

# SECONOMICS

## D9.14 Public engagement forum/workshops

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## Executive summary

This document consists of the report of the two public engagement forum and workshops organised by the SECONOMICS project involving the interested stakeholders: the SECONOMICS Stakeholder Conference in Eskisehir, Turkey (February 2014) and the SECONOMICS Summit in Brussels (November 2014).

For each event a summary card - date venue agenda and objectives - some photos, examples of the dissemination material that was used and relevant outcomes - participants, organisations, presentations and conclusions - are provided.

During the events, the interaction between the audience and the speakers was really dynamic and the speakers answered many questions and topics presented by the attendees. Many of these attendees showed their interest in the project, asked for further information about it and some of them were really interested in an extended demonstration of the project results.

## 1. SECONOMICS Stakeholder Conference

### 1.1 Summary card

- **Date:** 27-28 February 2014
- **Venue:** Salon 2009 Gençlik Merkezi, Anadolu University Yunus Emre Campus, 26470, Eskisehir, Turkey
- **Agenda:**

<b>27<sup>th</sup> Feb-General meeting</b>
<a href="#">13:30</a> Conference start&opening
<a href="#">14:00</a> Guest Speakers
<a href="#">15:00</a> Seconomics introduction and background for airport security
<a href="#">16:00</a> Security perception session (WP4)
<a href="#">17:00</a> Discussion and End of the first day
<a href="#">19:30</a> Dinner
<b>28<sup>th</sup> Feb-Focused meeting</b>
<a href="#">09:00</a> Guest Speaker
<a href="#">09:45</a> Presentation of WP5 models
<a href="#">11:15</a> Round table discussion on cyberthreat and tower models
<a href="#">12:30</a> Lunch
<a href="#">13:30</a> Presentation of WP6 model
<a href="#">14:15</a> Presentation of WP8 Visualization tool
<a href="#">15:00</a> Round table discussion on airport security regulation model and visualization tool
<a href="#">16:00</a> Conclusions
<a href="#">16:30</a> Closing the Workshop

- **Goals/Objectives:**
  - Sharing information about SECONOMICS project studies with the stakeholders - high level professionals about Airport and ATM security
  - Putting together the stakeholders ideas about project scenarios, models and outputs by discussing on the provided data of WPs.

## 1.2 Photos







### 1.3 Dissemination Materials that were used

- Poster
- Invitation letter with agenda and venue details (for mailing)



### 1.4 Outcomes

- **Participants:** Anadolu University invited Turkish and South Eastern European professionals about airport security who could contribute to the SECONOMICS studies by their high-level knowledge and experiences as stakeholders. The workshop participants were mainly professionals from Turkish civil aviation environment.
- **Names of participant organisations:**
  - European Commission,
  - Turkish CAA-DGCA (Directorate of General Civil Aviation),
  - Turkish ANSP-DHMI (which is responsible for all state airports),
  - Airlines (Turkish Airlines and Pegasus Airline),

- Sabiha Gokcen (Istanbul) airport,
- Air Traffic Controller's Association (TATCA),
- Researchers and project experts from Anadolu University.

- **Presentations**

- Presentation of Project overview: The presentation aimed to give general information about SECONOMICS project objectives and case studies especially in the airport security domain.
- Presentation of ATM Security in Single European Sky: An EC expert emphasized the importance of ATM security in the European region and regulatory framework including EC and Eurocontrol regulations. Eurocontrol considers ATM Network Manager in the 4 critical infrastructures as accounted as threat in the WP1 scenarios and models. Air navigation services is combining safety and security together and security management functions becoming more important and identified in EC 1035/2011.  
The important points in the security management system are ensuring security of facilities, personnel and operational data; identification of security roles and responsibilities; process of security risk management; security manager.
- Presentation of ATM Security in Single European Sky:  
In the future ATM systems (SESAR: SES ATM Research), cyber security, self-protection of the ATM system, collaborative support providing services or information from ATM to another agent such as law enforcement, military agencies, emergency services or incident investigation agencies relating to an act of unlawful interference. The likelihood of attack on ATM estimations tends to increase considering impact level in the system interdependency.
- Presentation of Security Perception:  
AU and ISASCR made survey and media research separately about security perception and combined meaningful data together especially related to security measurements in the airports. Also partners with DBL collaborated an online research about security perception around Europe.
- Presentation of Human Factors in Airport Security:  
Human factors expert presented the important points affecting airport security operations performance. The security culture can be seen a solution for efficiency of security operations. The security culture which is shared from top and down in the security and airport operation organizations is very important to invest on the security decisions and training of human resources and also for reducing costs for operators and airport users.
- Presentation of Scenarios and Models:  
The scenarios and modeling of cyberthreat and attack to tower focused on the impact levels and adversarial risk analysis and affective airport security regulations modeling.
- Presentation of DGCA Recent Developments:  
DGCA presentation pointed out some developments about new regulations about airport security. DGCA focused on the training of airport security

personnel to increase performance of security operations as an efficient investment on human resources.

- **Conclusions**

The workshop consisted of two sessions:

- 27<sup>th</sup> February: General SECONOMICS project and WP1 and WP4 studies presentations related to security perception
- 28<sup>th</sup> February: Focused presentations of WP1 scenarios and models on airport security and discussions.

The conference hall was designed to create suitable discussion environment with all project posters and infographics where participants made interactive discussions on project outputs even during the break times.

The participants were highly involved into all workshop sessions and contributed by asking questions and discussions. The scenarios and modeling about airport security were found meaningful considering ATM operations in the center of all airport operations. The main points were:

- Security operations for users and airport operators. The airport security operations and their standardizations for everyone in the airport environment should be optimized to reduce costs. The specified security operations and regulations can be generated accounting capacity constraints in the airports for all users and operators.
- The security management activities can be seen as important as airport safety management activities and also both sectors should collaborate and act coordinated. Especially ATM security is very sensitive to interact with flight safety and its impact level should be considered as high social and economic cost generations. The security incident reporting data should be considered as most important inputs for risk analysis and applying adversarial modeling.
- Establishing security culture in airport operations can be seen a long term solution to optimize of perception on security operations for all users and operators.

## 2. SECONOMICS Summit

### 2.1 Summary card

- **Date:** 5<sup>th</sup> November, 2014
- **Venue:** EU Commission Covent Garden, Place Rogier 16, Brussels
- **Agenda**

<i>Timetable</i>	<i>Discussion Topic</i>	<i>Speakers</i>
9:00-9:30	Registration	
09:30-9:40	Welcome and Introduction	Fabio Massacci - University of Trento, SECONOMICS Project Coordinator.
09:40-10:10	Security Policies and Socio-Economics Issues. The SECONOMICS Perspective	Julian Williams - Univ. of Durham, SECONOMICS Scientific Coordinator.
10:10-10:45	Policy Initiatives on Security in Europe	Pierre Chastanet - DG Connect Trust and Security, European Commission.
10:45- 11:00	Coffee Break	
11:00-12:30	Panel Discussion on Security, Public-Opinion and Regulatory Trade-offs in the Airport Domain	Led by DeepBlue SRL & Anadolu University. Panellists include: <ul style="list-style-type: none"> <li>• Darren Handley - DG Move Aviation Security.</li> <li>• Antonio Nogueras - Eurocontrol.</li> <li>• Eli Mandelawy - IATA.</li> <li>• Marc Sel - Pricewaterhouse and Cooper.</li> </ul>
12:30- 13:30	Lunch	
13:30-15:00	Panel Discussion on Risk-based vs Rules based Cyber Security Regulations in Critical National Infrastructure	Led by National Grid. Panellists include: <ul style="list-style-type: none"> <li>• James Snook - UK Cabinet Office.</li> <li>• David Willacy - Chair of ENTSO-E Cyber Group.</li> <li>• Representative - CPNI.</li> </ul>
15:00- 15:15	Coffee break	
15:15-16:45	Panel Discussion on Security Issues in Urban Public Transport	Led by Transports Metropolitans de Barcelona & Atos. Panellists include: <ul style="list-style-type: none"> <li>• Lyndsey Mancini - UITP Security Commission.</li> <li>• Head of the Metropolitan Transport Security - Mossos d'Esquadra - Catalan Police Dept.</li> </ul>
16:45-17:15	Summary of SECONOMICS Scientific Findings and Conclusions	<ul style="list-style-type: none"> <li>• Petra Guasti - ISASCR.</li> <li>• Zdenka Mansfeldova - ISASCR.</li> <li>• Javier Cano - Univ. of Rey J. Carlos.</li> <li>• Matthew Collinson - Univ. of Aberdeen.</li> </ul>
17:15	Final Thoughts and Close	

- **Goals/Objectives:** To present and discuss the three SECONOMICS case studies
  - **Anadolu's Airport Infrastructures (Turkey):** Airports are open, complex and tightly coupled systems where crisis events affecting one department will likely cause a domino effect, within the organization and on the nearby infrastructures. SECONOMICS investigated airport security aiming at cost effective and satisfactory crisis decision making and security policy and management all over Europe.
  - **National Grid (UK):** Electricity Transmission Grid owns and operates the electricity transmission grid in the UK which is considered a critical infrastructure of the country. Incentivising critical infrastructure operators to be cyber secure is crucial and SECONOMICS investigated which regulatory frameworks would work best for this type of infrastructure.
  - **Barcelona urban public transport (Spain):** Any news appeared in mass media about any incident on the public transport impacts directly to the citizens' perception of security in the city. Based on this use case, SECONOMICS worked

in the development of adequate standards and procedures for the harmonised implementation of solutions that will be valid at European level.

Stakeholders had the opportunity to voice their perspectives and opinions on the future deployment of SECONOMICS.

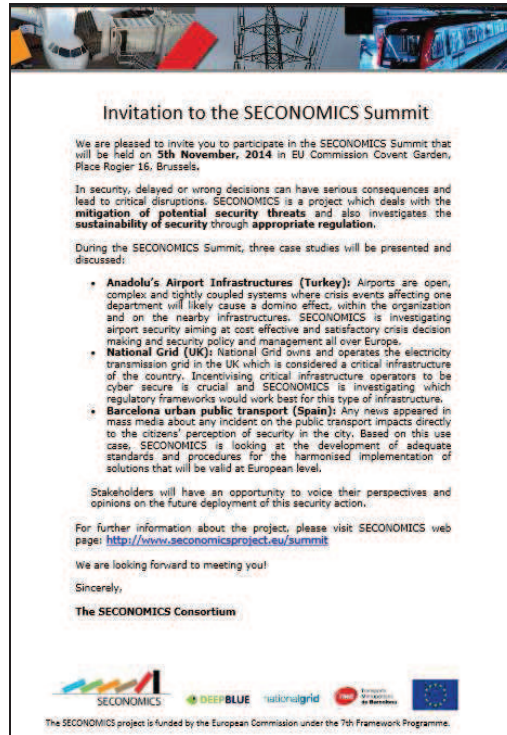
## 2.2 Photos



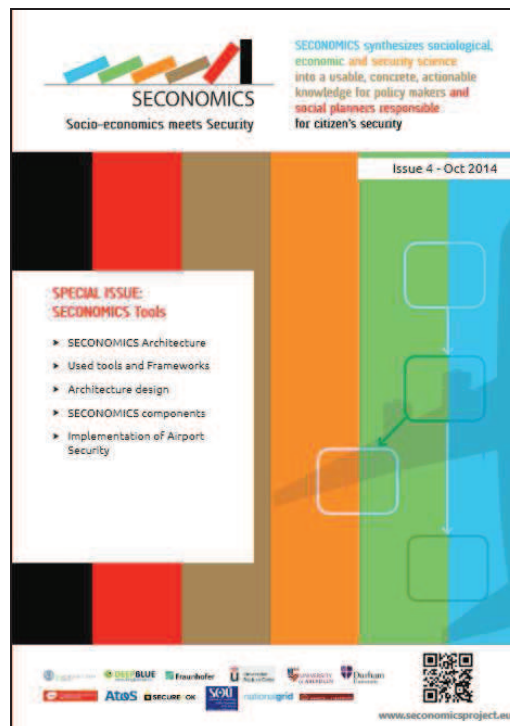


## 2.3 Dissemination Materials that were used

- SECONOMICS Leaflet



- SECONOMICS Newsletter issue 5 (printed version)



## 2.4 Outcomes

- **Number of attendees:** 45-50
- **Names of participant organisations**
  - National Grid
  - UK Cabinet Office CPNI
  - Ephapos Advisors Teamwork
  - DG Connect Trust and Security, European Commission
  - Univ. of Aberdeen
  - SECURE-NOK AS
  - HP Labs - CSP Forum
  - ISAS CR
  - EC DG Move Aviation Security
  - CER
  - Police Inspector, Mossos d'Esquadra
  - UITP Security Commission
  - IATA
  - University of Trento
  - RHEA System
  - RHEA Group
  - ATOS
  - Eurocontrol
  - Transport Metropolitans de Barcelona
  - CPNI
  - Metro Madrid
  - Deep Blue
  - Pricewaterhouse and Cooper
  - LSEC
  - European Defence Agency
  - Airport Council International (ACI) Europe
  - Chair of ENTSO-E Cyber group
  - University of Durham
  - Fraunhofer
  - NGRID
  - URJC
  - UNITN
  - Anadolu University

- **Presentations**

The event started with a general presentation of the project for the whole audience. After that, the airport security panellist presented and discussed several points like how do socio-economic issues affect aviation security policies, challenges and opportunities in air traffic management security increasing automation and cyber-security, security training or how it could benefit from policies or standards and best practises in other domains.

The CNI panellists offered a real example of a Critical National Infrastructure, its different regulations approaches (depending on the country) and an assessment of



them, they also brought interesting topics like cyber-security and critical assets protection and presented the oil&gas sector and its security treatment.

The urban transport panellist covered the topics of the security issues in these kinds of transports and how the sense of security is a key factor for its users. It was followed by a detailed presentation of how the security is managed in Barcelona's public transport.

Some presentations can be downloaded from:

<http://www.seconomicsproject.eu/summit>

- **Conclusions**

The event was closed with a project summary of the scientific findings and conclusions and a short demonstration of the project application tool.

During the whole event, the interaction between the audience and the speakers was really dynamic and the panellist answered many questions and topics presented by the attendees.

Many of these attendees showed their interest in the project, asked for further information about it and some of them were really interested in an extended demonstration of the project results.

Overall, the event was a great opportunity for dissemination and presented a good amount of the work done during the project in community building and how it helped the project developing and obtaining results.

## REFERENCES

- SECONOMICS DoW (Description of Work)

Any document mentioned under this section is available at the BSCW collaborative repository of the SECONOMICS project.