



Proactive Enhancement
of Human Performance in Border Control

Grant agreement n° 653676

M30
Dissemination report
(June 2017 – November 2017)

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3	AIT Austrian Institute of Technology GmbH	AIT	Austria
4	University Of Namur	NAM	Belgium
5	Atos Spain, S.A	ATOS	Spain
6	Thales Communications & Security	TCS	France
7	European Strategic Intelligence Company	CEIS	Belgium
8	Zanasi & Partners	Z&P	Italy
9	International Union of Railways	UIC	France
10	Agenzia delle Dogane e dei Monopoli	ADM	Italy
11	Center for Security Studies – KEMEA	KEMEA	Greece
12	The Finnish Border Guard	RAJA	Finland
13	Ubium	Ubium	Finland
14	HappyWise	Happywise	Finland

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Executive summary

Between June 2017 and November 2017, the consortium has continued to exploit the dissemination channels set up during the first reporting period, while also relying on additional means to ensure that the project results are effectively communicated to its target audiences. In line with the dissemination strategy defined in deliverable D8.1, the BODEGA consortium has continuously updated the project's website and LinkedIn group. Moreover, it has produced a new issue of the project newsletter, summarising the latest project achievements, which has been distributed amongst relevant stakeholders. At the same time, individual members of the consortium have presented the results of BODEGA at international conferences and seminars, internal meetings of stakeholder organisations and other dissemination events. One of the international conferences attended, held in the United States, saw the presentation of a paper produced jointly by four members of the consortium, describing methodology and preliminary results of the first round of BODEGA field studies.



1. Introduction

This document constitutes the fifth of the six six-monthly reports that will be produced throughout the BODEGA project in order to summarise the dissemination activities carried out in the previous six months. The activities illustrated in the present report have been conducted during the period between M25 and M30 (June 2017 – November 2017).

The report is divided into the following two sections:

- Dissemination channels: it describes how the BODEGA consortium has maintained and exploited the various channels that had been set up for disseminating contents during the first reporting period (i.e. the BODEGA project website, the ESBF LinkedIn group, the "BODEGA-project" group on Zotero and project newsletter);
- Dissemination events: it describes the events attended by individual members of the consortium in order to update external stakeholders on the project status and present its main findings.

2. Dissemination channels

Between June 2017 and November 2017, BODEGA consortium members have disseminated the project results using the various channels set up at the beginning of the project. This chapter provides an overview of the progress achieved through each of these channels.

2.1 Project website

Since June 2017, the BODEGA project website has been updated by UIC, the partner responsible for the website's management, in close cooperation with the other members of the consortium. The main change consists in the release of the travellers' survey, previously available in English only, in 7 other languages (Finnish, French, German, Greek, Italian, Portuguese and Spanish). The purpose of the survey is to gather insights into the opinions and perceptions of travellers with regards to both current and future border control processes. The survey is hosted within a dedicated *section* of the project website, as shown in Figure 1 below.

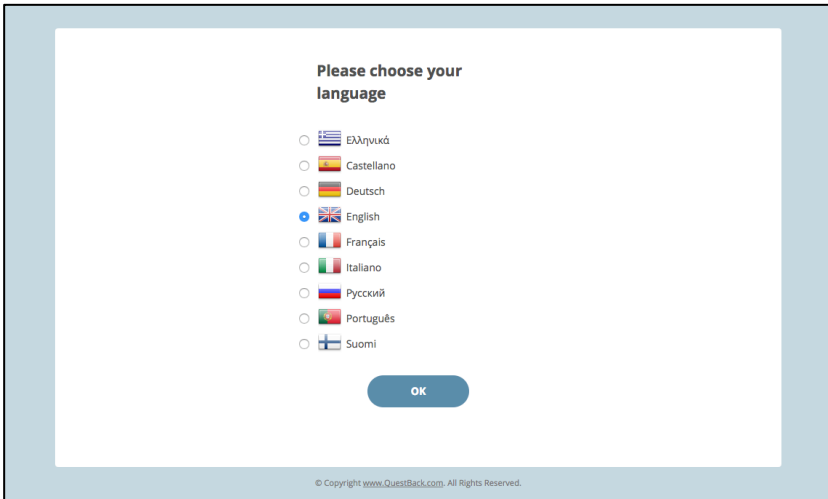


Figure 1. Travellers' survey section of the BODEGA project website

The website's achievements throughout the reporting period are summarised in Table 1, Table 2, Table 3 and Table 4 below.

Table 1. BODEGA project website's performance

Metric	Performance
Number of visitors	881
Percentage of new visitors	59.6%
Number of page views	3,993
Average session duration	2 minutes 57 seconds

Table 2. Source of traffic to the BODEGA project website

Source	Acquisition		
	Session	% New Sessions	New Users
	1,420 % of Total: 100:00% (1,420)	59.65% Avg for View: 58.79% (0.00%)	847 % of Total: 100:00% (847)
1. Google / Organic	648 (45.63%)	53.70%	348 (41.09%)
2. (direct) / (none)	566 (39.86%)	62.72%	355 (41.91%)
3. eab.org / referral	39 (2.75%)	87.28%	34 (4.01%)
4. uic.org / referral	36 (2.54%)	88.89%	32 (3.78%)
5. bing / organic	18 (1.27%)	44.44%	8 (0.94%)
6. ubium.net / referral	17 (1.20%)	52.94%	9 (1.06%)
7. linkedin.com / referral	16 (1.13%)	12.50%	2 (0.24%)
8. raja.fi / referral	9 (0.63%)	100.00%	9 (1.06%)
9. protect.mozello.com / referral	6 (0.42%)	66.67%	4 (0.47%)
10. 5-steps-to-start-business.com / referral	5 (0.35%)	100.00%	5 (0.59%)

Table 3. Top page views for the BODEGA project website

Page	Page views	Unique page views	Avg. Time on Page
	3,993 % of Total: 100:00% (3,993)	2,437 % of Total: 100:00% (1,772)	1 minute 38 seconds
1. /	1,796 (44.98%)	1,191 (48.87%)	2 minutes
2. /Consortium	432 (10.82%)	269 (11.04%)	1 minute 18 seconds
3. /Deliverables-publications	411 (10.29%)	269 (11.04%)	1 minute 55 seconds
4. /Project-structure	337 (8.44%)	227 (9.31%)	1 minutes 14 seconds
5. /Events	324 (8.11%)	128 (5.25%)	58 seconds
6. /Links	113 (2.83%)	62 (2.54%)	1 minute 3 seconds
7. /Contact	103 (2.58%)	64 (2.63%)	17 seconds
8. /Videos	65 (1.63%)	36 (1.48%)	2 minutes 47 seconds
9. /ESBF-LinkedIn-Group	62 (1.55%)	39 (1.60%)	2 minutes 5 seconds
10. /Content	43 (1.08%)	38 (1.56%)	2 minutes 6 seconds



Table 4. Page ranking for the BODEGA project website according to different keywords¹

Keywords	Google	Yahoo!	Bing
BODEGA	53	75	59
BODEGA project	1	1	1
BODEGA research project	1	1	1
Border control	-	99	-
Border control technologies	-	-	-
Border guards and human factors	4	5	-
Human factors in border control	7	-	-

2.2 The ESBF group on LinkedIn

Throughout the reporting period, membership of the European Smarter Borders Forum (ESBF) LinkedIn group (see Figure 2) has grown from 114 to 121 users. The group has been regularly updated by CEIS, with 4-6 new pieces of border control-related contents being added on a weekly basis.

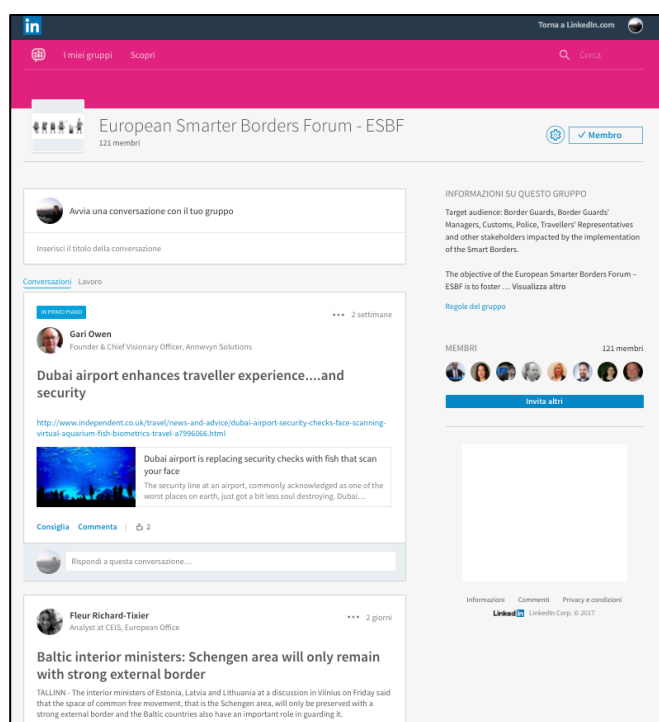


Figure 2. Homepage of the European Smarter Borders Forum (ESBF) group on LinkedIn

¹ The symbol - is used to indicate when the BODEGA project website is not featured amongst the top 100 search results

The achievements of the ESBF LinkedIn group are summarised in Table 5 below.

Table 5. ESBF LinkedIn group statistics

Metric	Performance
Number of members	121
Number of posts	160
Frequency of posts	4-6 per week

The ESBF group on LinkedIn can be accessed via the URL <https://www.linkedin.com/groups/8414124>

2.3 The "BODEGA-project" group on Zotero

As part of the activities carried out under WP3, the consortium has created a group on the Zotero repository, named "BODEGA-project", aimed, among other things, at helping with the dissemination of the project results.² Zotero is a free and open source reference manager software, designed to perform several functionalities, including recording relevant documents, using keywords and automatically creating lists of references using a Word processor.

The "BODEGA-project" group's library currently contains 448 documents, with the group counting a total of 12 members.

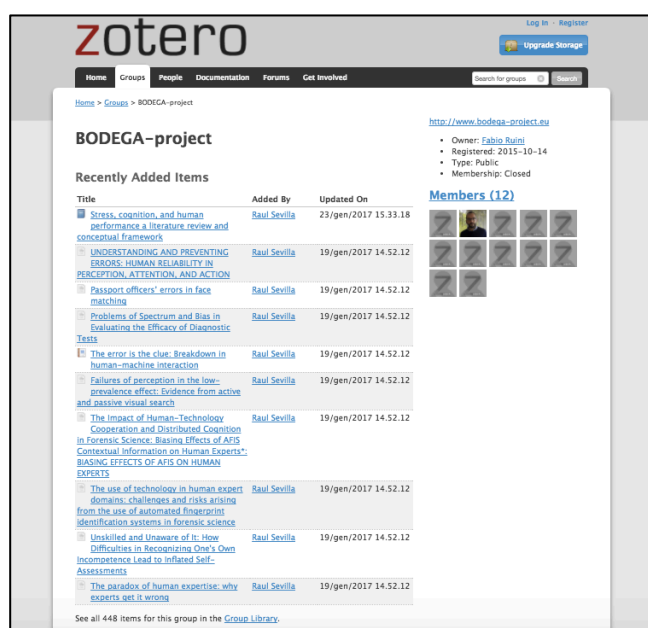


Figure 3. Homepage of the "BODEGA-project" group on Zotero

² A tutorial on the use of the Zotero repository is provided in Appendix A of deliverable D3.1

2.4 Project newsletter

Zanasi & Partners, in collaboration with HappyWise, produced a second issue of the BODEGA project newsletter, summarising the consortium's latest achievements. The newsletter is intended to inform the readers about the following activities carried out within the context of BODEGA:

- The release of the travellers' survey in 8 different languages;
- The completion of 13 field studies at border-crossing points of 6 EU countries (Belgium, Finland, France, Greece, Italy and Poland);
- The organisation of the joint BODEGA-ABC4EU Showcase Event, held in Levi, Finland, on May 2nd-5th 2017;
- The consortium's participation to a Joint Exploitation Event with four other EC-funded research projects related to border control (ACXIS, C-BORD, CORE and SOURCE), organised in Paris on May 19th 2017.

Following its finalisation, the newsletter was circulated within the consortium for distribution, reaching, by the end of November 2017, a total of 38 recipients belonging to the following types of organisations:

- National border guard, customs and police authorities (25);
- EU law-enforcement networks and working parties (6);
- Private companies (5);
- Travellers/citizens' association (1);
- Research institution (1).

A screenshot of the second issue of the project newsletter can be seen in Figure 4 below.

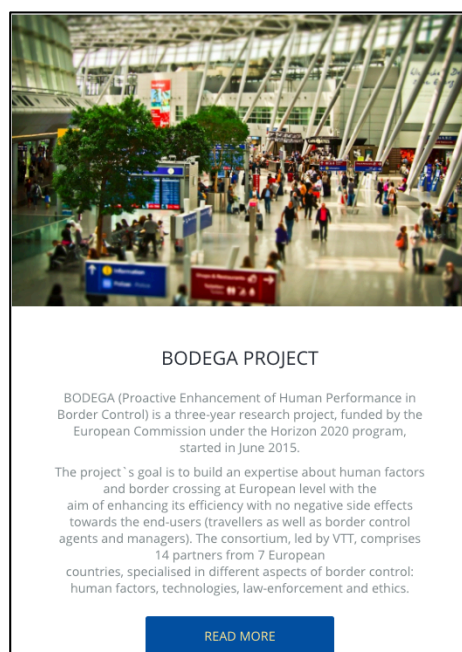


Figure 4. BODEGA newsletter 1/2017



3. Dissemination events

This chapter offers an overview of the dissemination events attended by individual members of the BODEGA consortium between June 2017 and November 2017. Dissemination events have been grouped into the following four categories:

- Paper presentations;
- Project presentations at international conferences and seminars;
- Project presentations at national events and internal meetings;
- Other dissemination events.

3.1 Paper presentations

3.1.1 AHFE Conference 2017

A paper titled "Human Factors Approach to Study Border Control Automation Impacts and Needs: Methodology and Preliminary Results of Field Studies", was presented by a representative of TCS at the 8th International Conference on Applied Human Factors and Ergonomics (AHFE 2017), held in Los Angeles (USA) on July 17th-21st 2017. Based on the work carried out by the BODEGA consortium during the first round of field studies at Schengen border-crossing points, the paper is the result of a cooperation effort between CEA, TCS, UIC and VTT. The paper will feature as a book chapter in the AHFE 2017 conference proceedings, edited by T. Ahram and W. Karwowski and published by Springer International Publishing AG. A digital version of the publication is already available *online*, with a printed version scheduled for release in 2018.



Figure 5. Cover page of the AHFE 2017 conference proceedings

3.2 Project presentations at international conferences and seminars

3.2.1 EAB Biometrics in Aviation seminar

On July 12th 2017, VTT participated to a seminar organised by the European Association for Biometrics (EAB), in collaboration with IATA. During the seminar, which took place in Lisbon, Portugal, VTT delivered a presentation focusing on current practice and vulnerabilities of Automated Border Control (ABC) in Europe. The event was attended by representatives of the aviation industry, including airports, airlines, government and industry.

Further information about this event is available at the URL below:

<https://www.eab.org/events/program/144>

3.2.2 EAB Research Projects Conference (EAB-RPC) 2017

On September 18th 2017, VTT participated to the 4th edition of the EAB Research Projects Conference, organised by the European Association for Biometrics in cooperation with the Joint Research Center (DG-JRC) of the EC, and Fraunhofer IGD. The event was held in Darmstadt, Germany, and involved researchers from several EU-funded research projects, including BODEGA. During the conference, VTT offered an update on the status of BODEGA to participants ranging from border control end-users and policy makers to managers of large IT-systems and industry representatives

Further information about this event is available at the URL below:

<https://www.eab.org/events/program/122>

3.2.3 Eu-LISA Annual Conference 2017

On October 17th-18th 2017, CEIS participated to eu-LISA's 4th Annual Conference, themed 'Going Digital for a Safe and Secure Europe'. Hosted in Tallin, Estonia, the conference was attended by 180 border management professionals. Participation to the event was leveraged by CEIS for presenting BODEGA during breaks and invite new participants to the project's end-users workshops.

Further information about this event is available at the URL below:

<http://www.eulisaconference.eu/>

3.2.4 7th International Conference on Applied Psychology and Educational Sciences

On October 26th 2017, UIC attended the 7th International Conference on Applied Psychology and Educational Sciences, organised in Iasi, Romania, by the Faculty of Psychology and Educational Sciences, "Alexandru Ioan Cuza" of the University of Iasi. During the conference, which was attended by 120 between scholars, researchers and students of applied psychology and educational sciences, UIC mentioned BODEGA within the context of a presentation titled 'Applying Psychology to Make Railway Transport Safer and More Secure'.

Further information about this event is available at the URL below:

<http://www.psih.uaic.ro/~icapex2017/index.php/en/>



3.2.5 Security Research, Innovation and Education Event (SRIEE) 2017

On November 14th -15th, VTT attended the Security Research, Innovation and Education Event (SRIEE) 2017, organised in Tallin, Estonia. The event comprised a Security Research Conference (SRC) and an exhibitors' area, where VTT set up a stand dedicated to one of his research projects. The stand was used for distributing BODEGA-related flyers and share with participants other information about the project. The SRIEE 2017 was organised by the European Commission in cooperation with the Estonian Academy of the Security Sciences (EASS) and the Estonian Ministry of the Interior.

Further information about this event is available at the URL below:

<https://ec.europa.eu/digital-single-market/en/news/security-research-innovation-and-education-event-2017>

3.2.6 COLPOFER 67th General Assembly

On November 16th 2017, UIC participated to the 67th General Assembly of COLPOFER, held in Vienna, Austria. COLPOFER is an international organisation dedicated to promoting collaboration between railway companies and railway police forces. Within the context of the event, UIC presented its recent activities, including the latest progress in BODEGA-related research, to 35 security managers from different railway organisations operating across Europe.

Further information about this event is available at the URL below:

<http://www.colpofer.org/>

3.2.7 UNECE Working Party on Railway Transport

On November 27th-28th 2017, UIC participated to a Working Party on Railway Transport organised by the United Nations Economic Commission for Europe (UNECE) in Geneva, Switzerland. During the event, members of UIC's security division had the opportunity to present the organisation's activities to 50 government representatives in charge of in-land transports and members of other international transport organisations.

Further information about this event is available at the URL below:

<https://www.unece.org/index.php?id=40914>

3.3 Project presentations at national events and internal meetings

3.3.1 Deutsche Bahn International Security Board

On June 1st 2017, UIC's Security Division presented its recent activities, including progress with EU-funded research projects such as BODEGA, to the 13 members of the Deutsche Bahn International Security Board. The presentation was delivered via Web conference.

3.3.2 UIC Security Platform Steering Committee

On September 13th 2017, UIC researchers attended the UIC Security Platform Steering Committee, held at UIC's headquarters in Paris. During the meeting, the 20 members of the UIC Security Platform were updated on ongoing European research projects in which UIC is involved. A dedicated presentation about BODEGA was provided, focusing on future field studies.



3.3.3 UITP Security Commission Meeting

On October 26th 2017, representatives of UIC's security division presented the status of ongoing security research projects in which UIC is involved within the context of a meeting of the International Association of Public Transport's (UITP) security commission, attended by 35 transport security managers.

3.3.4 Deutsche Bahn Security Steering Committee

On November 23rd 2017, UIC participated to a meeting of the Deutsche Bahn Security Steering Committee, attended by 13 national security managers, in which it provided an update on its recent activities, including BODEGA research work.

3.4 Other dissemination events

3.4.1 Testing activities at Pielisen Museum in Finland

On June 7th 2017, Ubium participated to a special event dedicated to border guards, organised at Pielisen Museum in Lieksa - the second largest open-air museum in Finland - in occasion of the 400th anniversary of Finnish borders. As part of the event, Ubium had the opportunity to test with the museum's visitors the prototype of a card-game for travellers developed during BODEGA.

3.4.2 Interview with local Spanish radio

In November 2017, a representative of ATOS took part in an interview for a local Spanish radio, in which he presented the work carried out by the company within the context of BODEGA.

4. Conclusion

During the fifth reporting period, the consortium has engaged in a variety of dissemination activities, relying on multiple communication channels.

Over the next six months, the consortium expects to keep up the quality and quantity of its dissemination efforts and will continue to work in order to further improve their effectiveness.

