FInest – **F**uture **In**ternet **e**nabled optimi**s**ation of **t**ransport and logistics networks

D10.4

Interim Report and Revised Plan for Dissemination and Standardization

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Abstract

Work package WP10 covers all activities that are necessary for achieving the impact that is planned for the FInest project. The aim is to present and promote the uptake of the project results by various stakeholders (internal and external to the project) and interest groups. To this end, WP10 will present the project and work results to the broader public and research communities (dissemination), prepare for the usage and industrial uptake of the project results by the consortium partners as well as by other interested parties (exploitation), and prepare for a substantial and long-term impact by promoting the project results for standardization.

To achieve maximal impact of the project, the specific objectives for <u>dissemination</u> and <u>standardisation</u> are:

- *Setup and maintain a public website of the project,*

- *Define and continuously update the dissemination plan for the project, prepare dissemination material, and identify targets for the publication of scientific results,*

- *Organize and participate in industrial as well as in scientific events to present the project,*

- *Identify standardization opportunities and promoting the project results to international and business-relevant standardization bodies.*

This deliverable reports on the progress achieved at the end of first year for what concerns the above objectives, specifically presenting a plan for dissemination and standardization, which will be continuously updated throughout the project's lifetime.

Document History

Version	Date	Comments
V0.1	21-10-2011	First draft
V0.2	13-03-2012	Second draft
V1.0	30-03-2012	Final draft
V1.1	31-03-2012	Final

Table of Contents

List of Tables

List of Figures

Acronyms

Acronym	Explanation
DWG	Dissemination Work Group
ERRAC	The European Rail Research Advisory Council
ERTRAC	The European Road Transport Research Advisory Council
ICT	Information and Communications Technologies
ISI	The Integral Satcom Initiative
FI	Future Internet
NEM	Networked Electronic Media
NESSI	Networked European Software and Services Initiative
PPP	Public Private Partnership
SME	Small and Medium sized Enterprise
V1.0	First draft
WP	Work Package

1. Introduction

The purpose of this document is to provide the dissemination and standardization plan which will be used to present and propagate FInest project and the project results to the broader public in general, the relevant scientific communities, and to other external parties that are potential adapters of the project results. The whole potential stakeholders to be addressed in dissemination activities can be seen in Figure 1 which are connected to the Collaboration and Integration Platform.

This document will cover FInest dissemination strategy and the means and channels for dissemination. It will present FInest dissemination and standardization plan and list the future events which are the potential candidates for the project dissemination activities. It will summarize the first year dissemination results and make conclusions of the activities.
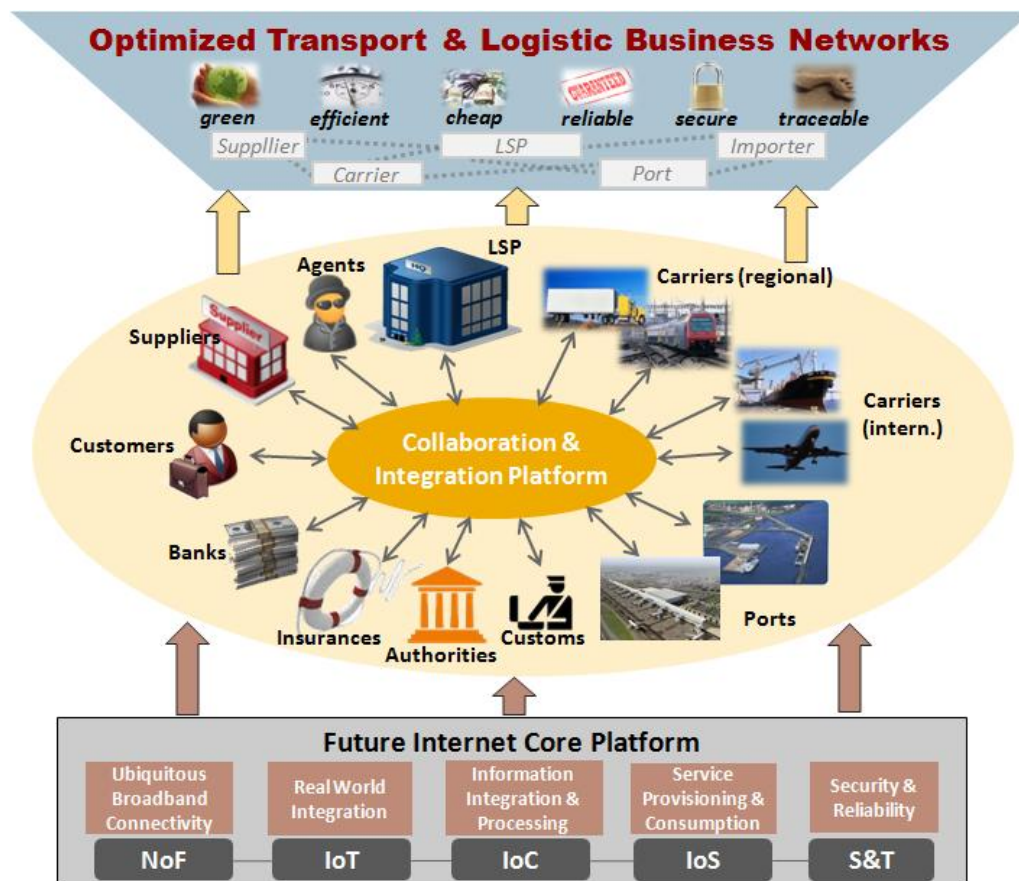
Figure 1 - Future Internet enabled Collaboration & Integration Platform for Transport & Logistics

2. Dissemination Strategy

The project dissemination approach strives to achieve effective communication of the FInest results to relevant stakeholders, including end users, scientific communities, public and industrial adopters and vendors. We acknowledge the importance of adequate dissemination of results and its influence on the momentum the project will attempt to build. Thus all partners will contribute to the dissemination of the project results. Specifically, the specifics of FInest as an FI PPP Use Case Project will ensure that two key sectors are addressed:

a) the Transport and Logistics sector; and
b) the ICT sector.

The FInest outcomes and results will be communicated for external awareness creation and knowledge building within the targeted user, industry, public and scientific communities of the European Union and beyond. This communication will demonstrate the benefits of FInest outcomes to potential users. In order for the dissemination to be effective, an integrated approach will be followed, combining early identification of relevant stakeholders (including the transport and logistics stakeholders identified in the project), strategic planning, and guidelines on one hand with an effective communication platform (making use of novel Internet capabilities), the timely publication of results, and the participation of FInest partners in key events, on the other hand.

During the course of the project, WP10 (Dissemination) will continuously identify additional relevant publication opportunities and actively encourage the project members to publish the project results in those forums.

2.1. Major Target Audiences for Dissemination

Major *target audiences* for dissemination:

(1) The *general public and end users,*
(2) *Research communities and FI PPP community*, especially on Future Internet technologies and research on domain-specific ICT support for international transport and logistics,
(3) *Industry and SMEs*, including early adopters, vendors and decision makers,
(4) *Public bodies/Policy Makers*.

2.2. Major Sectors for Dissemination

Major *sectors* for dissemination:
(a) The *transport and logistics sector,* which is interested in the FInest results from the application side ("application pull");
(b) *ICT industry*, which is interested in the FInest results from the technology provider side ("technology push");

2.3. Messages and Approaches

It is necessary to define the most suitable messages and communication approaches most appropriate for the different target audiences which are listed above. This will include both FInest project messages as well as the FI PPP programme level messages. The over-arching message at the FI PPP programme level has been identified through the slogan: "The Future. Now." "Future Logistics" is the slogan of FInest project and it is embedded into the project logo. This slogan will be used in all project communication channels (website, banner, newsletter, etc.).

The messages for the target audiences are as follows:

- For the *general public and end users*, the main message is that FInest PPP will provide a convenient and easy access to a Supply Chain Management platform which allows interacting with all parties related avoiding dedicated set up of complex ICT integration among the parties. The Finest PPP will increase the transparency and efficiency of logistics and transportation operation and it will contribute to sustainability by reducing emissions caused by global transport. Cost reduction due to higher efficiency and lead time optimization due to high level of transparency all over the SCM process will benefit the global supply chain business. The programme level *message* will be the developing solutions to the key social challenges as well as to design future scenarios for sustainable development.

- For the *Research communities and FI PPP community*, Dissemination conveys the message that the FInest as well as FI PPP is industry-led and coherent with EU ICT policy (e.g. the Digital Agenda) on the one hand, while open to the engagement of all of Europe's ICT innovation ecosystems including SMEs and individual researchers on the other. For researchers, the use cases and scenarios thus can serve as relevant and realistic case studies and thus have the potential to create significant interest in the project results. The main message within the FI PPP community is to improve the spirit of cooperation and collaboration working towards common goals.

- For *Industry and SMEs*, FInest PPP is a tool for quick and easy business partner integration. Time would not be a major constraint to make business networks operational. Overall process transparency allows complex monitoring and reducing the impact of process deviations. This is the key to reduce costs and improving the service quality.

- For *Public bodies/Policy Makers*, the main message is of the strategic importance of the FI PPP, in order to engage them in an active governance of the new dynamics emerging from the development and introduction of FI PPP products and services.

2.4. FI PPP Dissemination Work Group

The purpose of the FI PPP Dissemination Work Group (DWG) is to focus on overall Program level dissemination coordination. This means that CONCORD Future Internet PPP Programme Facilitation and Support Action and all FI PPP use case projects will jointly create and coordinate a dissemination regime and PR strategy for various audiences. The Dissemination work group helps to CONCORD to maintain a shared vision and unified front for the Programme as a whole. It is to strengthen the diffusion of ideas and results, produced by FInest and other use case projects dissemination activities to cover a wide range of dissemination channels. There may be some synergies between the Programme level and Project level

dissemination events and publications. However, these two streams of communications have different focus and audiences.

3. Dissemination Means and Channels

The FInest Dissemination means and channels which will be used for *spreading of the project results* include:

- Project web site (http://www.finest-ppp.eu/),

- The FInest Corporate identity, consisting of the logo and its uses, and templates for a coordinated graphics image.

- Material to create awareness at relevant events such as posters, flyers, brochures, banners, leaflets and others.

- Media outreach to inform the general public and niche communities;

- Publications at highly visible conferences and in journals, ranging from forums that address practitioners to forums that are targeted towards the research community. The list of candidate conferences and journals for scientific and industrial dissemination of the FInest results can be seen in Section 3.2;

- The main Communication Channels used to convey information, from the FI PPP Portal to press releases.

3.1. Corporate Identity

1.3.1. Graphic Design

FInest corporate identity is based on its following logo:

The FInest logo slogan has been changed from "Future of Logistics" to "Future Logistics" and it will be used in all documents after 6 month deliverables prepared.

The FI PPP corporate identity which will be used in all FI PPP projects and in FInest dissemination materials is shown below:

The FInest logo is used to prepare templates for the project. These FInest templates are listed below:

- presentation (ppt)

- deliverable (doc)

- use-case

- questionnaire

- meeting minutes

- teleconference minutes

3.2. Communication Tools and Channels

Communication Channels for the FInest PPP are defined in relation to the target audiences and communication messages discussed in the previous section of this document.

2.3.1. Web Site

FInest project website will be the single point of entry for access to all relevant information of the project, including general information about the project, the public project results such as architectures, use case scenarios, downloadable prototypes, etc. The website also have a private section that contains internal documentation, reports, calendars, etc. and is only accessible to members of the FInest project consortium and – in accordance to the PPP-wide agreements – members of other FI PPP projects.

Further details about the website are described in deliverable D10.1 Public project website.

2.3.2. Events, Conferences and Trade Shows

FInest members will publish their results in different forums. Those include research forums (such as conferences and workshops), industry events and trade shows, as well as more general dissemination events (e.g., related to the FI PPP activities).

Further, the target forums addressed span the following areas, representative of FInest's members and ambitions.

A list of major, potential events and conferences for dissemination is to be found in Section 4.2.

2.3.3. Publications

In addition to the above events that serve as prime forums publishing the research and development results of FInest, dedicated dissemination material will be developed which is going to be used by all project partners as a dissemination tool, and could be used for magazines and the like.

In addition to participating in research conferences, publishing in international journals is considered and important activity for disseminating FInest results. Potential journals which have been identified is presented in Table 7 in **Appendix 8.13**. Of course, due to the short duration of Finest of 2 years, such submissions and publications in journals are expected to appear more towards the end of the project.

2.3.4. Press Releases and Media

FInest partners will strive to disseminate FInest in press or TV channels during upcoming events and project meetings. then a newsletter or a targeted info material will be prepared to disseminate the actual progress and intermediate results.

2.3.5. FI-PPP

There will be events and conferences in which programme-level dissemination will be done with FI PPP Community in addition to project level dissemination.

These will apply mainly to international events and conferences. National, regional and local events and conferences can also be categorised this way and presence will be evaluated according to the relevance of the event.

2.3.6. Thematic Networks and Associations

Networks can be considered one of the most relevant dissemination channels for the FInest project. The following tables show the potential targeted thematic networks and associations:

Initiative	Description	Members
Future Internet Assembly (FIA)	FIA constitutes the collaboration between projects to strengthen European activities on the Future Internet, in order to ensure Europe maintains its competitiveness in the global marketplace. FIA brings together around 150 research projects (as part of FP7 Challenge 1).	SAP, UDE, IBM
NESSI (The Networked European Software and Services Initiative)	The Networked European Software and Services Initiative is the European Technology Platform dedicated to Software and Services. It unites 434 member organizations split equally between industry and academia, and includes 30% of SMEs. 6 NESSI Strategic Research projects are currently in operation, involving over 120 organizations and 4 additional projects are joining in 2010. NESSI also operates a concerted research coordination strategy whose goal is to enable each project to position itself with respect to other projects within a coherent approach to services architectures. To further contribute to the coherence of European research and avoid fragmentation of efforts, NESSI has also set up the network of National and Regional Initiatives.	SAP, UDE, IBM, Arcelik

EIT ICT Labs	The European Institute of Innovation and Technology (EIT) is a new EU instrument for promoting innovation in Europe that has established 5 innovation centers in Berlin, Eindhoven, Helsinki, Paris and Stockholm. The aim is to turn Europe into the global leader in ICT Innovation and improve quality of life through service based applications for the citizens of Europe and beyond by building joint European innovation clusters among the ICT industry and academic research. The thematic areas have a high overlap with those of the FI PPP	SAP

Table 1 European FI Initiatives

Additionally, the following Support Actions are related to FInest:

- SOFI (SA on Services),
- IoT-i (SA on Real World Internet),
- FIRESTATION (SA for Experimental Facilities / FIRE),
- EFFECTS+ (SA for Security and Trust),
- MANA (supports research in the area of Management and Service-aware Networking Architectures and aims to create a core platform as the basis for the Future Internet).

European Transport and Logistics initiatives in which partner organizations take part are listed in the below table.

Initiative	Description	Members
Logistics Cluster NRW	The Logistics Cluster NRW is an initiative of the German federal state of North-Rhine Westphalia involving a great diversity of partners from the logistics business. By driving an intense collaboration and information exchange between the various companies and research facilities, the initiative aims to make the state NRW Europe's most successful area in logistics services. The Logistics Cluster NRW therefore supports the formation of a logistics community, drives political, technological and economic strategies and aims to enhance the logistic business' image of the federal state.	UDE, SAP
LogistikRuhr	This logistics initiative of the German federal state of North-Rhine Westphalia aims to develop the collaboration between the logistics research and business parties by identifying pressing challenges in the logistics business, transforming them into research questions and finally conducting a fast implementation of the results. By applying this strategy, the initiative wants to preserve the local firm's competitiveness and thus ensure business growth and job safety. It focuses on topics such as logistics-as-a-service, urban logistics and sustainability.	UDE
IATA	An international trade body, created over 60 years ago by a group of airlines. Today, IATA represents some 230 airlines comprising 93% of scheduled international air traffic. The organization also represents, leads and serves the airline industry in general.	AF-KLM

FIATA	A non-governmental organisation, represents today an industry covering approximately 40,000 forwarding and logistics firms, also known as the "Architects of Transport", employing around 8 - 10 million people in 150 countries.	AF-KLM KN
AEA	the Association of European Airlines - brings together 36 major airlines, and has been the trusted voice of the European airline industry for over 50 years.	AF-KLM
BVL (German Logistics Association)	The BVL associates more than 10,000 members from every logistics-related sector in Germany. It is a neutral platform for managers to link up and exchange with others in the field of logistics and across borders of companies and organizations. The German Logistics Association stands for efforts in forward-looking concepts and gives impulses to the German and international logistics-sector. BVL is a platform for exchanging ideas and experiences among executive managers and offers diverse services around the logistics-sector.	UDE
VDI – Working Group SCM (Association of German Engineers)	The working group discusses current trends in Supply Chain Management and related sectors. By involving students from various logistic-related disciplines, the group tackles the challenges evolving from the high interaction of different companies and especially focuses on the support by IT systems.	UDE
ASIM (Work Group Simulation)	ASIM is a working group especially for simulation and modeling. It aims are to enhance the connection between theoretical approaches and practical implementations as well as to advance existing concepts. ASIM consists of different sections that concentrate on specific parts of the diverse fields of simulation and modeling.	UDE
VDMA (German Engineering Federation)	The trade association for materials handling and logistics systems of the VDMA subsumes about 200 companies and hence is Europe's biggest association in this business area. It offers several services to their member companies, including information exchange, business marketing and market analysis in the field of intralogistics. Additionally, they hold international contacts by contributing to the European Federation of Materials.	UDE
ARUS – Logistics (Advanced Research on Urban Systems)	The University of Duisburg-Essen decided to concentrate on the field "Urban Systems" as one of several focuses. ARUS, founded in 2010, is the related doctoral program that follows the aim to explore the changes in urban areas from a specific view as well as with an interdisciplinary background and offers doctoral students diverse possibilities for national and international research.	UDE
WGTL (German Scientific Society for Logistics Engineering)	The German association WGTL aims to drive technological innovation in the logistics sector by conducting a cooperative research and development for supporting the logistic companies in meeting their customer's requirements. The association is a cooperation of various German professors, each holding a professorship for logistic-related research areas and hence represents a multidisciplinary and academic initiative supporting innovation in the logistics area.	UDE

Initiativkreis Ruhr (Interest group of the metropolitan Ruhr area)	The Initiativkreis Ruhr is an association of about 60 leading companies in the German metropolitan area called "Ruhrgebiet". The initiative aims on the concentration of economical know-how to create forward-looking strategies and business concepts to strengthen the region around the river Ruhr.	UDE
BME (German Association Materials Management, Purchasing and Logistics)	The BME associates about 7,500 members from single persons to SMCs and top German enterprises related to the topics of materials management, procurement and logistics. BME aims to offer a network for these participants to communicate and exchange their experiences. This involves diverse services e.g. meetings and conferences to connect its members.	UDE
SUPPORT	The SUPPORT project aims to tackle the challenges of an efficient and safe handling on ports, considering both potential threats on passenger life and economic damage due to unlawful attacks on port facilities. The current challenges existing due to the complexity of operational modalities of sea and hinterland traffic and the lack of efficient organizational and technological interfaces are faced by engaging representative stakeholders to guide the development of next generation solutions for upgraded preventive and remedial security capabilities in European ports. SUPPORT will deliver public formal specifications and open standards based tools that will aid security upgrade in EU ports and will be complementary to and usable by other EU projects and initiatives in this area.	MARINTEK

Table 3 European T&L initiatives

European Technology Platforms (ETPs), Industry Federations and Associations, National technology Platforms (NTPs) and Industry Research Association are also considered as dissemination channels.

4.   Updated Dissemination Plan (Month 12)

The dissemination plan will be a guide continuously updated with the activities to carry on as the project results are produced.

In order to achieve the desired results in both collaboration and publicity, FInest has to carry out a series of actions to ensure that all of the above will be performed effectively and in a way that the project's reputation and effort will not be risked at any point.

In the following table we present an initial high-level description of the planned activities that follow the above mentioned steps and approach. Of course, all of these initial guidelines and rules are subject to continuous revisions and refinements.

The initial, general plan for the FInest dissemination activities is presented in the following table for the duration of the project.

Activity	M0 to M6	M6 to M12	M12 to M18	M18 to M24
Dissemination and Standardization Plan	Initial Plan	Interim report and revised plan for dissemination and standardization		Final report and phase 2 plan for dissemination and standardization
Publication of Papers and Journals	2	4	8	12
Conferences, Events and Trade Shows	2. FI-Summit in Luxembourg, ICTurkey 2011, NEM Summit 2011,	FI-Week in Poznan, Innovation Convention 2011 Brussels, ITT WS & EXH. Istanbul, Logitrans TLE Istanbul, LDIC 2012 Bremen,	SRII Conference (US), BVL Scientific Event (Hamburg) , Transport Research Arena (Athens), ESSOC (Bertinoro), ICSOC (Shanghai)	
Workshops	FIA Week in Budapest	Service Wave 2011 in Poznan	FIA Week in Aalborg	
Newsletter / Brochure	First newsletter (kickoff)	Glossy brochure (for FIA Poznan)	New version of newsletter (showing major findings) for FIA Aalborg	Final results brochure (as port of FI PPP?)
Website	Continuously updated			

Table 4 FInest Dissemination Activities

4.1. Web Site

FInest project website can be reached at http://www.finest-ppp.eu/. A snapshot of present home page can be seen in Figure 3.

4.2. Events, Conferences and Trade Shows

The Table 6 in Appendix 8.12 shows the major dissemination forums organized along the type of events and the relevant areas of the FInest project.

Based on this initial list of key events, FInest maintains a list about forthcoming and past events, conferences and trade shows considered as potential ground for FInest dissemination activities.

This list is continuously updated and relevant events that match with the dissemination strategy outlined above are selected bi-weekly by the FInest project management board. That list as of Month 12 can be found in **Appendix 8.14**.

4.3. Publications

In addition to the research forums identified above, FInest members strive to publish mature results in journals.

The Table 7 in **Appendix 8.13** includes a list of potential journals as relevant targets for FInest results.

4.4. FI PPP

There will be events and conferences in which programme-level dissemination will be done with FI PPP Community in addition to project level dissemination. These events will be listed by CONCORD project in their web site.

4.5. Collaborations with Other Projects

FInest team identified several projects which are related to various aspects of FInest, and plans to pursue potential collaboration with them, or leverage results of those of which that are completed.

1. FreightWise: A project within EU FP 6 that aimed at bringing together transport management, traffic and infrastructure management, and administrative authorities, in order to develop transport solution and integrated transport chains. There are several items pursued by FreightWise which are mutual to FInest (e.g., creation of transportation plans based on search of available services, monitoring transport execution, definitions of a common framework in the transport sector, as well as terms and role descriptions). As a starting point, FInest team will learn from the experience as published in deliverables of Freightwise. Freightwise ended as a project, but FInest team will strive to learn from the experience and results of that project.

2. e-freight: a project within EU FP 7 whose aims are: (i) Open freight transport e-market places to enable transport users to identify and use transport services most suitable for their needs (ii) provide transport chain management to allow establishing and monitoring end-to-end transport chains, (iii) simplification and harmonisation of regulatory requirements across modes and EU States, (iv) Definition of a e-Freight platform, where use of the Single Window concept is central, (v) work with standardisation bodies such as GS1, UBL and unCEFACT.

FInest team will strive to collaborate with e-Freight; for example, FInest could potentially connect to the e-market place developed by e-Freight. Furthermore, each project should strive to learn from the other project's experience.

3. InstantMobility: A FI-PPP project dealing mostly with the optimization of transport within urban areas. Contact was established with InstantMobility early on, and possible collaboration was discussed. One possibility that will be explored is that InstantMobility solution can help FInest users in planning "the last mile" - the part of freight that deals with bringing the shipment from city entrance or nearby warehouse to an address within the city. FInest team will strive to realize this collaboration.

4. SmartAgriFood: A FI-PPP project dealing with several aspects of the agricultural food chain. Contact between FInest and SmartAgriFood was established early on, and possible collaboration was discussed. In particular, one of the options that was raised is the employment of FInest solution for supporting the Agri-food logistic management that SmartAgriFood is planning to implement.

5. EURODICE: An FP7 project in the Transport area whose major goal is to build an information services platform centred on the individual cargo item and on its interaction with the surrounding environment and the user. The primary goal of the EURIDICE architecture is to implement the Intelligent Cargo Network, formed by identified cargo objects, cargo-centric information services and defining intelligent cargo agents to assist the exchange of cargo related information.

6. Several projects are not related to the T&L domain but their R&D results can potentially be leveraged towards the architecture of FInest; the following projects are currently being considered by the FInest team: 4CaaSt, ACSI, RESERVOIR, SERVFACE, SLA@SOI, SAO4ALL, THESEUS / TEXO.

4.6. Thematic Networks and Associations

The potential targeted thematic networks and associations for FI and T&L initiatives are listed in Table 1 and Table 3 Table 3 European T&L initiativesrespectively.

4.7. Stakeholder Involvement Approach

FInest consortium has developed a Stakeholder Involvement Plan to increase the impact of FInest project and exploitation of its results. The initial approach can be seen in **Figure 2** below.
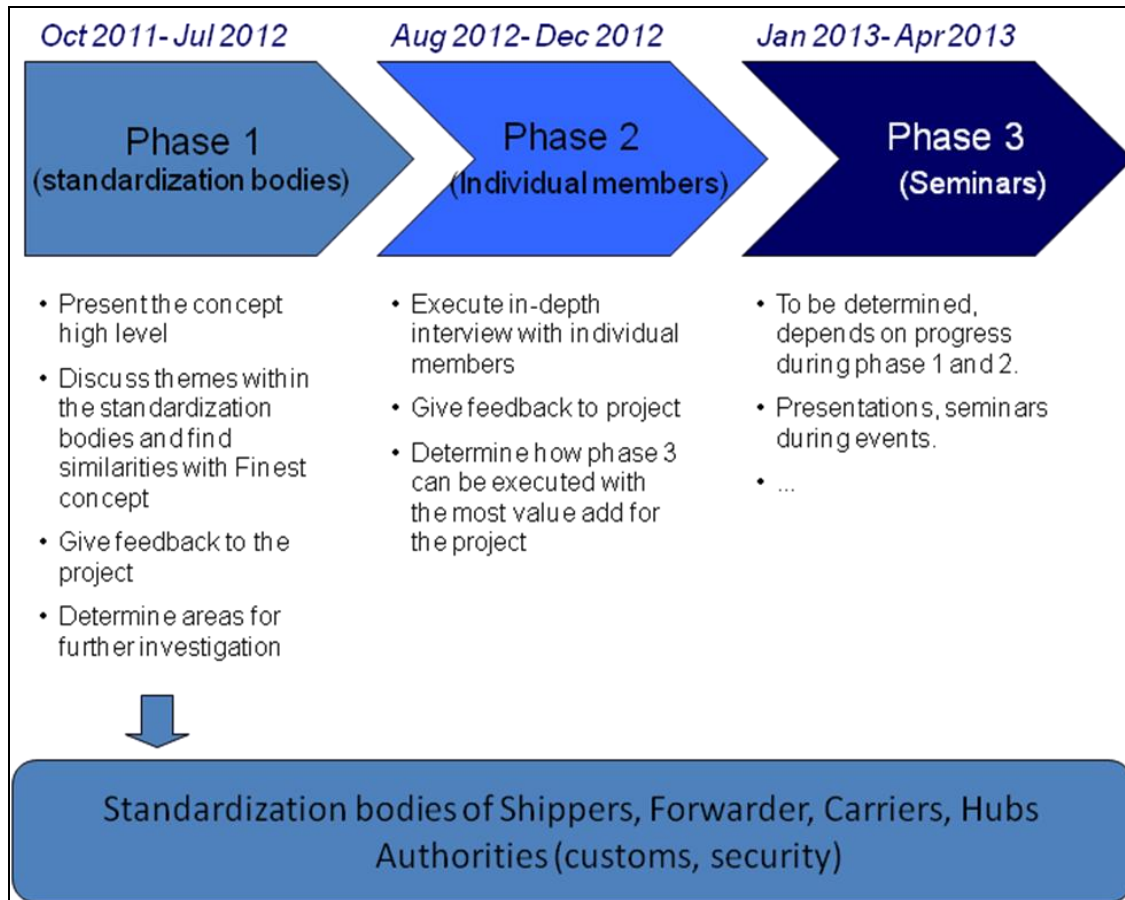
Figure 2 Stakeholder Involvement Approach

5. Standardization Plan

Standardization is an important means for achieving openness of the project results, enabling wide adaption of the results in industry, ensuring a long-term impact, and justifying the public funding of the project.

To ensure the standardization of project results, the FInest partners are committed to the identification of current and emerging relevant standards and the alignment of project results with such standards, as well as the identification of opportunities for establishing new standards and contributing to existing standardization activities.

5.1. Standardization Bodies

The relevant standardization bodies can be seen in Table 5.

Standardization Body	Description	Member

FIATA	International Federation of Freight Forwarders Association. FIATA, a non-governmental organization, represents today an industry covering approximately 40,000 forwarding and logistics firms, also known as the "Architects of Transport", employing around 8 - 10 million people in 150 countries. (wwww.fiata.com)	AF-KLM
GS1	GS1 is an international not-for-profit association with Member Organizations in over 100 countries.GS1 is dedicated to the design and implementation of global standards and solutions to improve the efficiency and visibility of supply and demand chains globally and across sectors. The GS1 system of standards is the most widely used supply chain standards system in the world. (http://www.gs1.org/)	
IATA	International Air Transport Association. IATA's mission is to represent, lead and serve the airline industry (www.iata.org)	AF-KLM
IMO FAL	The International Maritime Organization's Facilitation committee deals with IMO's work in eliminating unnecessary formalities and "red tape" in international shipping. (http://www.imo.org/)	
ISO	The International Organization of Standardization is the world's largest developer and publisher of international standards. (http://www.iso.org/)	
OASIS (Universal Business Language (UBL))	A not-for-profit consortium that drives the development, convergence and adoption of open standards for the global information society. (http://www.oasis-open.org/home/index.php)	
OMG	An international, open membership, not-for-profit computer industry consortium. It develops enterprise integration standards for technologies, and a range of industries. (http://omg.org/)	
Open Group	The Open Group is a vendor-neutral and technology-neutral consortium, following a definition of open standards and global interoperability. (http://www.opengroup.org/)	
W3C	W3C is an international consortium, which primarily pursues the creation of Web standards and guidelines. (http://www.w3.org/)	
WCO	The World Customs Organization. The WCO's mission is to enhance the efficiency and effectiveness of Customs administrations by harmonizing and simplifying Customs procedures. (http://www.wcoomd.org)	

Table 5: List of relevant standardisation bodies and channels

5.2. Standardization Activities

Throughout the project, the project partners will strive to identify standards relevant to the project activities and opportunities for using project results to contribute to standardization efforts. The main approaches to achieve standardization of results are:

- Through monitoring of standardization bodies (see Table 5) and identification of relevant standards and standardization activities, FInest will ensure that the research results produced by the project will be aligned with existing and emerging standards from the relevant communities, for example services, telecommunications, and semantics.

- Through contributing to relevant on-going standardization efforts, the project consortium will feedback into the standardization process providing experiences, lessons learned, and research results.
- Through taking initiative for the establishment of new standardization efforts within relevant standardization bodies, the project will promote standardization of new technologies not covered by current standards or standardization efforts.
- Through the participation in, monitoring of, and contributions to joint FI-PPP standardization activities, FInest will contribute to the alignment of standardization efforts of the different projects of the program.

Within the planning stage of the project, the consortium members have put in place a series of mechanisms, contacts, and channels in order to realize our standardization goals. Many of the project partners are fully involved in on-going standardization efforts. Additionally, there is an on-going harmonization of different standards related to service specifications (OASIS, OMG, W3C, etc.) – which all have standards related to service-oriented computing, as well as to the processes of doing collaboration. For the maritime segment the initiatives e-Navigation and e-Maritime are concepts that will identify the interaction processes as well as information contents to be used between the different stakeholders. An agreement has already been made between these organizations of continuing harmonization of relevant standards. This motivates the cross standardization approach taken by the project to ensure that the different standards produced by these bodies all benefit from the project results.

One of the main goals for the project is to identify bottlenecks in the transport and logistics industry today, and identify the potential for more integration, more efficiency and more environmental friendly transport in the future by use of solutions that are made available by the Future Internet. Standardization of processes, interactions, software architecture, information objects, and ways of publishing information on the Internet will be one of the major drivers for success in the future. This includes the potential for better supply chain management, re-planning in case of deviations, better information exchange between different technologies, and improved reception and integration of status information from different sources.

As the project is focused on applying Future Internet technologies in the transport and logistics domain, the FInest standardization efforts will be in both the information and communication technology domain and the transport and logistics domain.

6. Dissemination Results

This is the report of dissemination results achieved by Month 12 of the project.

6.1. Web Site

Available since month 1 of the project. Continuously updated. See deliverable D10.1 for details. A snapshot from home page can be seen in Figure 3.

Figure 3 - FInest Web Site

6.2. Events and Conferences

- Local meetings:

    o FInest Kickoff Essen

    o 2nd Project Meeting in Istanbul: Press releases about FInest project in Turkish.

- FI PPP Programme Launch in Brussels

- FInest presentation at 2nd Future Internet Summit (June 6 2011, 11:00-15:00, Luxembourg)

    o The 2nd European Summit on the Future Internet provided a forum for the presentation and discussion of the issues, trends and actions confronting the future of the Internet.

    o The summit was the focal point for the exchange and sharing of lessons learnt and for the presentation and discussion of some of the developments that have taken place in the domain of smart cities.

    o Particular emphasis was given to presenting the first set of successful projects from the Future Internet PPP call. FInest has been represented by its Technical Coordinator, Dr. Andreas Metzger from Paluno (Ruhr Institute for Software Technology at the University of Duisburg-Essen, Germany

- 3rd FI Usage Area Workshop in Brussels

- NESSI Members Day Valencia

    o There was no possibility to make FInest presentations due event program. FInest newsletter is distributed and WP Leader has given information about FInest during his networking activities with other participants.

- FI-PPP Programme and Cluster meetings: FInest members of FI PPP Workgroups have participated in steering, architecture board and dissemination work group meetings during FI Week in Budapest.

- ICTurkey Event: A pop-up poster is prepared to show in the exhibition area of ICTurkey Event in Istanbul. The poster can be seen in **Appendix 8.4**.

FInest members has participated in the following events and some of them are highlighted in FI PPP newsletters. Please see appendices for details.

- FI-PPP Programme and Cluster meetings

- Innovation Convention in Brussels,

- Session at ServiceWave in Poznan

- ITS Workshop at Okan University, please see **Appendix 8.10**

- Supply Chain Summit in Istanbul, please see **Appendix 8.9**

- FInest seminar on Improved Intermodal Transport and Logistics Processes in Oslo, please see **Appendix 8.8**.

- FInest Design Thinking Workshop in Amsterdam, please see **Appendix 8.11**.

- UEAPME visit in Brussels (SME umbrella organization), please see **Appendix 8.7**.

- Supply Chain Gathering Meeting in Antalya, please see **Appendix 8.5**.

6.3. Publications

- T. D. Meijler, M. Stollberg, M. Winkler, K. Erler, "Coordinating Variable Collaboration Processes in Logistics" in Proc. of the 13th International Conference on Modern Information Technology in the Innovation Processes of Industrial Enterprises (MITIP 2011), Trondheim, Norway, 22 June – 24 June 2011.

- Metzger, A.; Cassales Marquezan, C. Future Internet Apps: The next wave of adaptive service-oriented systems? In Proc. ServiceWave 2011, Poznan, Poland, October 26-28, Springer LNCS, 2011.

- Franklin, R. Metzger, A., Stollberg, M., Engel, Y., Fjørtoft, K., Fleischhauer, R., Marquezan, C., Ramstad, L.S. "Future Internet technology for the future of transport and logistics" (ServiceWave FI PPP Track)

- Fleischhauer, R.; Stollberg, M., "Automated Generation of Semantic Service Descriptions by Leveraging on Service Governance Models", In Proc. of the 10th International Semantic Web Conference (ISWC 2011), Industry Track, Bonn, Germany, 23-27 October 2011

- C. Cassales Marquezan, A. Metzger, K. Pohl, V. Engen, M. Boniface, S. C. Phillips, and Z. Zlatev, " Adaptive future internet applications: Opportunities and challenges for adaptive web services technology ", Adaptive Web Services for Modular and Reusable Software Development: Tactics and Solution, G. Ortiz and J. Cubo, Eds., IGI Global

6.4. Press Releases and Media

- The First FInest newsletter which is prepared and distributed in Budapest and later in Luxembourg can be seen in **Appendix 8.1**.

- FInest News Release (in German)

    o A news item on FInest's ambitions and contribution to sustainable transport and logistics has been released.

- The text (in German) can be accessed here: http://www.uni-due.de/de/presse/meldung.php?id=2881

- FInest News Releases (in Turkish)

    o FInest solutions presented to Turkish newspaper Türkiye and the most popular ICT magazine BT Haber which can be seen in **Appendix 8.2** and **8.3** respectively.

- The second glossy FInest Brochure (please see **Appendix 8.6)** has been prepared and approved by the partners. It was put on web site and printed copies were distributed in events including FI Week in Poznan.

- The third FInest Brochure showing major findings has been prepared for business people as target area and it will be distributed in major events including FIA Aalborg. It is a refined brochure with a further explanation of the FInest concept. This brochure can be used by all partners to further spread the message of FInest and get feedback.

6.5. FI-PPP

FInest has contributed FI-PPP Dissemination Work Group activities in this period and the details can be found in the Dissemination WG section of the deliverable D9.2 Intermediate Report and Revised Plan for FI PPP Alignment.

FInest project information including web site link is included in FI-PPP portal and FInest is co-organized the FI-PPP session at Service Wave 2011 in Poznan. FInest also participated in the organization of FI-PPP session in the upcoming FIA Event in Aalborg.

In addition to DWG activities FInest has participated in the formation of Exploitation and Business Modelling Working Group (EBM WG) to maximise the impact and exploitation potential of the FI-PPP Programme and the individual FI-PPP projects.

6.6. Collaborations with Other Projects

The initial assessment has been done with identifying the potential projects which are listed in Section 4.5. These projects are contacted either by common partners from FInest consortium or by FInest Dissemination Group Members to determine the potential collaboration areas. It has started with the two other FI PPP use case projects, InstantMobility and SmartAgriFood, and a meeting held in Poznan during FIA week. The InstantMobility members could not participate in the meeting due flight cancellation and thus members of these two projects participated in the meeting.

FInest and SmartAgriFood participants are agreed on the following four action items with listed targets for aligning the use case projects:

1) Alignment of Generic Enablers Requests & collaborative enforcement within FI PPP

Target: Depict commonalities of initial requests on GEs by each project, (see: https://forge.fi-ware.eu/plugins/mediawiki/wiki/fiware/index.php/Unclassified_Enablers), and collaboratively present to FI-WARE along with concrete user stories from each project (via Architecture Board + direct communication with 'GE Owners' in FI-WARE)

2) 'Joint Early Trials'

Target: Provide technical solutions (early prototypes, demonstrators, technical designs, etc) to the other projects, so that the suitability of the envisioned technical solutions for the use case scenarios of the other UC-projects can be investigated (1 discussed example: the 'Business Collaboration Module' from FInest could be useful to facilitate the provisioning of information throughout the 'food supply chains' addressed within SmartAgriFood; there hopefully will be much more synergies)

3) Collaborative Investigation of FI Business Opportunities

Target: Identify new business models and the economic / social / environmental impacts that can be facilitated by the Future Internet, also wrt. the relationships between application domains addressed in

the UC-projects (in each industry, the employment of FI technologies can lead to substantial changes to current business practices, and also new relationships between logistics, traffic management, and production supply chains might occur)

4) Joint Activities for Dissemination, Exploitation, Stakeholder Engagement

Target: Inform each other about planned activities and consider alignment where applicable (e.g. joint workshops for awareness generation, etc.) The first event will be at FIA Aalborg the session "Smart city applications and services".

Additionally to projects listed in Section 4.5 the following projects and the direct collaboration with FI-WARE project the following projects are considered for collaboration:

- Related EU-Projects (7th Framework Program)
  o **OMELETTE** proposes an innovative process of service development based on a mashup oriented approach. Among others in OMELETTE web technologies are under development which may be used FInest front-ends.
  o **INDENICA** focuses on engineering of virtual domain-specific service platforms which is of special interest for FI-WARE and FInest. Currently FInest team is in contact to analyze technologies developed in INDENICA for customization and adaption of domain-specific platforms on top of generic platforms.
- National Projects (Germany):
  o **RAN** focuses research on transparent and business-comprehensive production- and logistic-control by using RFID-based technologies.
  o **ECSIT** aims to develop a system prototype which can handle and inspect a large number of containers at a port using non-intrusive scanning. Thus, collaboration with FInest teams is quite useful in order to align the envisioned future ICT solutions (especially for use case 2).

Partially organizations involved in FInest project are also active in above mentioned research projects; as a result, they are closely connected which makes alignment for Future Internet ICT solutions more efficient and successful. Those organizations are mainly: SAP, UDE and IBM. For further details please see D9.2.

6.7. Thematic Networks and Associations

FInest newsletter is distributed in NESSI Members Day in Valencia, at NEM Summit in Torino, at Innovation Convention in Brussels.

Uluslararası Nakliyeciler Derneği (UND, International Transporters Association) in Istanbul were contacted to investigate collaboration possibilities. FInest members will visit UND headquarters in April/May timeframe to make FInest presentation and discuss future collaboration possibilities with UND members. UND is established in 1974 and have 902 active SME and large industry members covering all modes of international transportation and logistics.

6.8. SME and User Group Activities

FInest consortium members have developed an SME and user group plan to increase the impact and exploitation possibilities of the FInest project. This plan has initially based on organising sessions with users outside the FInest consortium and getting feedback on the FInest concept and the demonstrators. This has been started in this period and will be increased in the upcoming period. Summaries of the some of these activities and/or meetings are included in above and below sections.

Several dissemination meetings are being held in this period with different organisations out of the Transport & Logistics Domain to discuss the FInest concept.

Organisation	Main Feedback (meeting notes are available)
Harbor of Amsterdam	• FInest concept is interesting, but not innovative enough. Several collaboration hubs are already existing or being developed • Customs is missing as an relevant party
European Containter Terminals	• FInest project is interesting. Looks familiar to other projects like Integrity, Comcis and Cassandra • As an logistic service provider who want to further increase their network and collaboration, an collaboration platform is interesting.
Schiphol Airport	• As an 'host' and not directly involved in the Supply Chain, Schiphol Airport is at the moment not interested in the concept
Hogeschool of Amsterdam & TNO	• Believed that new collaboration platforms will drive changes in current business models. • Found similarities between the finest concept and other European projects: Extend single window, Ultimate, Horizon 20-20, Cassandra, I-carg, Contain, OPTI-CHAIN
CLECAT: European forwarder umbrella organisation	• Was not interested in sharing information
UEAPME	• European umbrella organisation for SME's, covering 12 million enterprises. • Is interesting in working together with the FInest consortium. They see a benefit for SME's, though the concept should further be developed, getting more mature. • Wants to join user groups
AUTF	• Interested in the concept. FInest can be of good benefit for shippers but first it needs to be more mature.
Zer A.S.	• Interested in the expected outcomes especially in logistics purchasing and monitoring SLA compliance activities

As a summary:

• Most of the participants were enthusiastic about the FInest Concepts. They believe new collaboration portals are necessary for further improvements in the future,

• The organisations saw synergies with current running projects and solutions,

- They are interested to be involved in the future though the concept should be more mature before the real mobilisation (implementing FInest) can start.

The dissemination visits shows that logistic domain partners are interested but the real advantages of the concept need to be explained further. They also expressed that the concept needs to get more mature and concrete. Therefore, showing the developed demonstrators would be of great interest. Both for explaining the FInest concept and for getting feedback on the things we developed.

7.   Conclusions

To achieve maximal impact of the project FInest has initiated and planned dedicated activities for dissemination and standardisation which consider all relevant target groups and types of forums. This deliverable reported on FInests's dissemination plan, which is continuously updated throughout the project.

In addition the dissemination results of the first year of the project have been presented. They show FInest's ambition and power to spread the word about the project in forums ranging from industry-targeted events to research conferences.

8. Appendices

8.1. Newsletter

Future Internet PPP Use Case Project

Transport and logistics is concerned with the planning and execution of the world-wide shipment of goods and people. This constitutes the backbone of the European economy where transport and logistics service providers operate as global businesses.

Future Internet technologies can facilitate radical improvements in business efficiency in this industry leading to positive socio-economic and ecological impact. The ultimate aim of the FInest project is to develop a Future Internet enabled ICT platform for better supporting and optimizing the collaboration and integration within international transport and logistics business networks.

FInest Kick-off

On April 11-12, 2011 the FInest project members had come together in Essen, Germany to kick off the project. FInest will run for a duration of two years and brings together 11 partners from 7 countries. FInest partners include logistics and service providers, physical transport providers, public authorities, customers, ICT companies and research institutes. The Kick-off meeting has been hosted by Paluno, the Ruhr Institute for Software Technology at the University of Duisburg-Essen.

FI PPP Launch

Vice-President of the European Commission, Neelie Kroes, has launched the Future Internet PPP in Brussels on May 3, 2011. At this ceremony, FInest together with other Future Internet PPP activities has been presented to the public and the press, the Brussels policy making community and interested stakeholders. The event featured a symbolic signature ceremony. FInest was represented by Haluk Gökmen from Argela.

UPCOMING EVENTS

FIA Budapest Session "Beyond Adaptive Services"
(May 18, 2011, 16:30 - 18:30)

Future Internet applications will draw on the convergence of Services, Things, Contents and Networks. The FIA session on "Beyond Adaptive Services" will elaborate on the need for adaptation capabilities by introducing and scrutinizing representative, cross-cutting application scenarios from various application domains, including transport and logistics. The session is co-organized with S-Cube, the EU FP7 Network of Excellence on "Software Services and Systems".

FInest presentation at 2nd Future Internet Summit
(June 6 2011, 11:00-15:00, Luxembourg)

The 2nd European Summit on the Future Internet will provide a forum for the presentation and discussion of the issues, trends and actions confronting the future of the Internet. Particular emphasis will be given to presenting the first set of successful projects from the Future Internet PPP call. FInest will be represented by Prof. Dr. Klaus Pohl from Paluno, the Ruhr Institute for Software Technology at the University of Duisburg-Essen, Germany.

Finest is funded by the European Community's Seventh Framework Programme FP7/2007-2013 under Objective 1.8 'Future Internet PPP'

www.finest-ppp.eu

Finest Newsletter #1 05/2011

8.2. Press Release in Türkiye Newspaper
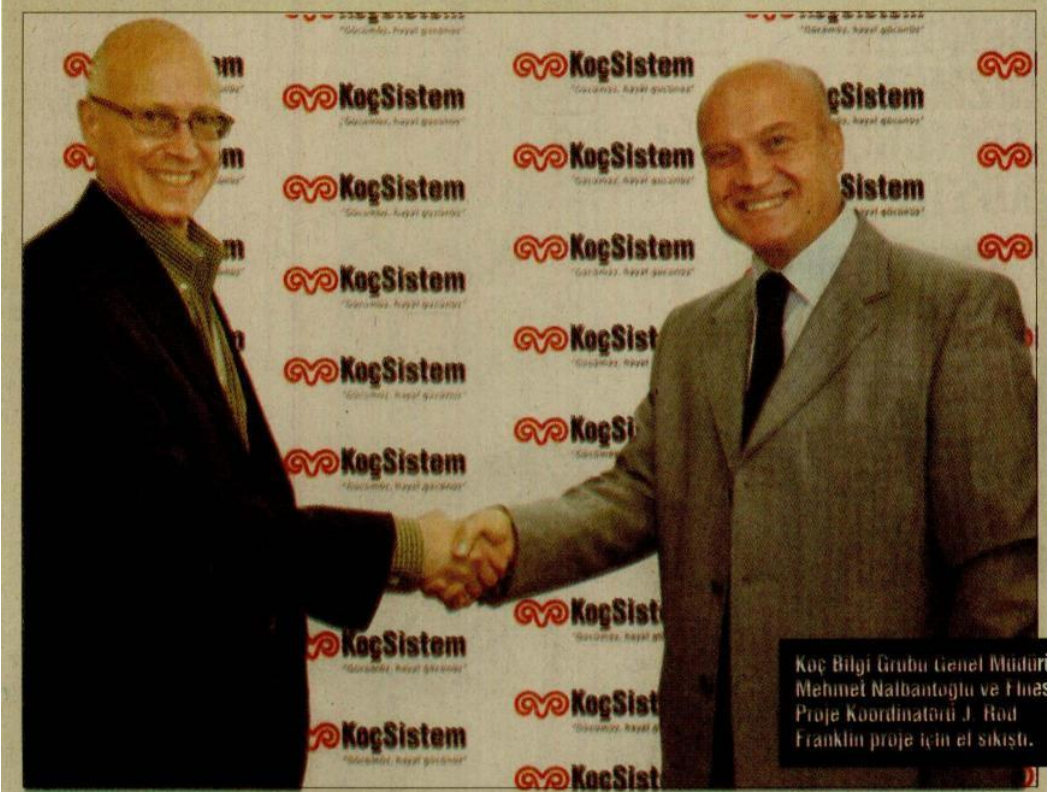
KoçSistem ve Arçelik, Avrupa lojistik sektörüne yön verecek

■ Avrupa'nın gelecekte rekabetçiliğini artırmayı hedefleyen Future İnternet Public Private Partnership (FI PPP) girişimi kapsamında lojistik sektörüne yönelik yürütülen "FInest" projesinde Türkiye'den KoçSistem ve Arçelik de yer aldı. Avrupa'nın yaşlanan nüfus ve rekabet sorununu aşmak için interneti daha iyi kullanmak üzere 600 milyon euroluk FI PPP bütçesi oluşturulduğuna dikkat çeken Koç Bilgi Grubu Genel Müdürü Mehmet Nalbantoğlu, KoçSistem ve

Arçelik'in bu fon kapsamında yer alan ve AB'nin geleceğine yön verecek 8 projeden biri olan FInest'te iş ortağı olduğunu ifade ederek, "Proje, bir ürünün kaynağından varacağı noktaya kadar en ekonomik nasıl ulaştırılacağı konusuna odaklanıyor. Bu proje ile Türkiye lojistik sektörü dünyayla entegre hale gelecek" dedi. FInest Proje Koordinatörü J. Rod Franklin de projenin, tedarik zinciri yönetimini kolaylaştırmayı amaçladığını belirterek şunları söyledi: "2 yıl süre-

cek projenin ilk aşaması için AB komisyonunca 5 milyon euroluk bir fon sağlandı. Proje sonucunda beklenen somut sonuç, ticari kullanıma uygun internet ve bulut bilişim temelli bir lojistik sistemi oluşturulması... İkinci aşamada sistemin kabiliyetlerini göstermek istiyoruz." Proje sonucunda oluşturulacak sistemin uluslararası tedarik zinciri yönetimini kolaylaştıracağını kaydeden Franklin, maliyetlerin azalmasının da son kullanıcıların yararına olacağını söyledi.

8.3. Press Release in BT Haber

BThaber

ICT Summit Eurasia – Bilişim Zirvesi '11
3 – 5 Ekim 2011'de, İstanbul Kongre Merkezi'nde

SAYI:837 | HAFTALIK BİLGİ TOPLUMU TEKNOLOJİLERİ GAZETESİ | SAYI:837 içinde arama yap...

Anasayfa
e-Toplum
Bilişim Dünyası
Bilişime Doğru
Dosya
Dünya
Teknoloji
Sektörel
İnsan Kaynakları
Yazarlar
Etkinlikler/İhaleler
Mektubunuz var
Künye
Eski Sayılar
Sağlıkta Teknoloji
BThaber Ekler

BThaber Platform

Gündem

Yeni çözümlere ihtiyacımız var

Türkiye'nin en büyük sorunları arasında yerli

FInest projesi bir sektörün geleceğini şekillendiriyor

Levent Özgürel levento@interpromedya.com.tr

KoçSistem'in de içinde bulunduğu FInest projesi, lojistik ve taşıma sektörünü geleceğin internet temelleri üzerinde yeniden kuruyor. Avrupa ülkelerinin daha rekabetçi bir yapıya kavuşmasını sağlamak, taşımacılık ve tedarik zincirlerinin iş süreçlerindeki verimliliği artırmak adına başlatılan Future Internet PPP (Geleceğin İnternetinde Kamu-Özel Sektör Ortaklığı) kapsamında yürütülen 600 milyon avroluk 8 projeden biri olan FInest, içinde aktif olarak yer alan bir Türk şirketinin bulunduğu tek proje olma özelliğini de taşıyor. Projenin amacı, şirketlerin tedarik zinciri içerisindeki yüklerini azaltarak kendi işlerine daha rahat yoğunlaşabilmelerini, işlerin hızlı ve ekonomik yürütülmesini sağlamak.

Negroponte'nin kavramı hayata geçiyor
Projenin koordinatörlüğü görevini yürüten ve 5-7 Eylül tarihinde KoçSistem ve Arçelik ev sahipliğinde İstanbul'da düzenlenen teknik toplantılara katılan Kühne Logistics Üniversitesi'nden Dr. J. Rod Franklin, FInest'in çıkış noktasını anlatırken Nicholas Negroponte'nin bundan 30 yıl önce ortaya koyduğu tablet bilgisayar kavramını örnek gösterdi. Franklin, "Negroponte 1960'lı yılların başında tabletlerin insanın tüm bilgi birikimini toplayacağı ve dünyanın ortak mirasına katacağı araçlar olacağını öngörmüştü. Bulut altyapısı ve diğer teknolojik gelişmeler bugün bizi, yazılımların ve servislerin de bu yönde geliştirebilmemize olanak tanıyor. FInest projesi de bu doğrultuda tedarik zincirinin gelecekte yüklerinden kurtulmasını ve çok daha verimli hale gelmesini amaçlıyor" dedi.
KoçSistem Teknoloji ve İnovasyon Direktörü Bülent Erbaş ise KoçSistem ve Arçelik'in de yer aldığı FInest projesini Avrupa'nın önde gelen üniversiteleri ve ciddi yazılım şirketlerinin desteklediğini söyledi ve projenin Türkiye'ye geleceğin iş modellerinin yaratılmasında söz sahibi hale getirebileceğini vurguladı. Erbaş, "FInest, KoçSistem'in

Compellent artık Dell'in ödüllü depolama çözümleri arasına katılmıştır

Optimize edilmiş bir depolamanın, yenilikleri nasıl güçlendirebildiğini öğrenin

Fluid Data »

DELL The power to do more

Bilişim haftasında BThaber sektörel ekleri ile göz önünde olun!

Telekom – 3 Ekim 2011
Sağlıkta Teknoloji – 19 Eylül 2011
Finans – 26 Eylül 2011
Savunma Teknoloji – 12 Eylül 2011

Detaylı bilgi ve tanıtım olanakları için tıklayın

Bu Haftaki BThaber Kapağı | BThaber Ekleri

8.4. Pop-up Poster in ICTurkey Event

FInest
FUTURE LOGISTICS

www.finest-ppp.eu/

Future Internet enabled optimisation of transport and logistics business networks

- Future Internet-based ICT solutions for sustainable transport & logistics (T&L)
- Increased visibility on T&L processes --> higher business network agility

- Open logistic supply chains --> lower barriers for inter-organizational collaboration and SME access

- Reduced amount of manual and rigid processes --> increased business efficiency

- Economical relevance: T&L responsible for 7% of EU GDP & 5% of EU employment

- Ecological relevance: approx. 15% of global greenhouse gases caused by transportation

Consortium partners:

8.5. Supply Chain Gathering Meeting in Antalya

Arçelik has introduced FInest and its capabilities to its global network members at the annual "Supply Chain Gathering Meeting" which took place at Belek, Antalya, Turkey between 22-23 March 2012. The aim of the meeting was to share latest developments, new regulations, status of the ongoing projects and new project plans and strategic direction where representatives from all global sister companies were present.

Arçelik's supply chain director Mr. Ahmet Ihsan Ceylan (please see side photo) has

made a FInest presentation and discussed FInest exploitation possibilities with the participants.

8.6. FInest Glossy Brochure

KoçSistem Tecnology and Innovation Bülent ERBAŞ , Project Coordinator Dr. J. Rod Franklin, with Koç Bilgi Group CEO Mehmet Nalbantoğlu

Europe's Future Technologies

KoçSistem CEO Mehmet Nalbantoğlu implied that for expanding usage of internet to overcome problems of old population and rivalry, Europe has reserved for 600 million Euro Future Internet Public Private Partnership budget.

Nalbantoğlu denoted that KoçSistem And Arçelik both will be business partners with "Finest" one of the 8 project which will shape EU's future and he said "By taking a part in such a project with our abilities, we're also taking part of designing and creation of the technologic infrastructure for the year 2020.

Nalbantoğlu also emphasized that a firm or a country doesn't have to discover something big or creating another Facebook for writing success stories and he continued his words: "Right now, our whole life, the way that corporates work, and public services is being changed with the internet. Behind this, stands broadband internet and Cloud IT Services. KoçSistem is one of the few companies which has expertise and backup in both East and West up a range to 3 thousand kilometers. We believe that we can present new business models of internet in a perspective of service model, and by doing this we can create a new value for our country.

Cloud IT Services holds the logistics background of whole EU, and giving its services is a huge project. Like this one, we are seeding of a lot of projects. We can be one of the rare countries which provides Cloud IT Services in EU and near territory. Besides we are doing our investments to make it come true too. We see this project as a big step in this long journey."

Finest Project Coordinator and Vice President of Kuhne Nagel, which is one of the top 5 logistics company of the world, Dr. J. Rod Franklin said that project aims to ease the management of the supply chain and added that available systems has many problems such as high costs and lack of dynamism.

Franklin shared the information "The project has started on 1 April 2011 and it will take 24 months to complete. In this first phase we are trying to identify system requirements. After that there'll be a three-year project, the designed projects will be developed phisically. The tangible result which is expected when the project finished is creating a logistics system based on Cloud IT and a suitable internet for commercial use."

Franklin also stated that after the project, the system created will ease international supply chain management with transparency, simplicy and accessibility; especially will create new opportunities to small players by being a part of the system, and added that the reduced costs will be the benefit of the end users.

Franklin spotlighted that logistics sector is a big part of the international works and said "Logistics operations are calculated to be 7-14% of the countries" GDP. This new technology will benefit to all. We are not only do our duty to our job but also the world by reducing the emissions that causes global warming."

The information from Arçelik A.Ş. shows that 65 thousand foreign trade, 200 thousand inside-Turkey distribution car management, and makes sales more than a hundred country (65% in Europe), the company chooses environmental friendly ways such as sea, rail and river line; acting "sustainable improvement" principals to all destinations possible.

Following their customers' and business partners' expectations, managing supply chain processes effective and efficient way, Arçelik is one of the company that shapes the "Finest Project" which aims to gain a continuous role in logistics, supply chain and production management systems.

The importance of this project to the effiency of transportation and logistic sector, it benefits both the country has a grand piece of the sector cake and its direct influence to reducing the carbon emissions. EU-wide carbon emissions are created by this sector's actions 25%.

Finest dissemination, exploitation and standardisation manager, Haluk Gökmen, with Vice President of the European Commission, Neelie Kroes at Future Internet PPP Launch Ceremony, Brussels.

Further Reading:

R. Franklin, A. Metzger, M. Stollberg, Y. Engel, K. Fjørtoft, R. Fleischhauer, C. Marquezan, and L. S. Ramstad, "Future Internet technology for the future of transport and logiscs," in A. Zisman, I. Llorente, M. Surridge, W. Abramowicz, and J. Vayssiére (eds.) *ServiceWave 2011*, Springer, LNCS, 2011.

The Future Internet = Convergence of…

IoS

IoT   SPT   IoC

NoF
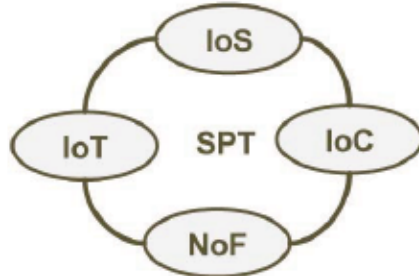
IoS =   3rd party software and services
         (e.g., financial clearing service)
IoT =   RFID, GPS, smart tags, sensor networks, …
IoC =   handling large volumes of data, video streaming, …
NoF =   Ubiquitous connectivity, broadband, mobile, satellite, …
SPT =   Security, privacy, trust, non-repudiation, …

Finest's contribution to sustainable logistics services?

Dr. Metzger: "Finest is developing innovative application scenarios and IT solutions to demonstrate the opportunities that the Future Internet will expose to accomplish sustainable freight transport and logistics. Transport and logistics has a significant environmental impact, which has roughly doubled since 1990. Finest will exploit intelligent, Future Internet technology to create more reliable, more cost efficient and more eco-friendly and thus more sustainable transport and logistics networks".

Example for improvements made possible by Finest?

Dr. Metzger: "Let's take the construction of a large technical product, such as an offshore wind energy plant, as an example. Here, you need to integrate and assembly on-site many different high-precision parts from many suppliers and countries. Currently, processes for constructing those products involve resource-intensive, intermediate steps, such as interim storage and thus additional transport legs. Only when assembling the parts, you realize today if there was some damage to those parts during transport. Thus, you need to test-assemble them before actual on-site assembly. Exploiting the Future Internet, such as the Internet of Things, we will be able to retrieve online information from the transported goods in order to determine their state. As an example, if one were to know at the construction site that all parts are fine, there would no need to perform a test-assembly. And, even in the case there was damage to a part, one could immediately plan counter measures, such as ordering spare parts. This means less intermediate steps, shorter transport routes, less buffers and thus ultimately will lead to significant reduction of emissions."

How is Finest made possible?

Dr. Metzger: "Finest will build on the next major leap of information and communication technology, the "Future Internet" The Future Internet constitutes a future ICT infrastructure in which various technology streams converge. Specifically, we will see the convergence of the Internet of Services, the Internet of Content and the Internet of Things, enabled by Networks of the Future and comprehensive mechanisms for Security, Privacy and Trust. As an example, Finest will be able to exploit smart sensors of the Internet of Things, which are connected via the Networks of the Future. Those smart sensors allow us to gather online and up-to-date information about transported goods. Based on such a wealth of information, we will be able to continuously improve the transport and logistics process."

What capabilities Finest will offer?

Dr. Metzger: "The Finest team, together with stakeholders from the domain, has identified four core capabilities that will be offered by Finest: (1) a collaboration hub, providing communication and collaboration facilities for all stakeholders involved in the transport and logistics chain, (2) an electronic contract manager, which provides service provider selection, contract negotiation and agreement, as well as contract management and monitoring, (3) an event processing engine that gathers and analyses real-world and business data to determine critical events, and (4) a transport (re-)planning module. In addition, the Finest architecture will be flexible enough to allow for customer-specific configuration and also extension."

Finest technical coordinator, Dr. Andreas Metzger (middle) at 2nd Future Internet Summit, Luxembourg.

Finest = Novel ICT Solutions for Sustainable Transport & Logistics:

Higher business network agility through better visibility on T&L processes

Lowered barriers for inter-organizational collaboration and SME access by enabling open logistic supply chains

Increased business efficiency by reduction of manual and rigid steps

About FInest

The efficient operation of international transport and logistics networks is a critical success factor for sustainable growth in global trade. Inefficient operation creates barriers to trade by causing shipment delays and raising trading costs. Since transport and logistics activities account for 10% to 20% of a country's Gross Domestic Product, increases in the efficiency of these activities can dramatically improve a country's competitiveness. In addition, environmental impacts resulting from the operation of transport and logistics activities are significant, so any improvement in efficiency within a logistics network positively contributes to sustainability objectives.

While the transport and logistics industry has made great strides in attempting to improve its efficiency, limitations in technology, transport infrastructure and regulatory regime incompatibilities have created significant barriers to future improvements. Overcoming these barriers requires new information and communication technologies and tools that allow organizations to rapidly assemble collaborative logistics networks that can efficiently and effectively execute international trading activities. The Future Internet, with its promise of ubiquitous operation and information access, provides a potential platform for overcoming the limitations of current ICTs.

Building on the proposed capabilities of the Future Internet being developed under the European Union's Future Internet Public Private Partnership program (FI PPP), the Finest Use Case project is designing a collaboration and integration platform for the transport and logistics industry.

Project Coordinator Dr. J. Rod Franklin, e-mail: rod.franklin@kuehne-nagel.com

KUEHNE+NAGEL   SAP   IBM.   MARINTEK   arçelik

KoçSistem   Universität Essen   PALUNO The Ruhr Institute for Software Technology   TL   NCL   PORTS OF AALESUND

TYRHOLM & FARSTAD   AIRFRANCE KLM CARGO

Finest is funded by the European Community's Seventh Framework Programme FP7 / 2007 - 2013 under Objective 1.8 'Future Internet PPP'

www.finest-ppp.eu

8.7. FInest visited the SME umbrella organization UEAPME in Brussels

On Wednesday January 25th, Haluk Gökmen (Arcelik) and Evert-Jan van Harten (AirFrance KLM Cargo), members of the FInest Consortium, met with representatives from UEAPME, the European SME umbrella organization.

EUAPME incorporates 82 member organizations from 34 countries consisting of national cross-sectorial SME federations, European branch federations and other associate members, which support the SME family.

UEAPME represents more than 12 million SMEs, which employ around 55 million people across Europe

Within UEAPME, the Transport Forum is a co-operation platform bringing together small and medium-sized enterprises from manufacturing and repair of road vehicles as well as road transport. The Forum aims to develop joint positions on all transport-related issues such as sustainable transport, organization of the supply chain, road safety, infrastructure efficiency etc.

During the meeting, FInest members introduced the FInest aims and solutions to start identifying similar interests and collaboration opportunities. UEAPME representatives showed high interest and saw opportunities regarding:
  - Service offerings of SME's
  - Improvement of asset utilization of trucks
  - Improvement of connectivity between large logistic players and SME's
Together, further opportunities for collaboration have been identified, including information sharing, attending of UEAPME members in user groups, and focussed FInest presentations during UEAPME seminars.

8.8. FInest seminar on Improved Intermodal Transport and Logistics Processes in Oslo

FInest Project Coordinator Dr. Rod Franklin

On 1st of December 2011 a seminar on "Improved Intermodal Transport and Logistics Processes", with the aims of understanding the logistic processes with perspective of identify efficient intermodal combinations of transport with higher quality than of today, was held in Oslo. The organizers were four R&D projects in Norway; META, FINT, ShorSea=Service, and Maritime Information Centre (the last one being coordinated by FInest project member MARINTEK).

A co-organizer in this event was ITS Norway (Intelligent Transport Systems), an industry group focused on the integration of new technologies into the transport and logistics domain to enable more seamless and responsive domain services.

The seminar was held at the headquarters of the Wilhelmsen Group and was hosted by Wilhelmsen Maritime Services. Prof. Dr. J. Rod Franklin, the Project Coordinator of FInest, gave an invited talk on "Logistics in the Cloud." The FInest project, which focuses on the development

of a cloud based logistics collaboration services, served as the basis for Prof. Dr. Franklin's discussion. The presentation examined how logistics operations were changing and how a cloud based collaboration service, such as that being developed in the FInest project, could address many of the problems associated with current supply chain management activities. Among the participants was the Ministry of Transport and Communication in Norway, as well as representatives from all the Norwegian participants in the FInest project.

8.9. Logistics and Supply Chain Management in Istanbul

	7. ULUSLARARASI SATINALMA LOJİSTİK ve TEDARİK ZİNCİRİ YÖNETİMİ ZİRVESİ© **7th INTERNATIONAL SUMMIT MEETING of PROCUREMENT, LOGISTICS and SUPPLY CHAIN MANAGEMENT©**
	December 14 - 15 / 14 - 15 Aralık 2011 - 08.00 - 17.00
	Sheraton Maslak / İstanbul

http://www.bosphorusconferences.com/index.php?Page=OldEvents-GecmisAktiviteler-2011-
7thSummitMeetingofProcurementandSupplyChainManagement-
7.SatinalmaveTedarikZinciriYonetimi&Mn=4&Mnn=16

"Geleceğin teknolojileri ve lojistik"	*"Future Technologies and Logistics"*
Hülya Ovalı Yıldırım // Arçelik A.Ş, Tedarik Zinciri Direktörlüğü, Sistem Geliştirme Uzmanı	**Hülya Ovalı Yıldırım** // Arçelik A.Ş, Directorate of Supply Chain, System Development Specialist

At the 7th International Summit Meeting of Procurement, Logistics and Supply Chain Management in Istanbul, FInest project team member Hülya Ovalı Yıldırım gave a presentation on "Future Technologies and Logistics". The summit took place in the Sheraton Maslak hotel from December 14 to 15, 2011. Mrs. Yıldırım introduce the audience to the FI PPP Program and the FInest project.

Burcu Özgür(left) and Hülya Ovalı Yıldırım (right)

Further, the Arçelik team was present in the exhibition area (see photo) to present FInest's key ambitions, pass out FInest project information to interested participants and answer questions related to the project and the FI PPP.

8.10. FInest at Intelligent Transport Systems Workshop at Okan University, Istanbul

FInest was present at the Intelligent Transport Systems Workshop that took place on December 9, 2011 at the Okan University in Istanbul.

Transport, Maritime Affairs and Communications Minister Binali YILDIRIM and other high level stakeholders in the domain attended the workshop. The workshop has brought public-private sector representatives, decision-makers and researchers together to develop cooperation in the fields of transportation research. It has contributed to the creation of a common road map. Bülent Erbaş from Koç Sistem has talked about FI PPP Program and FInest project during his presentation. Koç Sistem and Arçelik teams were present in the exhibition area (see photos below) to present FInest's key ambitions, pass outFInest project information to interested participants and answer questions related to the project and the FI PPP.

Haluk Gökmen (Arçelik) Mehmet Önat (Koç Sistem) at the exhibition desk.

8.11. FInest Design Thinking Workshop in Amsterdam

The Finest project is in the process of developing demonstrators to showcase how the Finest Platform - based on Future Internet technology - will improve the business efficiency and sustainability of logistic service providers and other stakeholders that are involved in international freight transport.

Finest ran a workshop with over 30 project participants to identify the key innovations to be showcased by these demonstrators. The workshop was held on January 10th and 11th, 2012 at the Air France - KLM Cargo & Martinair Cargo premises at Amsterdam airport in The Netherlands.

Discussions during the workshop were

facilitated by a professional Design Thinking Coach from SAP. The discussions were structured along the three use cases that are addressed by Finest to demonstrate advancements from the state of the art: (1) perishable goods transport by sea, (2) airfreight transport of industrial goods, and (3) the transport and logistics for end-to-end consumer goods shipments. Four demonstrators were selected to showcase the Finest innovations for business collaboration, e-contracting, transport planning and proactive event-processing using the Finest collaboration platform.

8.12. Categorised Events and Conferences

Target Audience	Research Forums	Industry Events	General Dissemination Events	Results that are planned to be contributed
Future Internet & Service-oriented Computing	SeviceWave, ICSOC, ICWS, ACM Trans. Web, JSS	CeBIT	FIA SSAIE Collaboration	• Integration of IoS, IoT, IoC and NoF for T&L • Domain-specific collaboration and contracting approaches (WP5 & WP8)
Software Engineering	CAiSE, RE, JSS			• Application and adaptation of SE techniques for specific domains • Requirements collection for domain and platform (WP1)
Internet of Things	EuroSSC, EMSOFT			• Dynamic event management for complex logistics processes exploiting IoT (WP6)
Transport and Logistics	ECITL	ITS World Congress, SCL Europe, BVL-DLK		• T&L: create awareness what ICT can bring to the domain • Transport planning and re-planning (WP7)

Table 6 - Categorised Events and Conferences

8.13. List of Potential Journals for FInest Papers

Journal
Software engineering
Journal of Systems and Software http://www.elsevier.com/wps/find/journaldescription.cws_home/505732/description
Journal of Automated Software Engineering http://www.springerlink.com/content/100242/
Service-based computing
Journal of Systems and Software http://www.elsevier.com/wps/find/journaldescription.cws_home/505732/description
ACM Transactions on the Web http://tweb.acm.org/
Advances in Information and Communication Technologies
Transport, Logistics and Enterprise Information Management
International Journal of Logistics Management http://www.emeraldinsight.com/products/journals/journals.htm?id=ijlm
Journal of Business Logistics http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%292158-1592
International Journal of Physical Distribution & Logistics Management http://www.emeraldinsight.com/products/journals/journals.htm?id=ijpdlm
Journal of Enterprise Information Management http://www.emeraldinsight.com/products/journals/journals.htm?id=jeim
Transportation http://www.springer.com/economics/regional+science/journal/11116
Transportation Research Part C: Emerging Technologies http://www.elsevier.com/wps/find/journaldescription.cws_home/130/description#description
Transportation Research Part E: Logistics and Transportation Review http://www.elsevier.com/wps/find/journaldescription.cws_home/600244/description#description
Journal of Intelligent Transportation Systems http://www.tandf.co.uk/journals/titles/15472450.asp
Air Cargo Report
Air Cargo World
Future Internet-Open Access Journal

IEE Proceedings - Intelligent Transport Systems
IEEE Transactions on Intelligent Transportation Systems
International Journal of Agile Systems and Management
International Journal of Applied Logistics (IJAL)
International Journal of Distribution and Logistics Management
International Journal of Information and Communication Technology
International Journal of Logistics
International Journal of Logistics and Supply Chain Management (IJLSCM)
International Journal of Logistics Economics and Globalisation
International Journal of Logistics Management
International Journal of Logistics Research and Applications
International Journal of Physical Distribution & Logistics Management
International Journal of Shipping and Transport Logistics (IJSTL)
International Journal of Transport Management
International Journal on Information & Communication Technologies
Journal of Advanced Transportation
Journal of Business Logistics
Journal of Enterprise Information Management
Journal of Information Systems and Communication
Journal of Supply Chain Management
Logistics Journal
Logistics Research
Maritime Economics & Logistics
Transport
Transportation Journal
Transportation Research Part A: Policy and Practice
Transportation Science
World Transport Policy & Practice

Table 7 List of potential journals relevant for scientific dissemination

8.14. List of concrete dissemination Forums (as of Month 12)

Name of forum	City, Country	URL	Start	End	Topics addressed
ServiceWave 2011	Poznan, PL	http://servicewave.eu/2011/	26 Oct 2011	28 Oct 2011	Future Internet (IoS, IoT, IoC, NoF)
ServiceWave 2011 Workshops	Poznan, PL	http://servicewave.eu/2011/	28 Oct 2011	28 Oct 2011	Future Internet (IoS, IoT, IoC, NoF)
Future Internet Week & Proposers Day	Budapest, HU	http://www.fi-budapest.eu/	16.May.11	21.May.11	Future Internet (IoS, IoT, IoC, NoF), PPP, Application Domains
Future Internet Summit	Luxembourg, LU	http://www.future-internet.uni.lu/	6 Jun 2011	7 Jun 2011	Future Internet (IoS, IoT, IoC, NoF)
Digital Agenda Assembly	Brussels, BE	http://ec.europa.eu/information_society/digital-agenda/daa/	16 Jun 2011	17 Jun 2011	Digital society and economy
3rd Future Internet Usage Area Workshop	Brussels, BE	http://initiative.future-internet.eu/events/3rd-usage-area-workshop.html	28 Jun 2011	29 Jun 2011	Usage Areas (follow up of Use Case projects)
Internet of Things Week 2011	Barcelona, ES	www.iot-week.eu/2011	6 Jun 2011	9 Jun 2011	IoT

5th Future Internet Cluster Workshop	Warsaw, Poland	http://www.isgtw.org/event/5th-future-internet-cluster-workshop-special-focus-future-network-architectures	14 Jun 2011		Future Network Architectures
Future Internet Symposium	Vienna, Austria	http://www.fis2011.org/	8 Nov 2011	9 Nov 2011	Future Internet (IoS, IoT, IoC, NoF)
4th NEM Summit	Torino, IT	http://nem-summit.eu/	27 Sep 2011	29 Sep 2011	Networked Media
Global Forum	Brussels, BE	http://www.items.fr/spip.php?rubrique110	24 Oct 2011	26 Oct 2011	Economic, Political, Social and Societal issues related to the successful evolution of the Information Society
ICSOC 2011		http://www.icsoc.org/	5 Dec 2011	8 Dec 2011	Service-oriented Computing
ETSI WORKSHOP ON FUTURE NETWORK TECHNOLOGIES	Sophia Antipolis, FR	http://www.etsi.org/FUTURENETWORK TECHNOLOGIES	26 Sep 2011	27 Sep 2011	NoF, IoT, Energy efficiency
"Internet and Societies" conference	Brussels, BE	http://paradiso-fp7.eu/2010/03/31/register-for-the-2011-conference/	7 Sep 2011	9 Sep 2011	interactions between Internet and societal developments in the next decades
FIA Poznan	Poznan, PL	http://www.fi-poznan.eu/	24 Oct 2011	26 Oct 2011	FI
Plenary session for FI PPP at FIA	Poznan, PL		26 Oct 2011		FI PPP projects

Poznan					
CONCORD / PPP Exhibition Booth	Poznan, PL		24 Oct 2011	28 Oct 2011	
PPP / CONCORD Demonstration	Poznan, PL		26 Oct 2011		Joint demonstration evening
CeMAT 2011	Hannover, Germany	http://www.cemat.de/	02.May.11	06.May.11	Research topics in Logistics Engineering
Transport Logistic 2011	Munich, Germany	http://www.transportlogistic.de/	10.May.11	13.May.11	Research topics in Logistics Engineering
SRII (Service Research and Innovation Institute) Annual Global Conference	San Jose, USA	http://www.thesrii.org/index.php/2012-call-for-papers	17 Jul 2012	20 Jul 2012	service science
European Conference on ICT for Transport Logistics (ECITL)	Thessaloniki, Greece	http://www.ecitl.eu/index.php	13 Oct 2011	14 Oct 2011	ICT for T&L
28. Deutscher Logistik-Kongress		http://www.bvl.de/dlk	19 Oct 2011	21 Oct 2011	single largest logistics event in Germany
3rd International Conference on Dynamics in Logistics (LDIC 2012)	Bremen, DE	http://www.ldic-conference.org/	27 Feb 2012	2 Mar 2012	
The FALL 5th International Conference on Knowledge	Orlando, Florida,	www.2011conferences.org/fkgcm	29 Nov 2011	2 Dec 2011	Knowledge Generation, Communication and

Generation, Communication and Management: KGCM 2011	USA				Management
The International Conference on Information and Communication Technologies and Applications ICTA 2011	Orlando, Florida, USA	http://www.iiis2011.org/icta/Website/AboutConfer.asp?vc=48	29 Nov 2011	2 Dec 2011	Information and Communication Technologies and Applications
ITEA & ARTEMIS Co-summit 2011	Helsinki, Finland	http://www.itea2.org/cosummit2011	25 Oct 2011	26 Oct 2011	
Collaboration Workshop	Essen / UDE	--	30 Nov 2011	30 Nov 2011	Technical Solution envisioned by FInest, alignment with acticities from other R&D projects
Intermodale transport- og logistikkprosesser	Oslo, Norway	http://www.itsnorge.no/node/482	1 Dec 2011	1 Dec 2011	Cloud Logistics
6th International Scientific Symposium on Logistics	Hamburg, Germany	http://www.bvl.de/issl	13 Jun 2012	14 Jun 2012	Coordinated Autonomous Systems
International Conference on Applied Paperless Freight Transport and Logistics 9-10th May 2012 DE LINDENHOF, Delft, The Netherlands	Delft	http://www.efreightconference.com/default.aspx?articleID=18831&heading=Submissions	9 May 2012	10 May 2012	This is a scientific conference with special focus on the needs of business and the industry in Freight Transport and Logistics.

Table 8 - Present Potential Dissemination Events

8.15. List of Events

Events	Date M/Y	Place	Event Type
Cool Chain Europe 2011	January 11	Rotterdam, the Netherlands	Conference
LogiCon 2011	February 11	Amsterdam, the Netherlands	Trade Fair
LogiCon 2012	February 11	Brussels, Belgium	Trade Fair
LogiMat	February 11	Stuttgart, Germany	Trade Fair
Supply Chain Technology Forum	February 11	Amsterdam, the Netherlands	Conference
Urban Transport World Australia 2011	February 11	Sydney, Australia	Trade Fair / Conference
SITL Trade Show of the Logistics Solutions	March 11	Paris (Porte de Versailles), France	Trade Fair

ICTLE 2011 - International Conference on Traffic and Logistic Engineering	April 11	Chennai, India	Conference
Intermodal South America	April 11	Sao Paolo, Brazil	Trade Fair
LOG 2011	April 11	Cologne, Germany	Conference
SCMLogistics China 2011	April 11	Chongqing, China	Conference
CeMAT 2011	May 11	Hannover, Germany	Trade Fair
Transport Logistic	May 11	Munich, Germany	Trade Fair
European Supply Chain and Logistics Summit 2011	June 11	Berlin, Germany	Conference
International Conference on City Logistics	June 11	Mallorca, Spain	Conference
LISS2011 - International Conference on Logistics, Informatics and Services Sciences	June 11	Peking, China	Conference
SIL 2011	June 11	Barcelona, Spain	Trade Fair
TRANSLOG 2011	June 11	Hamilton/Ontario, Canada	Conference
Sole 2011 - 46th Annual International Logistics Conference and Exhibition	August 11	Hyatsville/Maryland, USA	Conference

Dortmunder Gespräche	September 11	Dortmund, Germany	Conference
Holland Transport & Logistics Show	September 11	Rotterdam, the Netherlands	Trade Fair
St. Galler Logistikdienstleistungs-congress	September 11	St.Gallen, Switzerland	Conference
CeMAT Asia	October 11	Shanghai, China	Trade Fair
China International Logistics and Transportation Fair	October 11	Shenzhen, China	Trade Fair
Deutscher Logistik-congress	October 11	Berlin, Germany	Conference
4th ECITL, 2011 - European Conference on ICT for Transport Logistics	October 11	Thessaloniki, Greece	Conference
IAME 2011 -International Association of Maritime Economists	October 11	Santiago de Chile, Chile	Conference
International Logistics and Supply Chain Congress	October 11	Izmir, Turkey	Conference
Thailand International Logistics Fair 2011	October 11	Bangkok, Thailand	Trade Fair
World Congress on Intelligent Transport Systems	October 11	Orlando/Florida, USA	Conference
ICLISS 2011 - 2011 International Conference on	November 11	Hong Kong, Hong Kong	Conference

Logistics, Informatics and Services Sciences			
International Freight Week	November 11	Abu Dhabi, United Arab Emirates	Trade Fair
LEITS 2011 - International Conference on Logistics Engineering and Intelligent Transportation Systems	November 11	Wuhan, China	Conference
Logistik-Forum für die EMA-Region	November 11	Hamburg, Germany	Conference
LOGITRANS	November 11	Madrid, Spain	Trade Fair
Svizzeralogistica	November 11	Lugano, Switzerland	Trade Fair
Logitrans	December 11	Istanbul, Turkey	Trade Fair
Cool Chain Europe 2012	January 12	Basel, Switzerland	Conference
easyFairs Logistik	January 12	Hamburg, Germany	Trade Fair
Logistik 2012	January 12	Hamburg, Germany	Trade Fair
Supply Chain Technology Forum	February 12	Chicago,lllinois, USA	Conference
ICTLE 2012 - International Conference on Transportation and Logistic Engineering	February 12	Penang, Malaysia	Conference

ICTTE 2012 - 11th International Conference on Traffic and Transportation Engineering	February 12	Teheran, Iran	Conference
LDIC 2012 - International Conference on Dynamics in Logistics	February 12	Bremen, Germany	Conference
Logistics Forum Duisburg	February 12	Duisburg, Germany	Conference
Maritime Logistics 2012	February 12	Hamburg, Germany	Trade Fair
RILA Logistics Conference	February 12	Dallas/Texas, USA	Conference
Urban Transport World Australia 2012	February 12	Sydney, Australia	Trade Fair / Conference
ICUIMC 2012 - 6th International Conference on Ubiquitous Information Management and Communication	February 12	Kuala Lumpur, Malaysia	Conference
RailTel Europe 2012	February 12	Hilton Vienna ,Vienna, Austria	Trade Fair
Australasian Ports & Harbours Congress 2012	February 12	Brisbane, Australia	Conference
Sydney, Australia	February 12	Sydney, Australia	Conference
LOGISTICS exhibition 2012	February 12	Poznań, Poland	Trade Fair

Africa Roads 2012	February 12	Johannsburg, South Africa	Conference
Transport & Logistics	February 12	Sofia, Bulgaria	Trade Fair
LOG 2012	March 12	Cologne, Germany	Conference
LogiMAT	March 12	Stuttgart, Germany	Trade Fair
Logistikdialog Nurnberg	March 12	Nurnberg, Germany	Conference
SITL Trade Show of the Logistics Solutions	March 12	Paris (Porte de Versailles), France	Trade Fair
Transport and Logistics 2012	March 12	Rotterdam, the Netherlands	Trade Fair
Wissenschaftliches Symposium des BME e.V.	March 12	Wurzburg, Germany	Conference
ITSC 2012 - 15th International IEEE Conference on Intelligent Transportation Systems	March 12	Anchorage, USA	Conference
Asia Pacific Rail 2012	March 12	Hong Kong, China	Conference
Tunnelling & Construction World Asia 2012	March 12	Hong Kong, China	Conference

Pharma & Biotech Supply Chain World Asia 2012	March 12	Marina Bay Sands, Singapore	Conference
Aviation Outlook MENA	March 12	Dubai, UAE	Conference
MetroRail 2012	March 12	London, UK	congress
VILO Relatiedagen Hardenberg	March 12	Hardenberg, the Netherlands	Trade Fair
TOC Container Supply Chain Asia	March 12	Hongkong, China	Trade Fair
Asia Pacific Maritime	March 12	Singapore, Singapore	Trade Fair
SITL Europe	March 12	Paris, France	Trade Fair
Eco Transport & Logistics	March 12	Paris, France	Trade Fair
RFID	March 12	Paris, France	Trade Fair
Logistica	March 12	Parma, Italy	Trade Fair
International Cargo and Logistics Conference 2012	April 12	Marina Bay Sands, Singapore	Conference
Intermodal South America	April 12	Sao Paolo, Brazil	Trade Fair

LOGITRANS	April 12	Madrid, Spain	Trade Fair
TRA 2012 - Transport Research Arena 2012	April 12	Athens, Greece	Conference
wirtschaftNORDGATE	April 12	Neumunster, Germany	Trade Fair
Logotrans	April 12	Celje, Slovenia	Trade Fair
LOGITRANS Madrid	April 12	Madrid, Spain	Trade Fair
RORO	April 12	Gothenburg, Sweden	Trade Fair
Distribution & Logistik	April 12	Malmö, Sweden	Trade Fair
Passenger Terminal Expo	April 12	Vienna, Austria	Trade Fair
Transrussia	April 12	Moscow, Russia	Trade Fair
Low Cost Airlines World Americas	May 12	Miami, Florida, US	Conference
Transport Logistic	May 12	Shanghai, China	Trade Fair
Urban Transport 2012 - 18th International Conference on Urban Transport and the Environment	May 12	A Coruna, Spain	Conference
Logistiikka-Kuljetus	May 12	Helsinki, Finland	Trade Fair

Korea Mat	May 12	Goyang, South Korea	Trade Fair
China International Marine, Port & Shipbuilding Fair	May 12	Nanjing, China	Trade Fair
Transporta	May 12	Poznan, Poland	Trade Fair
European Supply Chain and Logistics Summit 2012	June 12	Berlin, Germany	Conference
PCN and Transport Logistics China 2012	June 12	Shanghai, China	Trade Fair
SIL 2012	June 12	Barcelona, Spain	Trade Fair
Tagesforen Transport Logistic China	June 12	Shanghai, China	Trade Fair
Wissenschaftssymposium Logistik	June 12	Hamburg, Germany	Conference
Transport logistics China 2012	June 12	Shanghai, China	Trade Fair
SEAMS 2012 -7th International Symposium on Software Engineering for Adaptive and Self-Managing Systems	June 12	Zurich, Switzerland	Conference
Africa Rail	June 12	Johannesburg, South Africa	Trade Fair / Conference
Africa Ports and Harbours Show	June 12	Johannesburg, South	Trade Fair /

		Africa	Conference
Signalling & Train Control Africa	June 12	Johannesburg, South Africa	Trade Fair / Conference
Electric Vehicle Infrastructure World 2012	June 12	Berlin, Germany	congress
Rail Power Europe	June 12	Berlin, Germany	Conference
easyFairs® LOGISTIK Austria Vienna	June 12	Vienna, Austria	Trade Fair
Expo Carga	June 12	Mexico City, Mexico	Trade Fair
Guangzhou International Logistics Equipment and Informationization Exhibition Guangzhou	June 12	Guangzhou, China	Trade Fair
Guangzhou International Brand Forklift & Accessory Exhibition	June 12	Guangzhou, China	Trade Fair
TOC Container Supply Chain Europe	June 12	Antwerp, Belgium	Trade Fair
Logistik Austria	June 12	Vienna, Austria	Trade Fair
Transcaspian	July 12	Baku, Azerbaijan	Exhibition
ISL 2012	July 12	Cape Town, South Africa	Conference

Aviation Outlook China 2012	July 12	Shanghai, China	Conference
Aviation Outlook Africa	July 12	Johannesburg, South Africa	Conference
Aviation Outlook Australia Pacific	July 12	Sydney, Australia	Conference
LISS2012 - International Conference on Logistics, Informatics and Services Sciences	July 12	Beijing, China	Conference
Airports World Australia Pacific	July 12	Sydney, Australia	Conference
Mitteldeutsches Logistikforum	August 12	Leipzig, Germany	Conference
IAME 2012 - International Association of Maritime Economists	September 12	Taipei, Taiwan	Conference
LINDI 2012 - 4th IEEE International Symposium on Logistics and Industrial Informatics	September 12	Smolenice, Slovakia	Conference
Logintern	September 12	Nuremberg, Germany	Trade Fair
Logistik Austria	September 12	Wels, Austria	Trade Fair
IMCW 2012 - 3rd International Symposium on Information Management in a Changing World	September 12	Ankara, Turkey	Conference

World Low Cost Airlines Congress 2012	September 12	London, UK	Congress
Mail Order World	September 12	Wiesbaden, Germany	Trade Fair
Expo PetroTrans	September 12	Kassel, Germany	Trade Fair
Logistyka	September 12	Kielce, Poland	Trade Fair
Asia Fruit Logistica	September 12	Hong Kong, China	Trade Fair
Fracht	September 12	Winterthur, Switzerland	Trade Fair
CeMAT Russia	September 12	Moscow, Russia	Trade Fair
Prologistics	September 12	Brussels, Belgium	Trade Fair
Holland Transport & Logistics Show	September 12	Rotterdam, the Netherlands	Trade Fair
Deutscher Logistik-congress	October 12	Berlin, Germany	Conference
ICIWE 2012 - International Conference on Internet and Web Engineering	October 12	Bali, Indonesia	Conference
MetroRail Asia 2012	October 12	New Delhi, India	Conference
SCM Logistics World 2012	October 12	Singapore, Singapore	Conference

Aviation Outlook Asia	October 12	Singapore, Singapore	Conference
World Congress on Intelligent Transport Systems	October 12	Vienna, Austria	Conference
TOC Container Supply Chain Middle East	October 12	Dubai, UAE	Trade Fair
Transport and Logistics	October 12	Minsk, Belarus	Trade Fair
Transport+Logistics	October 12	Kiew, Ukraine	Exhibition
China International Logistics and Transportation Fair	October 12	Shenzhen, China	Trade Fair
Logistics	October 12	Madrid, Spain	Trade Fair
TRANSLOG	October 12	Hamilton/Ontario, Canada	Conference
World Congress on Intelligent Transport Systems	October 12	Vienna	Conference
Log-Expo	October 12	Kielce, Poland	Trade Fair
CeMAT Asia	October 12	Shanghai, China	Trade Fair
PTC Asia	October 12	Shanghai, China	Trade Fair
Urban Transport World Asia 2012	November 12	Jakarta, Indonesia	Conference

Automotive Asia Congress	November 12	Bangkok, Thailand	congress
Rail Revenue and Customer Management World Europe 2012	November 12	Amsterdam, the Netherlands	Conference
Smart Stations and Terminals World Europe 2012	November 12	Amsterdam, the Netherlands	Conference
easyFairs® GEFAHRGUT	November 12	Essen, Germany	Trade Fair
Retail World	November 12	Berlin, Germany	Trade Fair
Logitrans	November 12	Istanbul, Turkey	Trade Fair
European Conference on ICT for Transport Logistics (ECITL)	November 12	Gothenburg	Conference
Manutention	November 12	Paris, France	Trade Fair
Trans Middle East	November 12	Manama, Bahrain	Trade Fair
Handling Expo	November 12	Cairo, Egypt	Trade Fair
Pack&Move	November 12	Basel, Switzerland	Trade Fair
Connected Vehicle World Europe	December 12	London, UK	Conference

TOC Container Supply Chain Americas	December 12	Panama, Panama	Conference
Cool Chain Europe 2013	January 13		Conference
ProMat	January 13	Chicago, lllinois, USA	Trade Fair
Logimat	February 13	Stuttgart, Germany	Trade Fair
Middle East Rail	February 13	Dubai, UAE	Trade Fair / Conference
Tunnelling World Middle East	February 13	Dubai, UAE	Conference
CeMAT South America	March 13	Sao Paolo, Brazil	Trade Fair
IMHX	March 13	Birmingham, UK	Exhibition
Packex	May 13	Toronto, Canada	Trade Fair
Air Cargo Europe	June 13	Munic, Germany	Trade Fair / Conference
Transport Logistic	June 13	Munic, Germany	Trade Fair
easyFairs® LOGISTIK Switzerland Bern	September 13	Bern, Switzerland	Trade Fair
Nufam Karlsruhe	September 13	Rheinstetten, Germany	Trade Fair

MöLo	September 13	Kassel,Germany	Trade Fair
Logitrans	November 13	Istanbul, Turkey	Trade Fair
interpack 2014	May 14	Düsseldorf, Germany	Trade Fair
CeMAT	May 14	Hannover, Germany	Trade Fair
VILO Relatiedagen Hardenberg	yearly	Hardenberg, the Netherlands	Trade Fair
Mersin Logistics	yearly	Mersin Turkey	Trade Fair
Warehouse Technologies	yearly	Minsk, Belarus	Trade Fair
Siberian Logistics	yearly	Novosibirsk, Russia	Trade Fair
Materials Handling Middle East	every 2 years	Dubai, UAE	Trade Fair
Distribusjon & Logistikk	yearly	Oslo, Norway	Trade Fair
TransUzbekistan	yearly	Tashkent, Uzbekistan	Exhibition
Transport	every 2 years	Herning, Denmark	Trade Fair
CeMAT India	yearly	Bangalore	Trade Fair

Transport. Logistics. Security	yearly	Rostov-on-Don, Russia	Trade Fair
Mölo	every 2 years	Kassel, Germany	Trade Fair
TransLog + Envase Uruguay	every 2 years	Montevideo, Uruguay	Trade Fair
Transport Show	yearly	Zagreb, Croatia	Trade Fair
TransitKazakhstan	yearly	Astana, Kazakhstan	Trade Fair
Transped - Comma - Karavany	yearly	Prague, Czech Republic	Exhibition
Interlog	every 2 years	Salzburg, Austria	Trade Fair
City Logistics Expo	yearly	Padua, Italy	Exhibition
Movint	every three years	Bologna, Italy	Exhibition
Roadex-Railex	every 2 years	Abu Dhabi, United Arab Emirates	Trade Fair / Conference
Service World	yearly	Munich, Germany	Exhibition
Expo Empague	every 2 years	Monterrey, Mexico	Exhibition
NMW National Manufacturing Week	yearly	Melbourne, Australia	Exhibition

Svizzeralogistica	yearly	Lugano, Switzerland	Trade Fair
International Freight Week	yearly	Abu Dhabi, United Arab Emirates	Trade Fair
Expo Manejo de Materiales y Logística	every 2 years	Monterrey, Mexico	Exhibition
Materials Handling	yearly	Istanbul, Turkey	Trade Fair
Intermodal Europe	yearly	Valencia, Spain	Trade Fair
Logistics World	yearly	Nanjing, China	Trade Fair
Budatranspack	every 2 years	Budapest, Hungary	Trade Fair
Logtrans	every 2 years	Frankfurt am Oder, Germany	Trade Fair
easyFairs® LOGISTIK	yearly	Hamburg, Germany	Trade Fair
Post-Expo	yearly	Stuttgart, Germany	Trade Fair
Deutscher Logistik-congress	Oct. yearly	Berlin, Germany	congress
Cool Chain Europe	Jan . yearly		Conference
LogiCon	Feb. yearly	Stuttgart, Germany	Trade Fair

Supply Chain Technology Forum	Feb . yearly		Conference
urban transport world Australia	Feb . yearly	Sydney, Australia	Trade Fair / Conference
SITL Trade Show of the Logistics Solutions	March yearly	Paris, France	Trade Fair
CeBIT	March yearly	Hannover, Germany	Trade Fair
LogiMAT	March yearly	Hannover, Germany	Trade Fair
Intermodal South America	April yearly		Trade Fair
CeMAT	May every 3 years	Hannover, Germany	Trade Fair
interpack	May every 3 years	Dusseldorf, Germany	Trade Fair
transport logistic	June every 2 years	Munich, Germany	Trade Fair
transfairlog	June every 2 years	Hamburg, Germany	Trade Fair
InnoTrans	Sep. every 2 years	Berlin, Germany	Trade Fair

IAA Nutzfahrzeuge	Sep. yearly	Hannover, Germany	Trade Fair
FachPack	Sep. every 2 years	Nuremberg, Germany	Trade Fair
LogIntern	Sep. every 2 years	Nuremberg, Germany	Trade Fair
Deutscher Logistik-congress	Oct yearly	Berlin, Germany	Trade Fair
MAINTAIN	Oct every 2 years	Munich, Germany	Trade Fair
Motek	Oct yearly	Stuttgart, Germany	Trade Fair
PACK&MOVE	Nov every 2 years	Basel, Switzerland	Trade Fair
Transport Logistic	July every 2 years	Munich, Germany	Trade Fair
European Supply Chain and Logistics Summit	July yearly	Berlin, Germany	Conference
SIL 2011	July yearly	Barcelona, Spain	Trade Fair
TRANSLOG	yearly	Hamilton/Ontario, Canada	Conference

Sole --Annual International Logistics Conference and Exhibition	yearly	Hyatsville/Maryland, USA	Conference
Dortmunder Gespräche	Sep. yearly	Dortmund, Germany	Conference
Holland Transport & Logistics Show	Sep. yearly	Rotterdam, the Netherlands	Trade Fair
St. Galler Logistikdienstleistungs-congress	Sep. yearly	Basel, Switzerland	Conference
CeMAT Asia	Oct yearly	Shanghai, China	Trade Fair
China International Logistics and Transportation Fair	Oct yearly	Shenzhen, China	Trade Fair
Deutscher Logistik-congress	Oct yearly	Berlin, Germany	Conference
ECITL European Conference on ICT for Transport Logistics	yearly		Conference
IAME -International Association of Maritime Economists	July every 2 years		Conference
Thailand International Logistics Fair	yearly	Bangkok, Thailand	Trade Fair
World Congress on Intelligent Transport Systems	yearly		Conference

International Freight Week	yearly	Abu Dhabi, United Arab Emirates	Trade Fair
LOGITRANS Madrid	yearly	Madrid, Spain	Trade Fair
Svizzeralogistica	July every 2 years	Lugano, Switzerland	Trade Fair
Logitrans Istanbul	yearly	Istanbul, Turkey	Trade Fair

Table 9 - List of Events