

D10.7 Project flyer (final)

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TRESSPASS

robusT Risk basEd Screening and alert System for PASSengers and luggage is funded by the Horizon 2020 Framework Programme of the EU for Research and Innovation.

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Abstract

This deliverable documents the design of the final version of the TRESSPASS flyer based on its initial version (D10.2) that comes as output from the evaluation (pilot) activities of the project. The project flyer aims to reflect the innovative TRESSPASS BCP concept through an integrated system methodology and architecture, establishing it as a key component in the TRESSPASS Dissemination and Communication strategy since it ensures that the project is properly publicized and its results are visible. It is comprised of five sections: Introduction to TRESSPASS, Concept and Methodology, System Architecture, Field Test Demonstrations, Project and Contact information.



Project Information

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	PASSengers and luggage		
Project Acronym	TRESSPASS		
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List of Acronyms and Abbreviations

ACRONYM	EXPLANATION
ВСР	Border Crossing Point
EU	European Union
FAQ	Frequently Asked Questions
PNR	Passenger Name Record
TRESSPASS	robusT Risk basEd Screening and alert System for PASSengers and luggage



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1 PROJECT OVERVIEW

Risk-based border management is about using border crossing points (BCPs) as a risk management measure that supports flow, border and national security. As such, border management is an essential element in a toolbox for mitigating a wide range of risks. Risk-based approaches are typically used to select risk measures that are more proportional to the actual threat, while maintaining or even reducing the remaining risk: relaxed if possible, more stringent when needed. This implies that for individuals that pose no significant threat, invasive checks at border crossing points can be limited. This should lead to less and shorter interruptions in the flow of people and goods, more freedom for passengers and less additional personal data (w.r.t. data already collected before arriving at the border crossing point) that must be transferred at those points. It is expected that this holds for the vast majority of people and goods.

With regards to innovation for risk-based border management, the selection of the scope is a fundamental and far-reaching decision. Most risk-based border management concepts so far have opted for a limited scope in terms of threat (e.g. only irregular immigration), modality (e.g. only air) or tiers (e.g. only border control). However, threats have evolved to be more adaptive and flexible in their modi operandi because adversaries have demonstrated that they choose, what they perceive at that moment as, the easiest path that with the highest probability leads to the best (for them) outcome. Due to e.g. radicalization and a growing understanding of the links between terrorism, international organized crime and other types of crime, the perception of a threat that a single passenger may pose to the security of EU member states and their inhabitants can also vary over time. Therefore, a new approach is required that links these existing risk-based approaches into a multi-threat, multi-modality and four tier risk-based border management system-of-systems. This creates the four-dimensional space in which risk-based border management organisations operate today, and in which the scope of this proposal is defined.

TRESSPASS includes all four tiers of the EU's Integrated Border Management access control model: (1) measures undertaken in, or jointly with third countries or service providers; (2) cooperation with neighbouring countries; (3) border control and counter smuggling measures, and (4) control measures within the area of free movement.

TRESSPASS will leverage the results and concepts implemented and tested for airport security within the H2020 FLYSEC and FP7 XP-DITE projects and for land border control in H2020 iBorderCtrl project, and expand them into a multimodal border crossing risk-based security solution within a strong legal and ethics framework. The TRESSPASS Consortium has been the Coordinator of all XP-DITE, iBorderCtrl and FLYSEC projects, and includes technical partners that bring on board an extensive experience in complex security projects and a roster of end users representing all three BCP modalities: air, sea and land, including customs. The TRESSPASS solution will be tested "in-vitro" with extensive simulations and was tested "in-vivo" in three carefully designed pilot scenarios and field tests.

TRESSPASS:

- (1) Develops a single cohesive risk-based border management concept.
- (2) Applies an ethics and data protection "by design" approach.
- (3) Includes passenger trust in risk management model and performs sensitivity analysis and optimization.
- (4) Develops three pivoting pilot demonstrators.



- (5) Demonstrates the validity of the single cohesive risk-based border management concept by using red teaming and simulations.
- (6) Prepares for the further development of this concept beyond this project by linking to other known risk-based border management projects (in and outside the EU, within EU research frameworks and on national levels), and describe how their results contribute to a single cohesive risk-based border management concept.



2 Introduction to the TRESSPASS FLYER

The project flyer aims to reflect the innovative TRESSPASS BCP concept through an integrated system methodology and architecture, establishing it as a key component in the TRESSPASS Dissemination and Communication strategy since it ensures that the project is properly publicized and its results are visible.

Beginning with a consistent strategy to properly communicate the TRESSPASS project objectives and finally to accurately disseminate its results and impact to society, the outcome is a clear and cohesive format with a reader friendly design complimentary to the TRESSPASS brand and style.

The flyer will be communicated through four dissemination channels: a) special platforms, b) online and electronic dissemination, c) non electronic dissemination and d) interactive and new media. It will be used for project purposes (workshops, presentations) and distributed at informative and networking events (conferences, exhibitions) since it details key facts and information of TRESSPASS, its objectives and its results for both consortium partners and the public.

The flyer is available on the TRESSPASS project Web portal for free download here.

The flyer, apart from the English version, it will be translated to the languages of other participating countries, in order to reach even more the respective audiences. An example is given in Annex A.



3 LAYOUT AND FORMAT

The flyer dimension is A5 folded and has a clear and cohesive format throughout with a reader friendly design complimentary to the TRESSPASS brand and style. It is comprised of five sections: Introduction to TRESSPASS, Concept and Methodology, System Architecture, Field Test Demonstrations, Project and Contact information.

The cover page (Figure 1) contains a brief introduction to the project and the TRESSPASS consortium by describing the proposed Risk Based Security screening concept at BCPs that can be implemented across all 4 tiers of EU Integrated Border Management through the 3 modalities of land, air and maritime.



FIGURE 1 TRESSPASS FLYER COVER PAGE



The cover page also includes the logos of the 22 TRESSPASS partners and the EU logo with acknowledgement for project funding (Figure 2), which can also be found in the back cover.



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FIGURE 2 TRESSPASS FLYER EU ACKNOWLEDGMENT

The interior of the flyer accurately describes the TRESSPASS concept in regards to the 3 modalities of air, maritime and land, which takes into account different travel routes (combing modalities), travel phases, and various threats such as smuggling, terrorism etc. The TRESSPASS scope of modernizing how security checks at BCPs are implemented is incorporated through the project objectives which are integrated into the methodology to be applied via the 3 field tests (Figure 3).

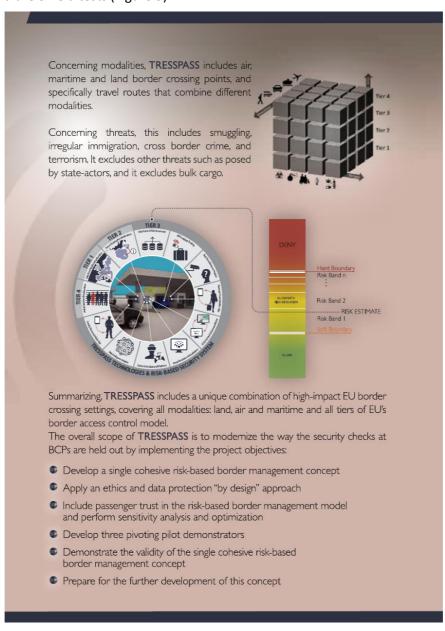


FIGURE 3 TRESSPASS FLYER INTERIOR 1/4



The second page of the interior describes the breakdown of the TRESSPASS system architecture, while taking into account the Information Exchange Network for the 3 Field Tests, therefore resulting in the TRESSPASS integrated system solution. The TRESSPASS system will allow for an integrated architecture of Information Exchange and Alerting services as to enable international cooperation, which leads to a modernized way security checks at border crossing points (BCPs) are held out (Figure 4).

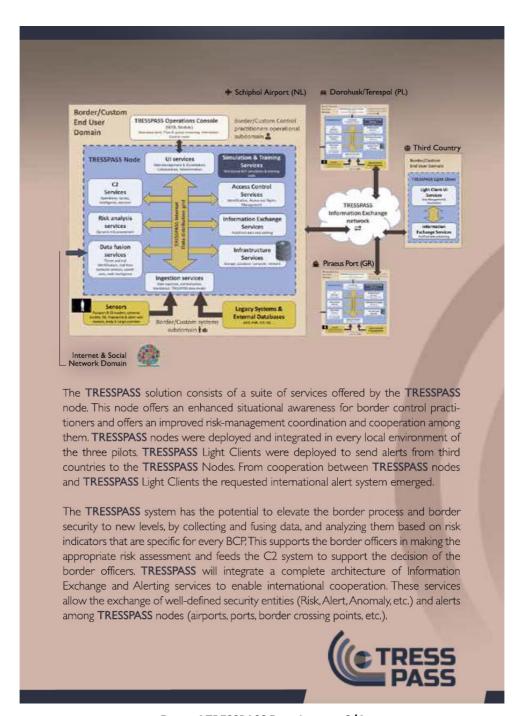


FIGURE 4 TRESSPASS FLYER INTERIOR 2/4

The next two interior pages of the flyer present the outcome from all TRESSPASS pilots (Figure 5 and Figure 6). Specifically:



The Air BCP pilot, demonstrated risk based border crossing with the involvement of the Amsterdam Schiphol International Airport and Lelystad Airport, focusing on shaping risk based border control with available in advance information and information regarding behaviour at the airport.

The Land BCP pilot, demonstrated land border risk based screening within Nadbuzanski 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, demonstrated cruise travelers 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.



FIGURE 5 TRESSPASS FLYER INTERIOR 3/4



The land pilot was focused on scenarios which were appropriately formulated to detect and tackle attempts of illegal entries of Third Country Nationals (TCNs) and cross-border crimes such as smuggling illicit goods to EU carried and hidden in vehicles with the introduction and tests of new sensors and technologies, not currently available at the BCP. For the pilot, the mock-up data of twelve travellers, played by Border Guard officers, were prepared. Fifteen Polish Border Guard officers participating in the pilot completed questionnaires, indicat-

Fifteen Polish Border Guard officers participating in the pilot completed questionnaires, indicating the potential positive values of the TRESSPASS project for current control and operational procedures (counterterrorism, detection of irregular behaviours, increased data, speed of information flow, and increased importance of human behavioural factors). Regarding the application of the RBBM concept of the TRESSPASS project to current Border Management systems, the respondents were mostly in agreement - the concept can be applied but it must be integrated into the current border clearance system.

Summarizing the overall impression of the project, respondents expressed approval of the project concept, see its potential, and the need to continually improve the check-in process.

Sea pilot:

The Greek Sea- Pilot, was realized in July 2021, coordinated by the Center for Security Studies (KEMEA) and hosted and organized at Piraeus Port-Greece by the Piraeus Port Authority (PPA) with the participation of the Hellenic Police (HP) and Customs Authorities (IAPR).

The Pilot's objective was to implement the TRESSPASS system to the sea case introducing a Marine PNR



and risk-based border screenings and checks at all travel stages in order to increase legitimate passenger flows while providing Border Authorities the ability to identify high-risk travelers based on dynamic risk assessment, apply focused checks and make proactively informed decisions. The actors (resembling border guards, malafide and bonafide travelers) participated in the Pilot consisted of Police Officers, Border Guards, Customs Officers and Cadets from the Hellenic

Police Academy. During the pilot, the TRESSPASS system was tested through two (2) cruise scenarios, one for Arrivals and one for Departures with the inclusion of malafide travelers playing scenarios focused on illegal smuggling and illegal EU entries.

The evaluation feedback from the participants was mostly positive, as they found the TRESS-PASS concept innovative, the designed scenarios realistic and probable, while the objectives of the pilot were reached. Regarding border guard operational aspects, Police Officers highlighted that the TRESSPASS system in general could result into increased passenger flows (for legitimate travelers) due to the automation of screenings, the dynamic risk assessment, the preregistration of passengers, and the targeted screenings and checks using the TRESSPASS components. Moreover, it was pointed out that border check procedures would be conducted more efficiently, and the system would enable them to be proactive. As far the individual TRESSPASS components are concerned, the end-users provided valuable feedback for future improvements regarding the information they provide and their usability.

On another note, the participants highlighted that the risk-based screenings introduced by TRESSPASS would require some adjustments to the current setup of procedures if they were to be applied, while ethical and legal considerations should not be overlooked in terms of data gathering and processing required for the risk-based approach.

FIGURE 6 TRESSPASS FLYER INTERIOR 4/4

The back cover (Figure 7) includes TRESSPASS Project Coordinator information and the EU project information. The TRESSPASS contact email and social media links are also evident, with hyperlinks to the relevant accounts. There is also a link to the F.A.Q. (Frequently Asked



Questions) addressing major ethical and legal concerns for the scope of the project. It also includes the EU logo with acknowledgement for project funding.



FIGURE 7 TRESSPASS FLYER BACK COVER

Finally, the back cover also includes the regulations compliance notice (Figure 8)

TRESSPASS system is fully in line with EU regulations in terms of data protection and privacy to increase the acceptance of the new technology.

FIGURE 8 TRESSPASS REGULATIONS COMPLIANCE NOTICE



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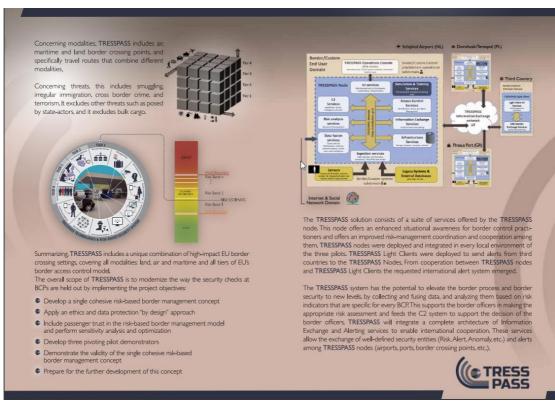
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ANNEX A

FLYER (ENGLISH VERSION) - print mode





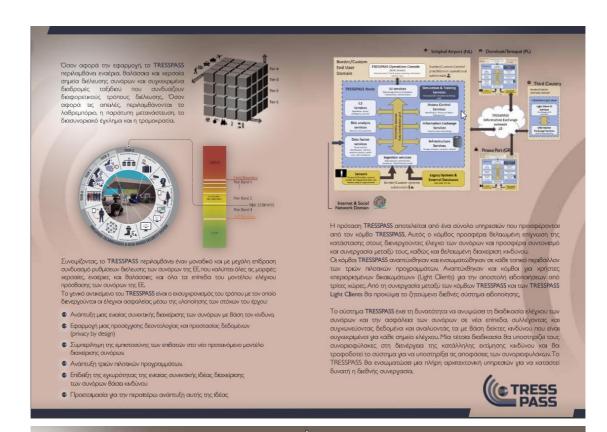




FLYER (INDICATIVE TRANSLATED GREEK VERSION) - print mode









Στο Ολλανδείο πλίστεκό πρόχρομμα σε Αεροδρόμιο:
Στο Ολλανδείο πλίστεκό πρόχρομμα το Ευροδρόμια εξελονείς που εκτρομούν το γυσε ξε για να διασφολιστε ποι αποτελοιματικός το πλίστερα εδουσιστρικό με το γεργασία το ποιο πέτον εξετομετικόν στη διατικρα εδουσιστρικό με το γεργασία το εκτρομούν το υποία πότο εξετομετικόν το πρόσει με το γεργασία το εκτρομούν το εκτρομούν εκτρομούν το εκτρομούν εκτιομούν εκτρομούν εκτιομούν εκτρομούν εκτιομούν εκτι

Το Μοτικο προχραμμα εκροσιαίαν αυνορουν Το πλαιού προχραμμα φλλοδηνήθηκε στην Terespol στις 24-28 Molou 2021. Το Τε Terespol είναι είναι στιν αυχολύτερο στιριία Ελέγκου συνοριών στην Πολανία - κατά μέσο ορο - 4.000 συτοκήνιτα και Ανευφορεία Ισιανζουν το οδικής διάθοσης συλογρα κάθε μέρα, που σημαίνει τον Αλεγρα περίπου (10,000 Το διομιές οργανώθηκαν στιο κανού τόσο το διανιμές οργανώθηκαν στιο κανού τόσο στο διάλοντας του Αγαγγέου και τον σταθμία έλληνου στην Terespol, όσο και από τεκικικούς εταίρους από το Μίλιταγ University περ Πολανίνας.



την υποστηρίες της Ελληνίκης Αστυνομίας (C. στόνος του πλοιτικού προυμάτωσης τον του πλοιτικού προυμάτωσης τον πλοιτικού πλ

