

## THE LIVING LABS

### PROJECT INTRODUCTION

The CASSANDRA project aims to make container security more efficient and effective. With increasing flows of containerized traffic and growing emphasis on (national) security, businesses and governments are seeking to find efficient and effective means to ensure full supply chain control and security. CASSANDRA addresses the visibility needs of both business and government by developing a data sharing concept, the so-called 'data pipeline' that allows an extended assessment of risk by both business and government.

An important part of the CASSANDRA project is the demonstration of both the new risk assessment approach and the pipeline concept in existing trade lanes, using a Living Labs research approach.

### WHAT IS A LIVING LAB?

The Living Labs research approach studies innovation in complex real world settings. A Living Lab is a form of action research in which real world partners are involved. A Living Lab goes beyond a mere pilot. It is a user-driven innovation instrument in which relevant stakeholders – both public and private – collaborate. The experimental setting provides a neutral ground where companies and institutions are usually willing to set aside differences, overcome obstacles, and focus on a creative collaboration to come to innovative solutions. The Living Lab facilitates collaborative action. It signals commitment, momentum of change and the opportunity to act and innovate.

### PARTICIPATION BY LIVING LAB PARTNERS

For the CASSANDRA project, the combination of a new Risk Based Approach (RBA) and the data pipeline is investigated and demonstrated in three Living Labs. In these Living Labs, both representative companies and government authorities will be involved, to ensure a real world setting. After a research phase in which first versions of the new RBA and pipeline concept are investigated and defined, the application of these developments to the individual Living Labs starts. This means that the participants in Living Labs will first give input to the on-going definition phase, after which refinement is still possible.

In the pilot phase, the pipeline and RBA will be put to practice in the Living Lab. This means the solutions are actually applied and evaluated in real life settings. Thereby, the Living Labs' participants will also give input to the evaluation phase of the project and thus provide a good understanding of the workability and possibilities for implementation. During the course of the Living Labs, the setting also encourages the participants to establish a collaborative network that aims for consensus-building and support policy making in order to work towards the actual adoption of the solutions.

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### **FACILITATION BY PROJECT CONSORTIUM**

Each individual Living Lab has its own specific community of stakeholders, which collaborates in the trade lanes. As there are three Living Labs in the project, there is an overall coordinator. This role is fulfilled by Delft University of Technology, which has experience with Living Labs and can create a neutral environment in which stakeholders can collaborate and apply the innovations of the project to real-world trade lanes.

As in-depth local knowledge and connections are required, each Living Lab also features a local administrator (a member of the stakeholder community of a specific trade lane) that sets up the Living Lab and the network of actors involved in it. The overall coordinator provides advice and support to this local administrator. Furthermore, the coordinator supports the network and stakeholder processes and specifically the public-private collaboration required for the Living Labs.

To support the facilitation of the Living Labs and the synthesis of the findings across them, the coordinator facilitates community building of the partners involved in the Labs, enables knowledge sharing between the various Living Labs and enables peer feedback between them.

### **CONTACT INFORMATION**

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