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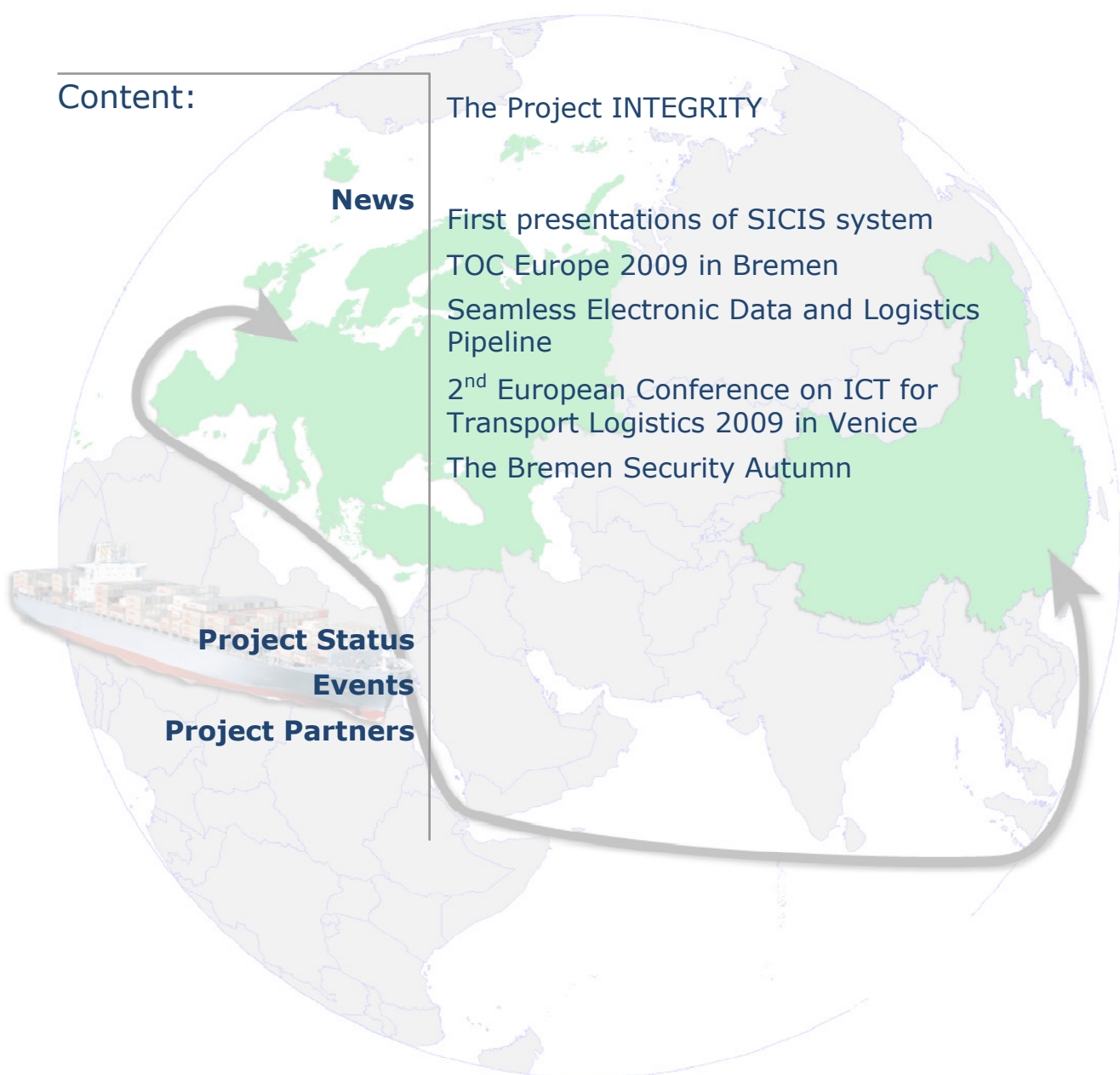
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The Project INTEGRITY

INTEGRITY – Intermodal Global Door-to-door Container Supply Chain Visibility

The INTEGRITY-project is funded by the 7th Framework Programme for Research & Development and liaises with several EU Directorates. INTEGRITY aims at significant improvements of the reliability and predictability of global door-to-door container transports by optimising the cooperation between transport industry and Customs Authorities in the China-EU trade corridor.



The kernel of the project is the development of the Shared Integrated Container Information System (SICIS) allowing authorised companies and authorities to access planning and status information of selected consignments. Proactive planning according to the SCEM (Supply Chain Event Management) approach allows problems to be forecast well before they might occur. Matching logistics data with security information, including data from electronic seals, container security devices, and scanning equipment, together with the integration of the AEO (Authorised Economic Operator) concept, are basic concepts. Ongoing efforts, e.g. from the EU-China Customs Project (SSTL) will be included in the total concept.

Demonstrating the benefits following 5000 containers in their door-to-door transport from China to Europe will prove the applicability of the INTEGRITY approach.

News

First presentations of SICIS system

On June 4th and 17th, 2009, first internal presentations of the functionality of the SICIS system took place. The presentations were performed by Mr. Eric Lung from HIT in Hong Kong and observed via internet by INTEGRITY project partners in Rotterdam, Felixstowe and Bremen.

The challenge of SICIS – Shared Intermodal Container Information System - is the combination of existing technologies and new business processes together with legal and administrative agreements. The full-scale integration of IT systems along the chain enable the creation of this shared intermodal container information system containing either the data itself or links to the data providers (such as port community systems, shipping lines, port authorities) allowing fast and reliable access possibilities. The SICIS system will be an open system, accessible to everyone eligible (limited to the information relevant to that party).

The audience of the presentations appreciated the status of development of the

system achieved so far, being

- System architecture proven to be applicable
- Functions for granting access permissions for different user groups are working according to the specification
- Trade lane partners are enabled to manage their own supply chains including all participating players.

With this progress, it seems evident that the first demonstration of the SICIS system in a real-world scenario in September 2009 is feasible as planned. Further periodic progress meetings will be organised in the same way.



TOC Europe 2009 in Bremen

The Terminal Operators Conference Europe – TOC Europe entitled “Survival of the fittest” took place in Bremen from June, 16th to 18th 2009.



ISL in particular presented the projects INTEGRITY – “Intermodal Global Door-to-door Container Supply Chain Visibility”, CHINOS – “Container Handling in Intermodal Nodes – Optimal and Secure” and further ventures at its well visited booth at the Exhibition and Conference Center Bremen.

Two workshops moderated by ISL were held at the Bremen Exhibition and Conference Center. On June 16th, the technical Workshop “Impacts of automation – forecasting costs and productivity” was presented by ISL Bremerhaven. During the 2nd workshop “Using simulation technology to support container terminal planning operations” on June 18th the ISL introduced VITO – “Virtual Terminal Optimising Tool” to support terminals getting fit. With the help of VITO, terminal layout, equipment as well as strategies can be optimised during all phases of planning from start-up to operation.

Seamless Electronic Data and Logistics Pipelines

An article that included a reference to the INTEGRITY Project appeared in the April issue of the World Customs Journal. Customs is an important element of the Integrity Project and UK and Dutch Customs are active members of the Consortium.

The article was written by David Hesketh of HM Revenue and Customs in the UK and titled "Seamless electronic data and logistics pipelines - a shift of focus from import declarations to the start of the commercial transaction". It focuses on more effective automated data management and addresses the need for globally networked Customs and integrated border management. This ties in with the WCO's perception of Customs in the 21st century, which includes strengthened cooperation between Customs administrations, businesses and other government agencies.

David Hesketh emphasises the necessity to return to basics and re-assess why Customs are in business. Customs in the United Kingdom have re-confirmed that their role is to collect revenue, facilitate trade, protect society and collect trade statistics. This means working in partnership with businesses to increase compliance and bear down on non-compliance using IT systems and intelligence-led risk management. But even more radical is the idea of shifting the emphasis from the point of importation to as far upstream in the supply chain as possible and considering the role of the consignor in feeding accurate information into an electronic data pipeline. This is the main aim of the Shared Intermodal Container Information System (SICIS) within the INTEGRITY Project.

If you would like to have more information about this article you can download it as PDF-file from the website www.worldcustomsjournal.org.

2nd European Conference on ICT for Transport Logistics 2009 in Venice

The 2nd European Conference on ICT for Transport Logistics (ECITL `09) will take place in October, 29 – 30 in Venice.

The event is organised by several independent EU funded projects dealing with different fields of transport logistics. It is focused on topics addressing current and future available solutions regarding increased efficiency and sustainability. The target audience includes everyone who is involved in logistics operations, e.g. logistics operators, industry, infrastructure providers and authorities.

ISL – coordinator of the EU funded project "INTEGRITY – Intermodal Global Door-to-Door Container Supply Chain Visibility" will organise a parallel session on security of the Venice conference. Further involved projects are EURIDICE, FREIGHTWISE, RISING, ROADIDEA, SmartCM and Smartfreight.

The official "First Conference Announcement" could be downloaded from the INTEGRITY website www.integrity-supplychain.eu.

The Bremen Security Autumn

Two security conferences will take place in Bremen this autumn - first in September, second in November 2009.

On September 10th the European Commission will arrange the **"Conference on Container Security"** at the Town hall of the Free Hanseatic City of Bremen.

Containers represent a significant part of the international trade and supply chains, which are the backbone to Europe's economy. Container transport involves numerous manufacturers, logistic nodes operators, platforms and container ports. Improving their security requires an integrated research and development approach, including risk assessment, traceability, secure exchange between nations and across operators, and fast but effective screening.

In the framework of this approach, the Commission is ready to work with the US to find possible technological solutions to help address the security concerns linked to container transport. The topics of the conference are "Main issues in container security in Europe" and "New technological developments".

(For more information please visit <http://ec.europa.eu/enterprise/security/csc.htm>)

From November 15th until 17th, 2009, the **"Supply Chain Security Conference"** – an event accompanied by an exhibition – will take place at the Bremen Conference Centre.

This Container Security Conference is titled "Challenges in Logistics and Global Trade" and is offering presentations and round table discussions involving aspects of government agencies as well as industrial parties concerned such as port operators, carriers, freight industry, importers and exporters, insurance companies and manufacturers. Moreover, technology solutions enhancing container security will be presented.



Supply Chain Security • Bremen 2009
4th Conference and Expo • 15-17 November

ISL - Institute of Shipping Economics and Logistics Bremen/Bremerhaven - is dealing with these questions as Coordinator of the EU funded project "INTEGRITY – Intermodal Global Door-to-Door container Supply Chain Visibility". The responsible Director, Dr. Frank Arendt, is involved in the Programme Committee of the „4th Supply Chain Security Conference" in November.

(For more information please visit <http://www.container-security.org>)

Project Status

Three work packages (WPs) – “Global Container Supply Chain Management”, “Specific Requirements of the INTEGRITY Corridors” as well as “Common Requirements, KPIs and Draft Concepts” - are finished. Public results, for example the **Global Container Supply Chain Compendium** are available for download from the INTEGRITY website www.integrity-supplychain.eu.

	2008				2009				2010				2011	
	June	3. Quarter	4. Quarter	1. Quarter	2. Quarter	3. Quarter	4. Quarter	1. Quarter	2. Quarter	3. Quarter	4. Quarter	1. Quarter	April	May
WP0 - Management														
WP1 - Global Container Supply Chain Management (jointly SmartCM)														
WP2 - Specific Requirements of the INTEGRITY Corridors														
WP 3 - Common Requirements, KPIs and Draft Concept (joint SmartCM)														
WP 4 - System Specification														
WP 5 - Implementation and configuration of INTEGRITY tools														
WP6 - Adoption and Impact assessment														
WP7 - Demonstration and Validation														
WP8 - Dissemination and consensus building														
WP9 - Exploitation														
WP10 - Networking and international cooperation														

The development of the INTEGRITY system specification, implementation and configuration is according to schedule. The trade lane template development is completed. The 3rd prototype demo of “SICIS – Shared Intermodal Container Information System” took place on 2nd July and the external systems interface development has also started. A detailed integration test schedule will be further aligned with the partners. The first demonstration of the SICIS system in a real-world scenario is planned in September 2009.

The benefits analysis approach was finished at the beginning of July 2009. The results involve a detailed analysis of the trade lanes, specifics about the potential benefits for these trade lanes, and detailed statistical analyses together with a simulation model. The latter provides a benefit modelling approach regarding the implementation of the SICIS system.

Events

08.07. – 09.07.2009	Project Management Committee Meeting, Celerina
September 2009	First Test Run of SICIS
10. September 2009	Conference on Container Security, Bremen
10.09. – 11.09.2009	HICL – Hamburg International Conference of Logistic, Hamburg
22.09. – 25.09.2009	ITS09 Congress, Stockholm
29.09. – 01.10.2009	Future Security Conference, Karlsruhe
29.10. – 30.10.2009	2 nd European Conference on ICT for Transport Logistics, Venice
15.11. – 17.11.2009	Supply Chain Security Conference and Expo, Bremen

Project Management Committee Meeting, Celerina

On July 8th and 9th, 2009 the third Project Management Committee (PMC) meeting of the INTEGRITY project took place at the city of Celerina, Switzerland, hosted by the Cross-border Research Association (CBRA). During the meeting, project results achieved so far were presented and discussed and the further procedure of the work within the project was coordinated. All participants in the meeting agreed that the project is well on schedule and the results achieved so far are very satisfactory. The next milestone of the project will be reached in September, 2009, when first demonstrations of the SICIS system will be performed in a real-life environment.



Project Partners



Coordinator



Ministerie van Financiën



Port of Felixstowe



Europe
Container Terminals



Yantian International
Container Terminals



Trimodal Container
Terminal Venlo



Duisburger Container-Terminalgesellschaft
Multimodal Container Network



HM Revenue
& Customs



XEROX



A.S. Watson Group



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