



Proactive Enhancement
of Human Performance in Border Control

Grant agreement n° 653676

M36
Dissemination report
(December 2017 – May 2018)

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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 December 2017 and May 2018, 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 as well as relied on multiple channels in order to advertise the WP6 traveller survey. At the same time, individual members of the consortium have presented project results at nine different dissemination events, including international conferences, training workshops and thematic fairs. Three scientific papers have also been produced: one of them has already been published whereas the other two have been submitted to international conferences and are expected to be published later in 2018.



1. Introduction

This document constitutes the sixth 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 M31 and M36 (December 2017 – May 2018).

The report is divided into the following two sections:

- Communication and dissemination channels: it describes how the BODEGA consortium has maintained and exploited the various channels that had been set up for communicating and disseminating contents during the first reporting period (i.e. the BODEGA project website, the ESBF LinkedIn group, the "BODEGA-project" group on Zotero);
- Publications and dissemination events: it describes the publications produced as well as the dissemination events attended by members of the consortium in order to present project findings to BODEGA target audiences.

2. Communication and dissemination channels

Between December 2017 and May 2018, BODEGA consortium members have updated stakeholders about project achievements and 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

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 improvements made since December 2017 are listed below:

- The 'events' page (shown in Figure 1) has been divided into two sections. One section describes the dissemination events attended by consortium members since the start of the project and enables website visitors to download their presentation slides. The other section advertises upcoming events where BODEGA project partners plan to disseminate project results in the future;
- The 'publications' page has been enriched with new contents, including public summaries of confidential project deliverables and the 2nd issue of the project newsletter. Moreover, a link has been added to the publications produced by the consortium;
- New Twitter accounts of relevant stakeholder organisations have been included to the BODEGA Twitter list whose live feeds are displayed on the website's homepage. Examples of recently added accounts range from the ones of the European Association for Biometrics and the Transport Research Arena (TRA) conference to those of IATA, INTERPOL and Europol.

Figure 1. Screenshot of the 'events' 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	661
Percentage of new visitors	84.5%
Number of page views	2,814
Average session duration	3 minutes 22 seconds

Table 2. Source of traffic (countries) to the BODEGA project website

Source	Acquisition		
	Users	New users	Sessions
	666 % of Total: 100.00% (666)	642 % of Total: 100.16% (641)	1,121 % of Total: 100.00% (1,121)
1. United States	94 (13.84%)	94 (14.64%)	96 (8.56%)
2. France	81 (11.93%)	78 (12.15%)	161 (14.36%)
3. Finland	56 (8.25%)	48 (7.48%)	167 (14.90%)
4. Belgium	53 (7.81%)	47 (7.32%)	75 (6.69%)
5. Italy	52 (7.66%)	48 (7.48%)	123 (10.97%)
6. Germany	40 (5.89%)	37 (5.76%)	50 (4.46%)
7. Spain	33 (4.86%)	32 (4.98%)	57 (5.08%)
8. United Kingdom	27 (3.98%)	26 (4.05%)	28 (2.50%)
9. Austria	25 (3.68%)	21 (3.27%)	37 (3.30%)
10. India	24 (3.53%)	24 (3.74%)	25 (2.23%)

Table 3. Top page views for the BODEGA project website

Page	Page views	Unique page views	Avg. Time on Page
	2,814 % of Total: 100:00% (2,814)	1,873 % of Total: 100:00% (1,873)	2 minute 14 seconds
1. /	1,277 (45.38%)	882 (47.09%)	2 minutes 20 seconds
2. /Deliverables-publications	408 (14.50%)	208 (11.11%)	3 minute 0 seconds
3. /Events	248 (8.81%)	158 (8.44%)	1 minute 54 seconds
4. /Consortium	228 (8.10%)	149 (7.96%)	1 minute 39 seconds
5. /Project-structure	159 (5.65%)	122 (6.51%)	1 minute 45 seconds



6. Contact	66 (2.03%)	56 (2.99%)	1 minute 32 seconds
7. /Videos	57 (2.58%)	38 (2.03%)	1 minute 0 seconds
8. /Links	49 (1.74%)	41 (2.19%)	1 minute 31 seconds
9. /Content	41 (1.46%)	39 (2.08%)	40 seconds
10. /ESBF-LinkedIn-Group	38 (1.35%)	30 (1.60%)	3 minutes 07 seconds

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

Keywords	Google	Yahoo!	Bing
BODEGA	65	-	51
BODEGA project	1	1	1
BODEGA research project	1	1	1
Border control	-	-	-
Border control technologies	-	-	-
Border guards and human factors	4	2	1
Human factors in border control	3	-	-

2.2 The ESBF group on LinkedIn

Throughout the reporting period, the European Smarter Borders Forum (ESBF) LinkedIn group (see Figure 2) has been continuously updated by CEIS, with more than 6 new pieces of project-related contents being posted every week. This has allowed the group's membership to grow from 121 to 135 users.

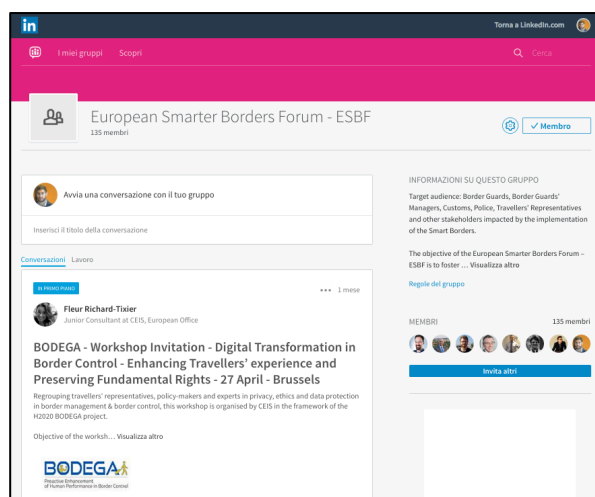


Figure 2. Homepage of the European Smarter Borders Forum (ESBF) group on LinkedIn

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

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

Table 5. ESBF LinkedIn group statistics

Metric	Performance
Number of members	135
Number of posts	150
Frequency of posts	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.

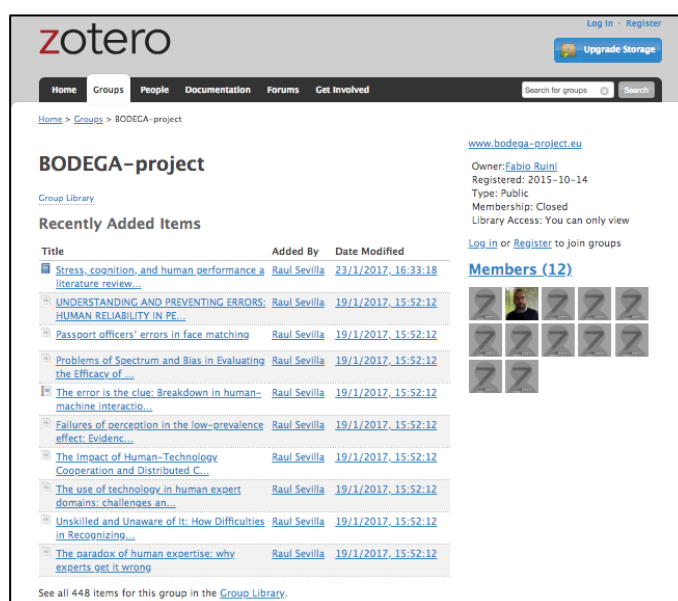


Figure 3. Homepage of the "BODEGA-project" group on Zotero

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

2.4 Communication channels used for promoting the travellers survey

Between December 2017 and May 2018, the consortium has devoted significant efforts to the promotion of the travellers survey, prepared in the context of WP6 activities and available in 9 different languages on the project website. In order to advertise the survey, the consortium has relied upon the following communication channels:

- Twitter: organisational and personal Twitter accounts of project partners (see Figure 4);
- Dedicated flyer and poster: a flyer and poster about the travellers survey (see Figure 5) have been produced and displayed/distributed at relevant events (e.g. dissemination events, BODEGA field studies, etc.);
- Third-party online platforms: short articles on the traveller survey have been published in newsletters and websites of relevant stakeholder organisations, such as the newsletter of the European Passengers' Federation (see Figure 6).

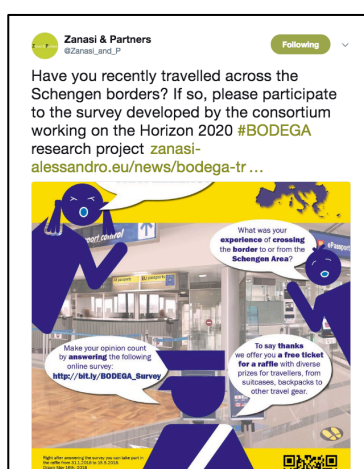


Figure 4. Example of travellers survey-related tweet posted by a BODEGA consortium member



Figure 5. Poster (picture on the left) and flyer (picture on the right) created for the purpose of promoting the travellers survey



Figure 6. Article about the traveller survey featured on the March 2018 issue of the European Passengers' Federation (EPF) newsletter

3. Publications and dissemination events

This chapter offers an overview of the publications produced and dissemination events attended by individual members of the BODEGA consortium during the period between December 2017 and May 2018.

3.1 Publications

3.1.1 Paper published in the 'Society.Integration.Education International Scientific Conference' proceedings

A paper titled "Border check training in Finland - Comparison of e-learning tools for practical and legal studies" has been presented by RAJA at the "Society.Integration.Education International Scientific Conference Society". The event was held on May 25th, 2018 at Rezekne Academy of Technologies in Rezekne, Latvia, and was attended by approximately 200 persons. The paper, which has been published in the conference proceedings, discusses possibilities and challenges of applying e-learning tools in border check training, comparing the training of legal issues and border check practices. The main research question addressed is how e-learning is utilised in border guard training. The publication's authors and abstract are shown in Figure 7 below.

The full publication is available via the following URL

<http://journals.ru.lv/index.php/SIE/article/download/3174/3181>

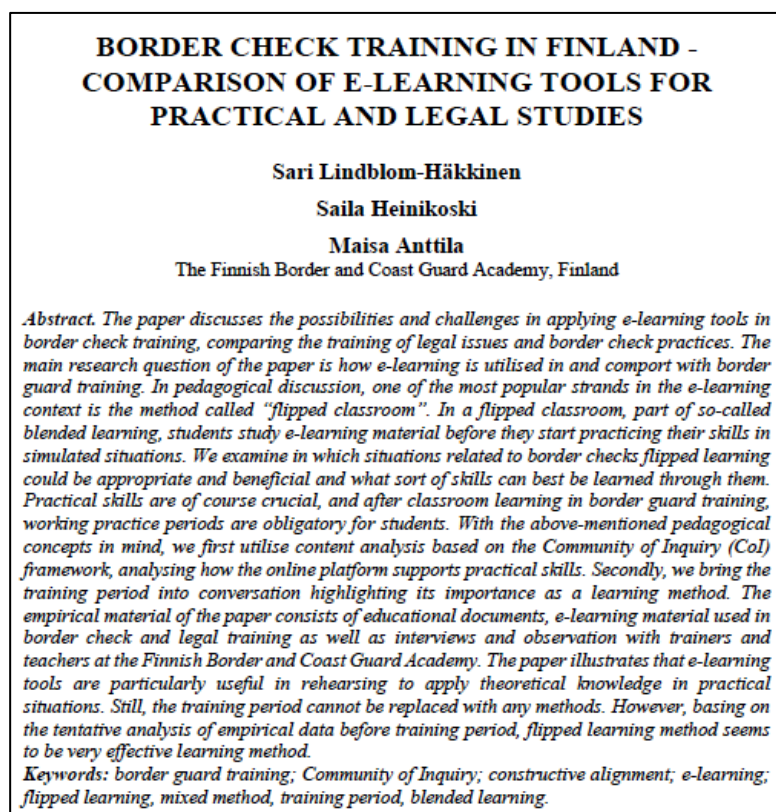


Figure 7. Abstract of the publication produced by RAJA

3.1.2 Paper to be presented at the Human-Work Interaction Design (HWID'18) Conference

VTT has produced a paper titled "A Framework for Understanding Human Factors Issues in Border Control Automation", authored by Mari Ylikauppila, Minna Kulju, Sirra Toivonen and Laura Salmela. The publication will be presented at the "Human-Work Interaction Design (HWID'18) – Designing Engaging Automation 5th IFIP WG 13.6 Working Conference", scheduled to take place at Aalto University in Espoo, Finland on August 20th -21st 2018. According to the conference's rules, accepted papers will be distributed to the participants as digital proceedings. A review process will determine which manuscripts will appear within an IFIP Springer book (IFIP Advances in Information and Communication Technology), to be edited and published after the conference.

Further information about the HWID'18 is available on the conference website:

<https://blogs.aalto.fi/hwid2018/>

3.1.3 Paper submitted to the EISIC 2018

In February 2018, VTT submitted a paper to the 2018 edition of the European Intelligence and Security Informatics Conference (EISIC), which will be held in October 2018 at Blekinge Institute of Technology in Karlskrona, Sweden. The paper is titled "Digital transformation in border checks: mapping border guard training in automated processes", and is authored by Laura Salmela, Sirra Toivonen, Minna Kulju and Mari Ylikauppila.

Further information about the EISIC is available on the conference website <http://www.eisic.eu/>

3.2 International conferences and workshops

3.2.1 End-user workshop at French-Belgian Chamber of Commerce

On April 27th 2018, Sciences Po took part in a workshop session hosted by the French-Belgian Chamber of Commerce in Brussels, Belgium. The event's theme was "Digital Transformation in Border Control – Enhancing Travellers experience and Preserving Fundamental Rights". A variety of border control stakeholders, including representatives of travellers and citizen organisations as well as members of eu-LISA and border guard organisations, participated to the workshop.

3.2.2 EAASP Annual Conference at Europol headquarters

On May 14th-15th 2018, CEIS attended the EAASP Annual Conference, organised at Europol headquarters in The Hague, Netherlands. CEIS took the opportunity to present the BODEGA project to conference participants, comprising of 80 between policy-makers and representatives of border police and border guard organisations, during conference breaks.

3.2.3 BODEGA workshop on future border guard work

On May 3rd 2018, VTT and RAJA organised a joint workshop attended by 15 border security personnel from the Finnish Border Guard. The objective of the workshop was to present BODEGA project results and gather feedback from end-users. Special emphasis was placed on the validation of the consortium's recommendations for enhancing the quality of future border guard work.



3.3 Project presentations during training activities and internal meetings

3.3.1 Training day at the Finnish Border and Coast Guard Academy

On April 13th 2018, RAJA presented the results of BODEGA within the context of a training day organised at the Finnish Border and Coast Guard Academy. Around 50 personnel of the Finnish training institution attended the presentation.

3.3.2 Training day for information service personnel at the Finnish Border Guard

On May 16th 2018, RAJA organised a training day directed at 15 information service personnel from the Finnish Border Guard. During the event, RAJA delivered a presentation about its research activities, covering also the research carried out as part of the BODEGA project.

3.4 Project presentations at local events and internal meetings

3.4.1 Testing activities at SciCruise Science Festival

On April 23rd-24th 2018, Ubium participated to the SciCruise Science Festival, an event organised on-board a cruise on a round-trip from Turku, Finland. Ubium exploited the event as an opportunity to test its WP6 prototype card game with visitors as well as to advertise the travellers survey by handing out flyers.

Further information about the SciCruise Science Festival is available on the event website

<http://luma.utu.fi/scicruise/>

3.4.2 Promotion of traveller survey at Matka Nordic Travel Fair

On January 18th 2018, VTT and Ubium attended the Matka Nordic Travel Fair, organised near Helsinki, Finland. BODEGA representatives interacted with visitors in order to raise awareness about the project and distributing flyers to promote the travellers survey. Approximately 50 flyers were handed out to participants throughout the event.

Further information about the Matka Nordic Travel Fair is available on the event website

<https://matka.messukeskus.com/info/>

3.4.3 H2020 security day at CEA

CEA delivered a presentation about the BODEGA project during an internal event dedicated to H2020 security projects, which was held at CEA headquarters in Paris, France.



4. Conclusion

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

Over the remaining four months of the project, 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.

