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CASSANDRA **Common assessment and analysis of risk in global supply chains**

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Executive summary

According to the Grant Agreement contract the public will be informed about the CASSANDRA project through a continually updated website. Basically it gives an overview of the project and provides compiled press material and publications.

This website is located at www.cassandra-project.eu. It is hosted by consortium member and coordinator TNO and is promoted by all the consortium members.

The development of the website is a continuous process and new information will be made available via this website throughout the project.

The objectives and goals of the CASSANDRA project are described and public results and all other relevant information will be placed on this website.

For the consortium partners a partner restricted website has been created, providing a web-based exchange system where information can be shared. Access to the information stored here is consortium restricted.

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1 Introduction

The CASSANDRA website is one part of the Task 720 – establishment of the CASSANDRA website carried out in work package 7 of the project.

The objective of this task is to inform the general public, the end users and the research community about the context, the project and the achievements of CASSANDRA. The website was launched on the 1st of July 2011. This was two months earlier than originally scheduled. For the CASSANDRA consortium partners a password-protected site was created where information and documents can be found and shared.

1.1 Objectives of the public website

The CASSANDRA public website was constructed to facilitate easy access for all involved: for the general public but also other interested parties to show what the project is about. Anyone visiting will get first hand and latest information regarding the status of the CASSANDRA project.

The website:

- Forms a first point of entry for interested third parties.
- Informs the general public about the ongoing and completed research activities.
- Hosts the publications of the project, downloadable by the general public (flyers and technical publications/results).
- Contact information for the consortium partners
- Provides links to EC documents related to the CASSANDRA project as well as to other research activities of other projects (e.g. the projects Integrity, ITAIDE).

1.2 Objectives of the partner restricted website

The CASSANDRA partner-restricted website was constructed to easily find and share information within the project. This part is password protected and different groups have different access to the information. This website is a communication medium to stimulate the information stream and to keep each partner, including the Commission, fully informed about the project. All legal documents but also the results, the meeting documents and reports can be found via this website. The contact list can be found here but there is also e-mail functionality available.

2 Website content

The public section of the CASSANDRA website can be found via www.cassandra-project.eu and:

- Provides a brief project summary in journalistic style highlighting the objectives, the goals, more information on living labs, data sharing and the structure of the CASSANDRA project including the composition of the CASSANDRA consortium.
- Consists of a news section where news articles can be highlighted.
- Consists of an event section where past and future events are mentioned including relevant information. It will refer to CASSANDRA events such as conferences as well as external events where CASSANDRA will have an active role (e.g. presentation of paper(s), organisation of sessions, stands with demos, etc.) or other interesting events.
- Provides a short profile of each of the CASSANDRA partners and a link to its web sites. This part already exists but will be extended in the near future.
- Provides access to the project public deliverables, copies of applicable publications and presentations done at external conferences in various formats (pdf, MSWord, etc.) but also other relevant documents free to the general public. It will contain both technical and scientific information.
- Pictures, photos and videos of relevant events can be viewed via the website. This part already exists and will be extended in the near future depending on the delivered content.
- Contains a page with links to stakeholders and other interested parties.
- Includes a “Contact Us” section enabling visitors to send a message to the CASSANDRA contact persons. The WP 7 leader together with TNO is in charge of this section and will act as a portal between the CASSANDRA project and the external world in order to facilitate the consensus building.
- Provides a newsletter subscription function.

Work package leader 7 (ISL) is responsible for content of the website.

Below you can see a number of screenshots from the public website.

CASSANDRA / Homepage

Home About Cassandra News Events Consortium Downloads Links

Improving Security through Visibility

The CASSANDRA project aims to make container security more efficient and effective. The project addresses the visibility needs of both business and government in the international flow of containerised cargo by developing a data sharing concept that allows an extended assessment of risks by both business and government. The CASSANDRA concept will improve supply chain visibility, efficiency of trade compliance and effectiveness of border control and supervision by combining E-Freight and E-Customs. CASSANDRA builds on previous EC FP7 projects INTEGRITY, SMART-CM and ITAIDE.

With increasing flows of containerised traffic and growing emphasis on (national) security, businesses and government are struggling to find efficient and effective means to ensure full supply chain control and security. A large number of research studies have been conducted to investigate supply chain dependencies, vulnerabilities and resilience. Supply chain security frameworks have been developed to support businesses in improving resilience and security. Governments are launching security programmes to involve in development of security standards and procedures.

Facts and figures

- CASSANDRA = Common Assessment and analysis of risk in global supply chains
- The three-year project CASSANDRA is part of the European Commission's Seventh Framework programme for Security
- CASSANDRA kicked off in June 2011 in Rotterdam, the Netherlands
- The CASSANDRA consortium comprises of 27 innovative industry leaders in the fields of Supply Chain Management, Logistics, IT, and Customs
- There are 27 CASSANDRA partners, from 10 different countries with a total budget of 15 million euro
- 60% of total budget will be spend directly on innovation whilst 24% of budget is used to demonstrate the CASSANDRA concept in Living Labs

News

Press releases >

Cassandra successful kick off meeting >

Events

August 28, 2011
EGOV 2011, 28 August - 2 September 2011 >

September 5, 2011
6th Future Security 5 - 7 september 2011 >

September 8, 2011
HICL 2011, 8 - 9 september 2011 >

September 14, 2011
Picard 14 - 16 September 2011 >

October 13, 2011
4th Conference ECITL 13 - 14 October 2011 >

October 25, 2011
IAME Conference 25 - 28 October 2011 >

November 8, 2011
Descartes Evolution 8 - 9 November 2011 >

Newsletter

Figure 0 CASSANDRA public website - homepage

CASSANDRA / Risk Assessment

Home About Cassandra News Events Consortium Downloads Links

Facts and figures

- CASSANDRA = Common Assessment and analysis of risk in global supply chains
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- There are 27 CASSANDRA

Risk Assessment

One of the ways in which CASSANDRA is achieving its final objective is by introducing a new approach towards risk assessment. Both business and government analyse the supply chain for possible risks, but both have a different perspective. Businesses look mainly for possible disruptions and are mainly interested in operational risk. For government, a key responsibility is to ensure safety for its citizens. Therefore customs authorities analyse supply chains - and especially incoming trade - for security risks.

Supply chain security framework

Risk, disruption and security can be seen together in the supply chain security framework as shown below. Sources of risk can lead to disruption when they affect vulnerable parts or aspects of the supply chain. Vulnerabilities of the chain depend on the logistic structure and design of the chain (e.g. interdependencies) and the measures that have been taken to make the supply chain less vulnerable to certain risks. These measures are summarized as security enhancing measures and consist of analysis tools, and preventive and reactive measures. Both businesses and government take security enhancing measures to avoid disruptions or reduce their impact. Analysis tools are a crucial part since these analyse the supply chain and give insight in the actual vulnerabilities, developments over time and the effect of taken measures. But analysis tools are as reliable and correct as the information that feeds them. This means that supply chain information that is used for risk (vulnerability) assessment is of crucial importance to both government and business, each for their own specific assessment goal (operations and security).

Diagram:

```

    graph LR
        subgraph RiskSources [Sources of risk]
            ES[External sources of risk]
            IS[Internal sources of risk]
        end
        subgraph Vulnerabilities [vulnerabilities]
            LSC[Logistics structure and concept (dependencies)]
            SEM[Security enhancing measures]
            subgraph SEM_Box [Security enhancing measures]
                direction TB
                H[Analysis tools]
                P[Preventive measures]
                R[Reactive measures]
            end
        end
        subgraph Disruptions [DISRUPTIONS]
            D[DISRUPTIONS]
        end
        RiskSources --> Vulnerabilities
        Vulnerabilities --> Disruptions
    
```

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This project is co-funded by the 7th Framework

Figure 2 CASSANDRA public website – risk assessment page

Figure 3 CASSANDRA public website – news page

Figure 4 CASSANDRA public website – links page

Special attention is given to the CASSANDRA newsletter. Via the website interested parties can subscribe to the newsletter. They will receive an automatic confirmation of their subscription.

The website intends to be the central location where comprehensive information about CASSANDRA can be found. The website will be used to promote events and publications and to advance key messages on the home page. All information is published in English.

In the near future links for social media (i.e. Facebook, LinkedIn) will be created on the CASSANDRA public website. More on this will be described in the Dissemination plan.

2.1 Partner-only website

The address for the partner-only website is <http://www.cassandra-project.eu/articles/partners-only.html>. The “partner-only website” is a password protected web-based management tool. On the partner-only website, all contract-related documents can be found. Also minutes of meetings, deliverables etc. will be placed here. There is a document exchange area where partners can upload or download files very easily. This website is password protected. Every user has their own username and password. Also the different topics on this website are protected and, depending on the security level, available only for specific groups. This partner protected website was launched on the 8th of July 2011. Below we show two screenshots from the partner restricted website. The structure of the folders can be changed by the partners in order to fit their needs.

The screenshot displays the 'CASSANDRA / Partners Only' website interface. At the top, there is a navigation menu with links for 'Sitemap', 'Contact', 'Newsletter', 'Disclaimer', and 'Partners Only', along with a search box. Below the navigation is a main menu with links for 'Home', 'About Cassandra', 'News', 'Events', 'Consortium', 'Downloads', and 'Links'. The main content area is divided into two columns. The left column is titled 'Login Partners' and contains a login form with fields for 'Username' and 'Password', and a 'Log in' button. The right column is titled 'News' and lists several news items and events, each with a date and a link to the full article. At the bottom of the page, there is a footer that reads 'This project is co-funded by the 7th Framework'.

Figure 5 CASSANDRA partner-restricted website – password protected

The screenshot shows a web interface for 'CASSANDRA' with the tagline 'Improving Security through Visibility'. The main content area is titled 'Workarea' and contains a description: 'Exchange files of all types in the document library. Its integration with Web Folders makes editing the documents you post here easier, and you can manage all the folders and files here directly from Windows Explorer.' Below this are buttons for 'add document', 'delete documents', 'manage folders', and 'search'. There are also options to 'show folders', 'Expand all', and 'Collapse all'. A table lists folders with columns for 'Title', 'Size', 'Posted by', and 'Modified'. The folders are numbered 00 to 15, including 'Legal documents', 'Deliverables final', 'Templates', 'Project logo', 'General Assembly', 'Executive Board', 'Advisory Board', and various 'WP' folders. A sidebar on the left contains navigation links like 'Welcome page', 'Forum discussion', 'Meetings', 'Document exchange', 'Email', 'Address book', and 'Photo Album'. A top right sidebar includes 'Search', 'Disclaimer', 'Website outline', 'Contact', and 'Public Site'. A calendar for July 2011 is also visible, with the 25th highlighted. The footer of the page says 'Hosted by Uniresearch'.

Figure 6 CASSANDRA partner-restricted website - structure

3 Conclusion

The CASSANDRA website has already received positive remarks since its launch on the 1st of July 2011.

The public website of CASSANDRA will be the first contact point for the different stakeholders in order to get basic information about the project and to contact the project consortium. The public website offers a concise description of the project and its objectives. Furthermore it introduces the project by using some visuals which is state-of-the-art for websites nowadays. The visitors may also contact the consortium – these contacts could also be used for the consensus building activities.

Visitors of the website may subscribe to a newsletter, which enables the CASSANDRA consortium to inform the visitors in an active way.

By using a Content Management System the public website can be updated easily. The content has to be delivered by the consortium and to be processed by the WP7 team – an appropriate mechanism has been created inside the WP7 team.

The partner restricted website offers functionalities for the consortium partners in order to get in contact with other partners and to share project related documents. The documents stored in this section are only accessible by the consortium, because this section is password protected.

4 Disclaimer and acknowledgement

4.1 Disclaimer

Use of any knowledge, information or data contained in this document shall be at the user's sole risk. Neither the CASSANDRA Consortium nor any of its members, their officers, employees or agents accept shall be liable or responsible, in negligence or otherwise, for any loss, damage or expense whatever sustained by any person as a result of the use, in any manner or form, of any knowledge, information or data contained in this document, or due to any inaccuracy, omission or error therein contained.

The European Commission shall not in any way be liable or responsible for the use of any such knowledge, information or data, or of the consequences thereof.

4.2 Confidentiality

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).

Confidential:

The document is for use of the GA No. 261795 Contractors within the CASSANDRA Consortium, and shall not be used or disclosed to third parties without the unanimous agreement within the CASSANDRA PMC and subsequent EC approval since document classification is part of the EC Grant Agreement.

Any executive summary specifically intended for publication may however be made known to the public by the author and/or the Coordinator.

4.3 Acknowledgement

This deliverable results from the CASSANDRA project, which is supported by funding 7th Framework Programme of the European Commission (FP7; SEC-2010.3.2-1) under grant agreement no. 261795. The CASSANDRA project addresses the visibility needs of business and government in the international flow of containerised cargo. It does so by developing a data-sharing concept that allows an extended assessment of risks by both business and government, thereby enabling enhanced supply chain visibility and cost-efficient and effective security enhancement. Ideas and opinions expressed by the [author(s) / reviewer(s)] do not necessarily represent those of all partners.