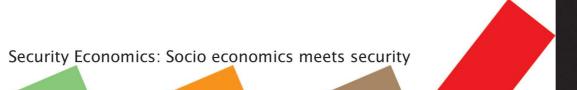# First Security Scrutiny Committee Report

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SECONOMICS Consortium

SECONOMICS "Socio-Economics meets Security" (Contract No. 285223) is a Collaborative project) within the 7th Framework Programme, theme SEC-2011.6.4-1 SEC-2011.7.5-2 ICT. The consortium members are:

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Executive Summary

This report is the First Security Scrutiny Committee Report which documents the activities, outcomes and actions of the Security Scrutiny Review Committee (SSRC).

Two SSRC meetings have been held at the M6 and M12 milestones to discuss the dissemination of industry case study deliverables.

1. Introduction

This report is the First Security Scrutiny Committee Report which documents the activities, outcomes and actions of the Security Scrutiny Review Committee (SSRC).

1.1 Overview of the document

In Section 2 we give a background to the SSRC including its remit, the principles in which it operates as well as its membership.

Section 3 gives the logistics of the SSRC meetings that were held during the first 18 months of the project and the main outcomes of the committee meetings.

Appendix 1 contains the minutes of the first meeting of the SSRC held on 27th August 2012 at UNITN, and via teleconference, where the security dissemination issues and concerns of the M6 deliverables were discussed.

Appendix 2 contains the minutes of the second meeting of the SSRC held on 18th January 2013 at UNITN, and via teleconference, where the security dissemination issues and concerns of the M12 deliverables were discussed.

2. Background

The SSRC covers potential issues of release of all data and information collected from case studies and case study partners for the SECONOMICS project. The industry case studies are covered in Work packages 1, 2 and 3, which are Air Traffic Management, Critical National Infrastructure and Urban Public transport respectively. The SSRC focuses it remit on these specific work packages but as the project progresses it has widened its scope to include the case study partner's input to the technical work packages.

The principles of the SSRC were set out in the SECONOMICS Description of Work and are also presented below:

- In general publications from SECONOMICS are for public consumption through standard media, following the commission's guidelines.
- Data from case study owners is released at their discretion.
- Data transformations (i.e. use of descriptive statistics, distributions, indicative qualitative information) are included in the remit.

The SSRC are tasked with understanding the sensitivity of the information that the case study partners are putting into their work package deliverables and sharing with the academic partners. From this understanding the SSRC provide guidance on how the case study owners can share such information. More formally, the SSRC have the following terms of remit:

- Decisions on research output restrictions and the release of information to academic partners.
- Labelling of released information (i.e. whether models are estimated from simulated or real data).

The SSRC uphold the principles above within their terms of remit.

The SSRC is made up of the following SECONOMICS partners, which are listed below along with each partner's role within the SSRC:

- National Grid (NGRID): Represented by Robert Coles, the NGRID Chief Information Security Officer, and Raminder Ruprai. NGRID chair the SSRC meetings and lead the discussion on the evaluation of the relevant security needs of the case studies. They also represent the CNI case study interest.
- Università Degli Studi Di Trento (UNITN): Represented by Fabio Massacci, the SECONOMICS Project Director. UNITN provides the necessary mediation capabilities between the research needs of the project and the confidentiality needs of the case study owners.
- University of Aberdeen (UNIABDN): Represented by Julian Williams, the SECONOMICS Scientific Director. UNIABDN represents the research interests of the academic partners.
- Ferrocarril Metropolita De Barcelona SA (TMB): Represented by Michael Pellot Garcia. TMB represents the Urban Public Transport case study interest.
- Atos Spain SA (ATOS): Represented by Ricard Munne Caldes. ATOS aids the representation from TMB of the Urban Public Transport case study.

- Anadolu University (AU): Represented by Ugur Turhan. AU represents the Air Traffic Management case study interest.
- Deep Blue SRL (DBL): Represented by Alessandra Tedeschi. DBL aids the representation from AU of the Air Traffic Management case study.

3. SSRC meetings logistics and outcomes

The first year of the SECONOMICS project is heavily focussed on the case studies. This quantitative and qualitative information from the industry case studies then feeds into the technical work packages led by the academic partners.

It is essential that the technical work package owners have the right information for their work to take place. However, it is also important that precisely the correct information is transferred to the academic partners especially if it is sensitive information. In this context, sensitive information refers to the industry participant's information that if disclosed, could have a potential negative impact to their organisation.

To that end, it was decided early in the project that the SSRC would hold a meeting at each deliverable due date milestone, where the case study work packages are producing deliverables. The purpose of the meetings was to discuss the dissemination of case study information with a focus on the sensitive information.

For the first 18 months of the SECONOMICS projects there were milestones at the end of M6, M12 and M18. Detailed below are the case study deliverables and other deliverables with significant case study input that were due at the different milestones:

- M6
    - D1.2 Airport Requirements First Version
    - D2.2 National Grid Requirements First Version
    - D3.2 Urban Public Transport Requirements First Version
- M12
    - D1.3 Airport Requirements Final Version
    - D2.3 National Grid Requirements Final Version
    - D3.3 Urban Public Transport Requirements Final Version
    - D7.2 Critical infrastructure user requirements, covering Grid, transport and airport domains
- M18 N/A.

It is these deliverables and their dissemination that were discussed at the SSRC meetings.

3.1 Dissemination Levels

An important part of the SSRC meetings was the classification or 'Dissemination Level' of the project deliverables. For reference, we provide the different Dissemination Levels that were defined in the project proposal:

- PU = Public
- PP = Restricted to other programme participants (including the Commission Services)
- RE = Restricted to a group specified by the consortium (including the Commission Services)
- CO = Confidential, only for members of the consortium (including the Commission Services)

3.2 SSRC 1st Meeting

The first meeting of the SSRC took place on the 27th August 2012 and was hosted by UNITN and included a teleconference for those that could not attend in person. At this meeting the M6 deliverables were discussed and it was clarified that deliverables from the case study work packages were rated at Dissemination Level of 'RE'. This means that these deliverables are restricted to a group specified within the consortium including the Commission Services.

From an industry case study owner's perspective, such a dissemination group is wide enough to be considered as public. As a result, at the first meeting of the SSRC NGRID, TMB and ATOS for WP2 and WP3 had written their deliverables (D2.2 and D3.2) in such a way that it could be disseminated at the level of 'Public'. However, DBL and AU representing WP1, had included information in D1.2 which was restricted material. They were happy to share this with the SECONOMICS project participants (including the Commission Services) but not the public. They were requested to produce a redacted version of deliverable D1.2 that could be shared with the public.

Going forwards it was decided that the industry case study work package deliverables would be written at the Dissemination Level of 'Public'. Any restricted information would be included in the appendices to these deliverables which would only be shared with the specific project partners with a need-to-know that information.

3.3 SSRC 2nd Meeting

The second meeting of the SSRC occurred on the 18th January 2013 and was hosted by UNITN and included a teleconference for those that could not attend in person. Following the first meeting of the SSRC, all industry case study owners had written their respective deliverables at the Dissemination Level of 'Public'. In addition, these deliverables included restricted appendices which were:

D1.3 Restricted appendices – shared from AU only with DBL

D2.3 Restricted appendices - shared from NGRID only with UNIABDN

D3.3 Restricted appendices - shared from TMB only with ATOS.

At this meeting, the method for sharing restricted annexes or appendices was also agreed between the attendees and these options are presented below:

- Sharing a hard copy of the annex/document by hand
- Sharing a hard copy of the annex/document by registered and guaranteed mail
- Sending an electronic copy by encrypted email
- Sending an encrypted electronic copy attached to a standard email.

3.4 Future SSRC Meetings

The next major milestones of the SECONOMICS project that includes deliverables from the industry case study work packages is at M24 so the next SSRC meeting will be held around that time.

4. Appendix 1

4.1 Meeting Details

Venue: Department of Information, Engineering and Computer Science (DISI), University of Trento, Via Sommarive 14, Povo, Trento, Italy

Date: 27th August 2012

Time: 15:30 BST

4.2 Attendance

The following people were in attendance at the first Security Scrutiny Review Committee meeting. The Seconomics partners that they represent have also been provided:

Representative	Seconomics Partner Organisation
Raminder Ruprai (Chair – representing Robert Coles)	National Grid
Fabio Massacci, Seconomics Project Director	Università Degli Studi di Trento
Julian Williams, Seconomics Scientific Director	THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN
Fabio Quintavalli	Deep Blue SRL
Ugur Turhan	ANADOLU UNIVERSITY
Micheal Pellot	FERROCARRIL METROPOLITA DE BARCELONA SA

4.3 Minutes of meeting

1. Round table introduction of the attendees. Raminder Ruprai explained that he is representing Robert Coles of National Grid as chair of the meeting with his agreement on the 10th August 2012.

2. Scope of the meeting is to cover the dissemination and release of information from the industry case studies WP1, WP2 and WP3. As models are produced in year 2 of the Seconomics project, we may also look at WP4, 5 and 6 but to a lesser extent.

3. For WP1-3 it is the responsibility of the work package leaders to decide whether information can be released via the deliverables of the work package to the other project partners and the European Commission.

4. It is noted that once a document is submitted or issued to the European Commission this should be considered equivalent to releasing the document to the public.

5. This meeting covers WP1, 2 & 3 deliverables due at the end of M6 namely:

   - D1.2 Airport Requirements First Version
   - D2.2 National Grid Requirements First Version
   - D3.2 Urban Public Transport Requirements First Version.

6. Work Package 1 – Deliverable D1.2 Airport Requirements First Version

- DeepBlue are interviewing people and obtaining disclaimers from those providing input to confirm that it can be included in the deliverable.
- All other sources are public. Any sources that are not public are not being used.
- Anadolu have created scenarios abstracted away from the real scenarios so the same data is not being used.
- Both DeepBlue and Anadolu are happy for the deliverable D1.2 to be:
  - shared with the Seconomics project partners
  - issued to the European Commission.
- Anadolu would like to make changes and specific redactions to deliverable D1.2 around operational security before it is uploaded on the Seconomics website.
- Julian Williams as Scientific Director and Fabio Massacci as Project Director have no issues or concerns around the dissemination or release of deliverable D1.2 to the Seconomics project partners or the European Commission. They will await the redacted version before uploading the deliverable to the Seconomics website.

7. Work Package 2 – Deliverable D2.2 National Grid Requirements First Version

- NGRID are taking information from its business, which may be internal and perhaps confidential, and putting it into the deliverable D2.2.
- To ensure it is suitable for public consumption the information has been redacted and abstracted where necessary.
- Given this step there is a governance check where the business may review the information included in the deliverable.
- Finally, National Grid's Chief Information Security Officer, Robert Coles, signs off that the deliverable is suitable for public consumption and thus can be shared with the Seconomics project partners and the European Commission.
- National Grid is happy for the deliverable D2.2 to be:
  - shared with the Seconomics project partners
  - issued to the European Commission
  - uploaded on to the Seconomics website for public consumption.
- Julian Williams as Scientific Director and Fabio Massacci as Project Director have no issues or concerns around the dissemination or release of deliverable D2.2.

8. Work Package 3 – Deliverable D3.2 Urban Public Transport Requirements First Version

- TMB are not using any special, sensitive or confidential information for Deliverable D3.2.
- All data used is, or equivalent to, public information.
- TMB is happy for the deliverable D3.2 to be:
  - shared with the Seconomics project partners
  - issued to the European Commission
  - uploaded on to the Seconomics website for public consumption.
- Julian Williams as Scientific Director and Fabio Massacci as Project Director have no issues or concerns around the dissemination or release of deliverable D3.2.

9. Another meeting of the Security Scrutiny Review Committee will be held before the end of M12 to cover WP1,2 & 3 deliverables due that month which are listed below:

- D1.3 Airport Requirements Final Version
- D2.3 National Grid Requirements Final Version
- D3.3 Urban Public Transport Requirements Final Version.

5. Appendix 2

5.1 Meeting Details

Venue: Department of Information, Engineering and Computer Science (DISI), University of Trento, Via Sommarive 14, Povo, Trento, Italy and via teleconference

Date: 18th January 2013 Time: 15:00 GMT

5.2 Attendance

The following people were in attendance at the Second Security Scrutiny Review Committee meeting. The Seconomics partners that they represent have also been provided:

Representative	Seconomics Partner Organisation
Raminder Ruprai (Chair – representing Robert Coles)	National Grid
Woohyun Shim (Representing Fabio Massacci)	Università Degli Studi di Trento
Ricard Munné	ATOS SPAIN SA
Ugur Turhan	ANADOLU UNIVERSITY
Micheal Pellot	FERROCARRIL METROPOLITA DE BARCELONA SA

5.3 Minutes of meeting

1. Round table introduction of the attendees. Raminder Ruprai explained that he is representing Robert Coles of National Grid as chair of the meeting with his agreement on the 17th January 2013.

2. Scope of the meeting is to cover the dissemination and release of information from the industry case studies WP1, WP2 and WP3. As models are produced in year 2 of the Seconomics project, we may also look at WP4, 5 and 6 but to a lesser extent.

3. For WP1-3 it is the responsibility of the work package leaders to decide whether information can be released via the deliverables of the work package to the other project partners and the European Commission.

4. It is noted that once a document is submitted or issued to the European Commission this should be considered equivalent to releasing the document to the public. However, this does not automatically mean that the document should be classified as PU (Public).

5. This meeting covers WP1, 2 & 3 deliverables due at the end of M12 namely:

   - D1.3 Airport Requirements Final Version
   - D2.3 National Grid Requirements Final Version
   - D3.3 Urban Public Transport Requirements Final Version.

6. Work Package 1 – Deliverable D1.3 Airport Requirements Final Version

   - Anadolu and DeepBlue have made changes to some information in the document following the scientific review.

- Outstanding queries around the operational scenarios have been dealt with and both DeepBlue and Anadolu are happy with the current document.
- Both DeepBlue and Anadolu are happy for the deliverable D1.3 to be:
  - shared with the Seconomics project partners
  - issued to the European Commission
  - uploaded on the Seconomics website.
- Therefore the main body of D1.3 can be classified as PU.
- Both DeepBlue and Anadolu agreed for the detailed scenarios to be shared only with URJC in a closed forum and not with other project partners at this stage.

7. Work Package 2 – Deliverable D2.3 National Grid Requirements Final Version

- National Grid has written the document at a level where it can be shared widely.
- National Grid has written one of the appendices as a separate annex containing the risks and impact assessments which is confidential due to its sensitivity.
- National Grid has decided to share the restricted annex only with the project partners who have a need-to-know requirement, currently only UNIABDN.
- National Grid is happy for the deliverable D2.3 without the restricted annex to be:
  - shared with the Seconomics project partners
  - issued to the European Commission
  - uploaded on to the Seconomics website.
- Therefore the main body of D2.3 can be classified as PU.

8. Work Package 3 – Deliverable D3.3 Urban Public Transport Requirements Final Version

- All of the sources used for D3.3 have been produced by external parties such as associations. There are no security concerns from TMB and ATOS by using them.
- TMB and ATOS have restricted one annex due to its sensitivity.
- TMB and ATOS are happy for the document with all annexes to be shared with the project partners. However, the chair recommended that the restricted annex is only shared with project partners who have a need-to-know requirement.
- TMB and ATOS are happy for D3.3 without the restricted annex to be:
  - shared with the Seconomics project partners
  - issued to the European Commission
  - uploaded on to the Seconomics website.
- Therefore the main body of D3.3 can be classified as PU.

9. Any other business

- TMB and ATOS asked what the methods are to share their restricted annex.
- The chair has suggested that a restricted annex should only be shared with partners who have a need-to-know the information.
- Where a restricted annex or document is being shared with a project partner this could be done is one of the following ways:
  - Sharing a hard copy of the annex/document by hand
  - Sharing a hard copy of the annex/document by registered and guaranteed mail
  - Sending an electronic copy by encrypted email
  - Sending an encrypted electronic copy attached to a standard email.