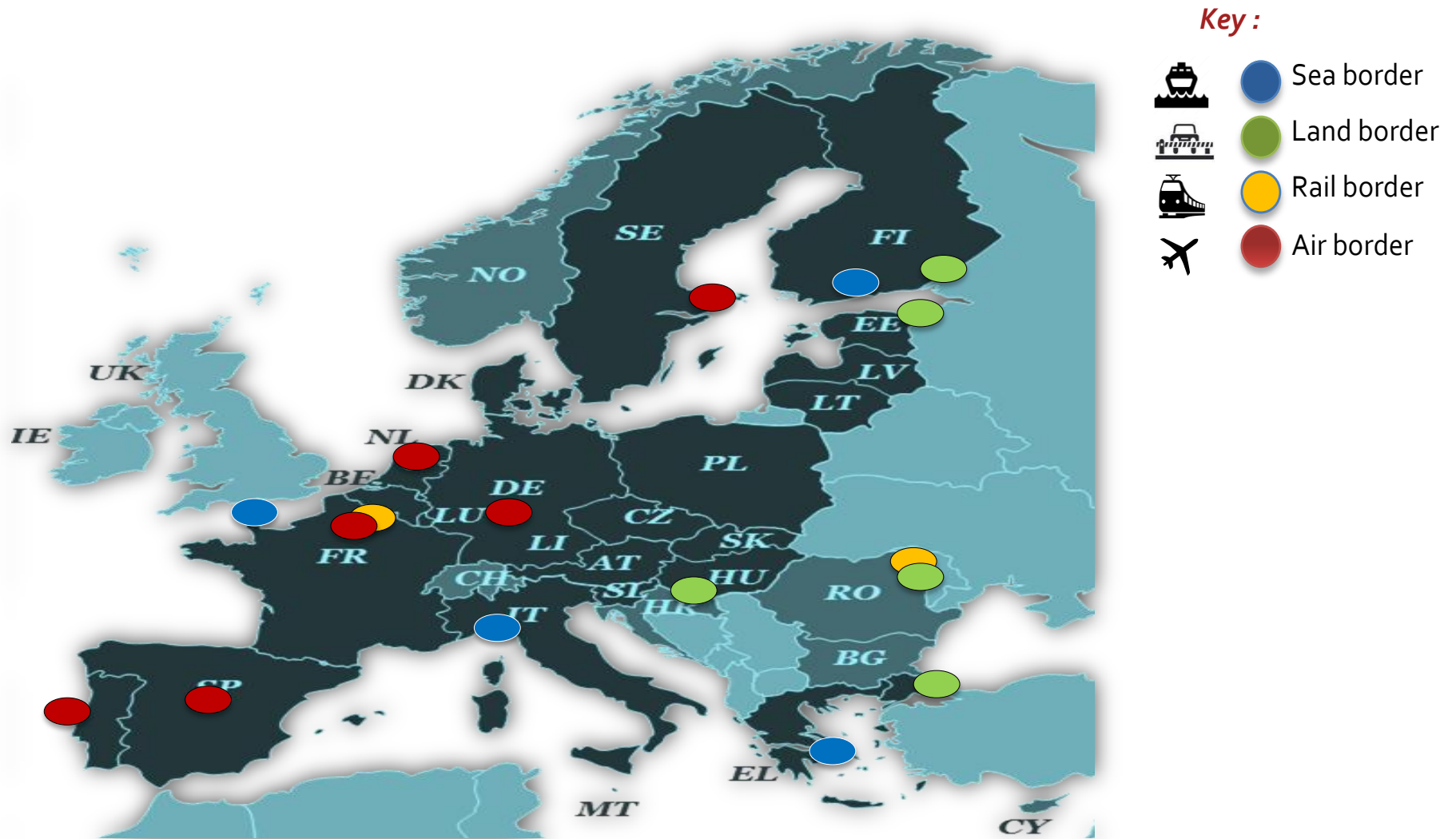
Mar 2015 – Sep 2015

**3**

**Reporting**

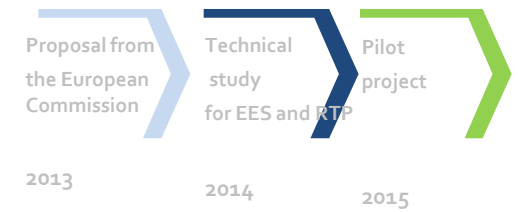
Oct 2015 – Nov 2015

# Pilot execution





# Smart Borders – next steps



# Critical success factors



Alignment of legislation  
and technology



Stakeholder  
engagement



Trust &  
Privacy by  
design

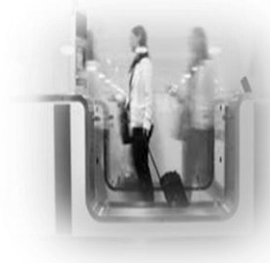
Beyond Smart Borders...



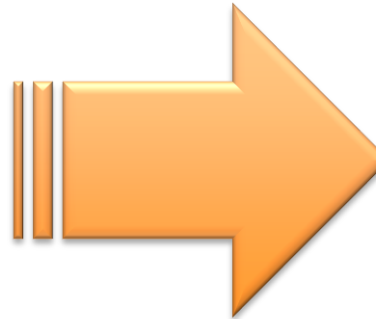
# What next ?



Today



Smart  
Borders



One stop  
security shop



Security  
on-demand



Analytics  
and data  
mining

# 3 key enablers of the future





# Thank you !