



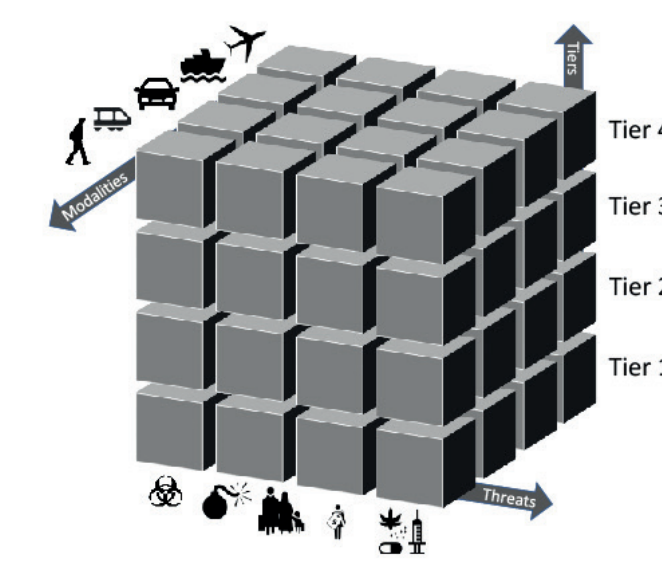
robust Risk basEd Screening and alert System for PASSengers and luggage

TRESSPASS is a 42 month Innovation Action starting in June 2018 and ending in November 2021, with 22 partners from across Europe forming a strong consortium of market-leading companies, innovative and highly specialized SMEs, renowned public research institutes and a substantial cluster of operations experts and End Users.

The **TRESSPASS** project includes air, maritime and land BCPs and travel routes that combine different modalities by importing the idea of “Risk based” security checks and proposing an analytic framework for modelling risk as well as a systematic approach of quantifying risk, based on a set of indicators that can accurately be measured across all four tiers of the Integrated Border Management.

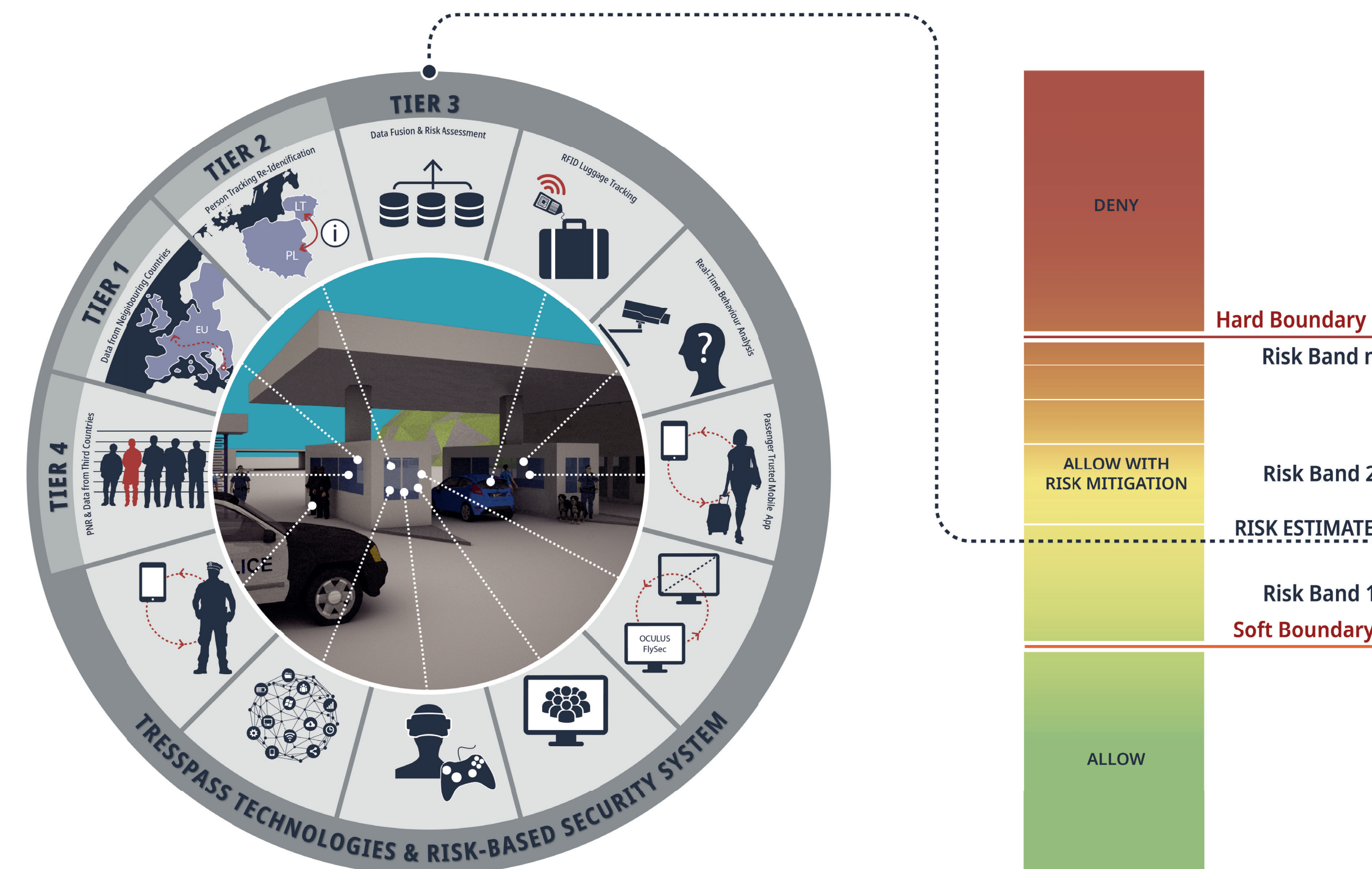
- measures undertaken in, or jointly with third countries or service providers;
- cooperation with neighbouring countries;
- border control and counter-smuggling measures, and
- control measures within the area of free movement.

Concerning modalities, **TRESSPASS** includes air, maritime and land (including foot, car, train, and -if it develops-hyperloop) Border Crossing Points and specifically travel routes that combine different modalities. Concerning threats, this includes smuggling, irregular immigration, cross border crime, and terrorism, including threats to the transport itself it excludes other threats such as posed by state-actors, and it excludes bulk cargo.

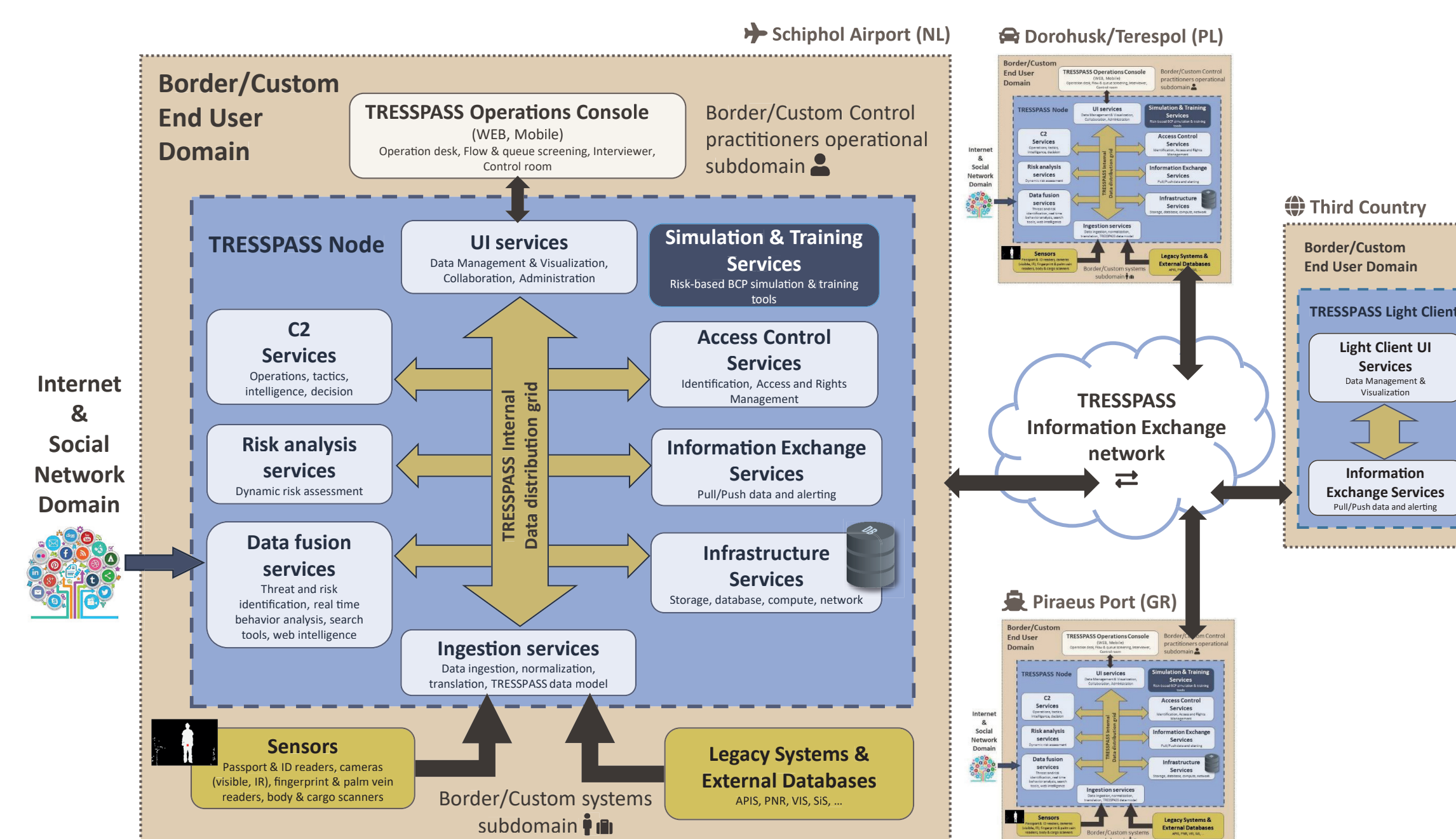


Moreover, **TRESSPASS** includes a unique combination of high-impact EU border crossing settings, covering all modalities: land, air and maritime and all tiers of EU's border access control model. The overall scope of **TRESSPASS** is to modernize the way the security checks at BCPs are held out by implementing the project objectives:

- Develop a single cohesive risk-based border management concept
- Apply an ethics and data protection “by design” approach
- Include passenger trust in risk management model and perform sensitivity analysis and optimization
- Develop three pivoting pilot demonstrators
- Demonstrate the validity of the single cohesive risk-based border management concept
- Prepare for the further development of this concept



The **TRESSPASS** solution consists of a suite of services offered by the **TRESSPASS** Node. This node offers an enhanced situational awareness for border control practitioners and offers an improved risk-management coordination and cooperation among them. **TRESSPASS** Nodes will be deployed and integrated in every local environment of the three pilots. From cooperation between two or more **TRESSPASS** Nodes the requested international alert system will emerge.



The **TRESSPASS** system will elevate the process and security to new levels, by collecting data, fusing and analyzing them, making the appropriate risk analysis and feeding the C2 system to support the decision of the border officers. **TRESSPASS** will integrate a complete architecture of Information Exchange and Alerting services to enable international cooperation. These services allow the exchange of well-defined security entities (Risk, Alert, Anomaly, Object, etc) and alerts among **TRESSPASS** nodes (airports, ports, border crossing points, etc.)

Pilot Use Cases:

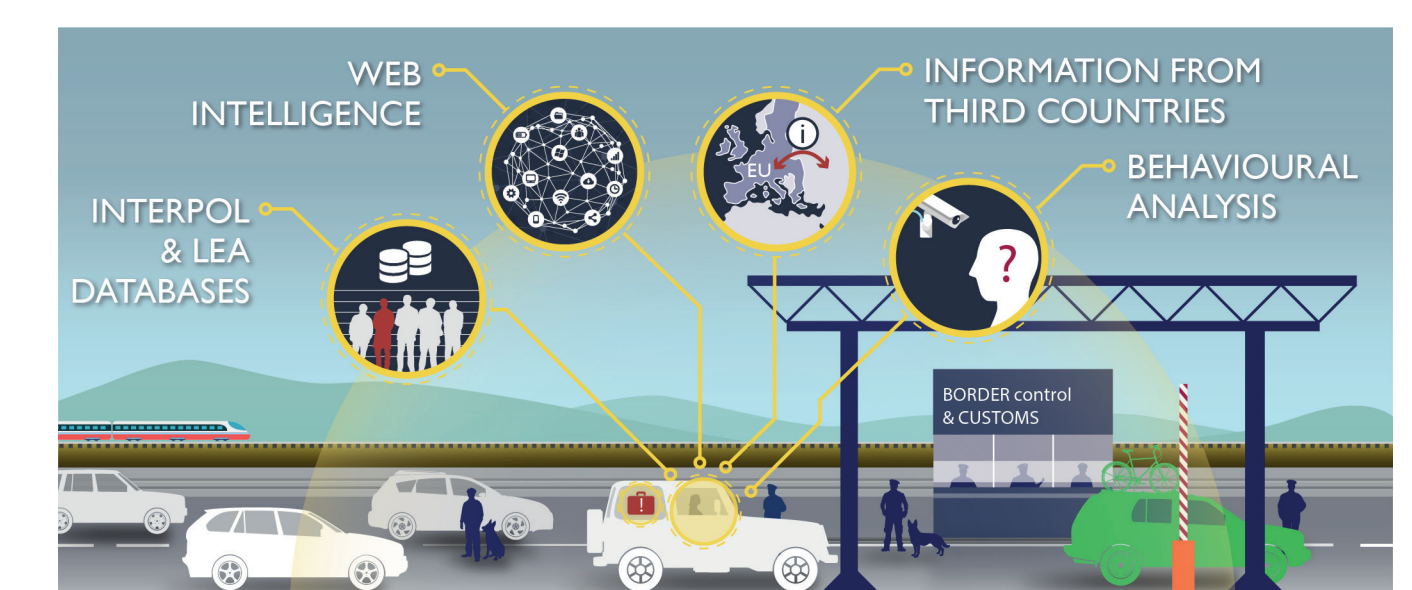
The Air BCP Pilot: October 2020

Risk based border crossing at Amsterdam Schiphol International Airport, focusing on shaping risk based border control with available in advance information and information regarding behaviour at the airport.



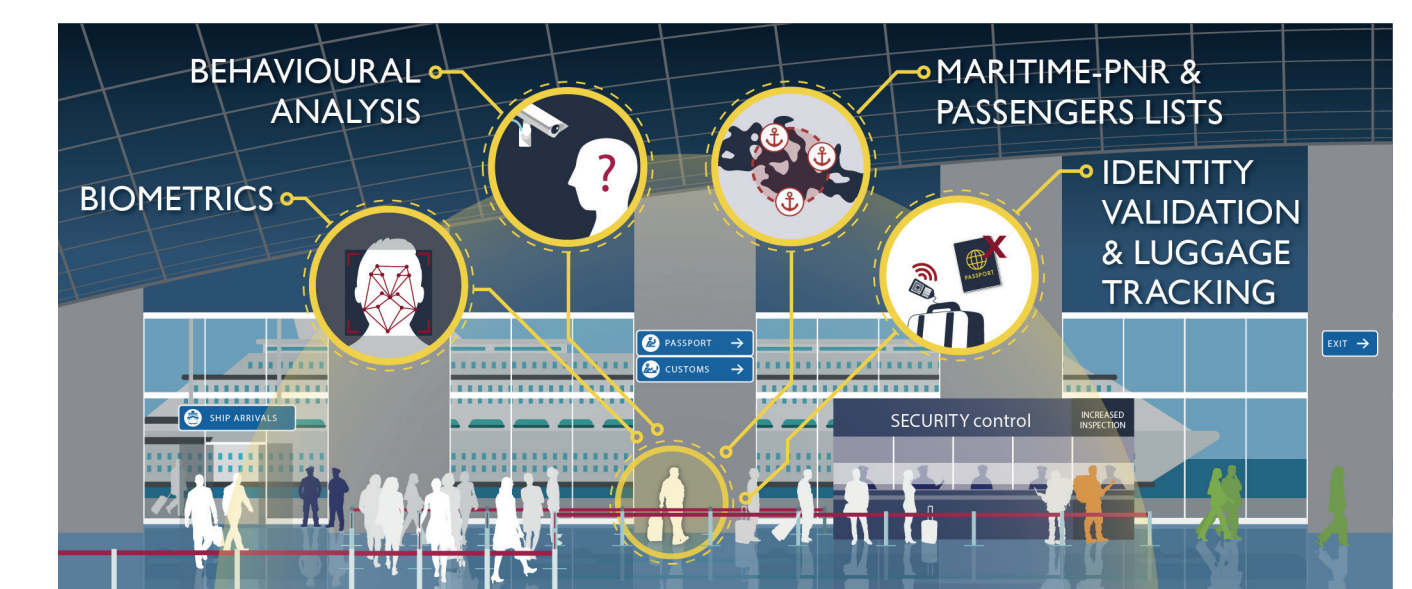
The Land BCP Pilot: March 2021

Land border risk based screening within Nadbużański Regional Unit of Polish Border Guard, aiming to introduce innovative concepts, for detection of cross border smuggling of goods, illegal migration and document forgeries.



The Sea BCP Pilot: July 2021

Cruise travelers risk based screening at Piraeus Cruise Port aiming to introduce a Maritime – PNR to be integrated and inter-operated with Airlines PNR as to provide a common operating picture based on Risk based screening among all competent authorities.



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End Date : 30 November 2021

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