

Deliverable D500.6.7

Final Report in Dissemination Activities

WP 500

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| | Flspace – 604 123 |
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The Flspace Project

As a use case project in Phase 2 of the FI PPP, Flspace aims at developing and validating novel Future-Internet-enabled solutions to address the pressing challenges arising in collaborative business networks, focussing on use cases from the Agri-Food, Transport and Logistics industries. Flspace will focus on exploiting, incorporating and validating the Generic Enablers provided by the FI PPP FI-Ware project with the aim of realising an extensible collaboration service for business networks together with a set of innovative test applications that allow for radical improvements in how networked businesses work in the future. These solutions will be demonstrated and tested through early trials on experimentation sites across Europe. The project results will be open to the FI PPP program and the general public, and the pro-active engagement of larger user communities and external solution providers will foster innovation and industrial uptake planned for Phase 3 of the FI PPP.

The project will lay the foundation for realizing the vision and prepare for large-scale expansion, complying with the objectives and expected results of the Phase 2 use case projects. To achieve these outcomes the project will focus on the following four primary work areas, for which the main concepts and approach are outlined below:

1. **Implement the Flspace as an open and extensible Software-as-a-Service solution** along with an **initial set of cross-domain applications** for future B2B collaboration, **utilizing the Generic Enablers** provided by the FI-Ware
2. **Establish Experimentation Sites across Europe** where **pilot applications are tested in early trials** from the **Agri-Food and the Transport and Logistics** domains
3. **Provide a working Experimentation Environment** for conducting **early and large-scale trials** for Future Internet enabled B2B collaboration in several domains, and
4. **Prepare for industrial uptake and innovation enablement by pro-active engagement of stakeholders and associations from relevant industry sectors and the IT industry.**

Project Consortium

- | | |
|--------------------------------------|--|
| – DLO; Netherlands | – Kühne + Nagel; Switzerland |
| – ATB Bremen; Germany | – University Duisburg Essen; Germany |
| – IBM; Israel | – ATOS; Spain |
| – KocSistem; Turkey | – The Open Group; United Kingdom |
| – Aston University; United Kingdom | – CentMa; Germany |
| – ENoLL; Belgium | – iMinds; Belgium |
| – KTBL; Germany | – Marintek; Norway |
| – NKUA; Greece | – University Politecnica Madrid; Spain |
| – Wageningen University; Netherlands | – Arcelik; Turkey |
| – PlusFresc; Spain | – EuroPoolSystem; Germany |
| – FloriCode; Netherlands | – GS1 Germany; Germany |
| – Kverneland; Netherlands | – Mieloo & Alexander; Netherlands |
| – North Sea Container Line; Norway | – OPEKEPE; Greece |
| – LimeTri; Netherlands | – Innovators; Greece |
| – BO-MO; Slovenia | – CIT; Spain |
| – MOBICS; Greece | – SDZ; Germany |
| – Fraunhofer IML; Germany | – snoopmedia; Germany |
| – Q-ray; Netherlands | – EECC; Germany |
| – FINCONS; Italy | – CBT; Spain |

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Dissemination Level

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

Change History

| Version | Notes | Date |
|---------|--|------------|
| 001 | Creation of the document | 02.09.2015 |
| 002 | Final Draft for review | 18.10.2015 |
| 003 | Final deliverable after quality review | 30.10.2015 |
| | | |

Document Summary

Work package 500 'Open collaboration and exploitation' aims at:

- (1) Mobilizing, engaging and preparing stakeholders across Europe for participation as application and service developers building on and extending the large scale trials;
- (2) Fostering and demonstrating potential for innovation of Flspace (related to market impact in the food and logistics sector), and
- (3) Delivering a consistent plan to move into the phase 3.

Above objectives are supported by Task 560 'Dissemination and Marketing' running all over the project's lifecycle, in coordination with the FI-PPP Dissemination Working Group (DWG) and with an extended focus of raising interest and awareness in the non-European community.

This deliverable D500.6.7 'Final Report in Dissemination Activities' reports on the progress achieved at the end of project for what concerns the above objectives, specifically presenting Flspace project and work results to the broader public and research communities specified in

initial and updated dissemination plans. It also covers the new website screen shots in the Annex.

After the introduction in section 1, the dissemination activities carried out in the last 18 months of the project is presented in section 2. Finally, section 3 draws some final conclusions.

Abbreviations

| | | | |
|--------|--|-----|--|
| D | Deliverable | ICT | Information and Communication Technology |
| CIO | Chief Information Officer | M | Month |
| CTO | Chief Technology Officer | PR | Public Relations |
| DWG | Dissemination Working Group | SME | Small and Medium Sized Enterprise |
| EU | European Union | WP | Work Package |
| ETP | European Technology Platform | | |
| FIA | Future Internet Assembly | | |
| FI PPP | Future Internet Public Private Partnership | | |
| FP7 | Framework Programme 7 | | |

| | |
|--|-----------|
| Final Report in Dissemination Activities..... | 1 |
| 1. Introduction..... | 8 |
| 2. Dissemination Report (M13-M30) | 9 |
| 2.1. Web Site..... | 9 |
| 2.2. Events, Conferences and Trade Shows..... | 10 |
| 2.3. Publications, Press Releases and Media | 10 |
| 2.4. FIWARE (FI-PPP) and Accelerators..... | 11 |
| 2.5. Technical Trainings and Webinars for Accelerators | 12 |
| 2.6. Collaborations with Other Projects | 12 |
| 2.7. The Use Case Trials and Their Educational and Training Activities | 12 |
| 2.8. The Flspace Foundation..... | 13 |
| 3. Conclusions..... | 14 |
| 4. Annex | 15 |
| 4.1. Flspace Public Project Website Screen Shots | 15 |
| 4.2. Flspace Dissemination Activities in M13 to M30..... | 30 |
| 4.3. Flspace Final Brochure..... | 41 |

List of Figures

| | | |
|------------|---|----|
| Figure 1: | Graphical representation of the targeted stakeholders and cross-functional Future Internet features we want to address in Flspace. | 8 |
| Figure 2: | Flspace Web Site Launch Page..... | 9 |
| Figure 3: | Flspace Homepage (Top) | 15 |
| Figure 4: | Flspace Homepage (Top) | 15 |
| Figure 5: | Flspace Homepage (Top) | 16 |
| Figure 6: | Flspace Homepage (Bottom; twitter, facebook and LinkedIn links) | 17 |
| Figure 7: | Flspace Website (What is Flspace?)..... | 18 |
| Figure 8: | Flspace Website (Towards a Commercial Exploitation) | 19 |
| Figure 9: | Flspace Website (Solutions by Industry)..... | 20 |
| Figure 10: | Flspace Website (Resources, Documentation for Developers) | 20 |
| Figure 11: | Flspace Website (Public Deliverables) | 21 |
| Figure 12: | Flspace Website (Publications) | 22 |
| Figure 13: | Flspace Website (Experimentation Environment)..... | 23 |
| Figure 14: | Flspace Website (Tutorials)..... | 24 |
| Figure 15: | Flspace Website (Courses) | 25 |
| Figure 16: | Flspace Website (FAQs) | 26 |
| Figure 17: | Flspace Website (Events) | 27 |

| | | |
|------------|---|----|
| Figure 18: | Flspace Website (About Us, Project Partners)..... | 28 |
| Figure 19: | Flspace Website (About Us, Contact) | 29 |
| Figure 20: | Flspace Final Brochure (Front Cover)..... | 41 |
| Figure 21: | Flspace Final Brochure (Inner Left) | 42 |
| Figure 22: | Flspace Final Brochure (Inner Right)..... | 43 |
| Figure 23: | Flspace Final Brochure (Back Cover)..... | 44 |

List of Tables

| | | |
|----------|--|----|
| Table 1: | Dissemination activities in M13 to M30 | 30 |
|----------|--|----|

1. Introduction

The purpose of this document is to provide the final report on dissemination activities carried out in the last 18 months of the project based on initial dissemination plan and the revised dissemination plan which was used to present and propagate Flspace 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. An overview of potential stakeholders which were addressed in dissemination activities can be seen in Figure 1.

The Flspace dissemination activities also contributed to the Flspace community building, raising awareness and creating interest in the targeted communities for the project, and therefore enlarging the project outreach. The Flspace dissemination plan was therefore complementary to the Flspace community-building plan and to the Flspace detailed plan for educational and training activities.

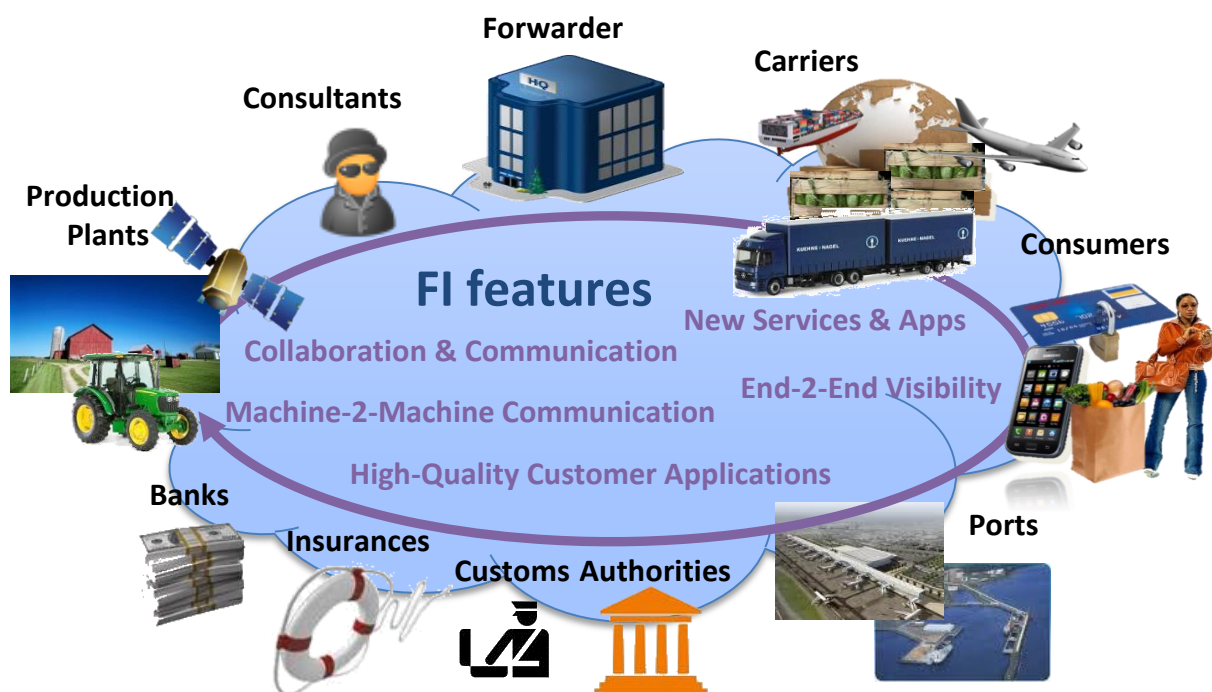


Figure 1: Graphical representation of the targeted stakeholders and cross-functional Future Internet features we want to address in Flspace.

This document presents the Flspace dissemination report for the last 18 months of the project period. After introduction in Section 1, the Section 2 presents the final report on dissemination activities carried out in the second year of the project based on revised dissemination plan which identified the targeted events and activities. Section 3 draws some final conclusions.

2. Dissemination Report (M13-M30)

This section summarizes the dissemination activities carried out between months M13 to M30.

2.1. Web Site

Flspace website shows the project aims and objectives and disseminates information about project activities and results. Flspace website covers all the publicity the project has created including publications, journal articles, tutorials, courses and presentations at conferences. It has also link to the Flspace wiki site where all necessary documentation and information are located for the developers. All Flspace public deliverables are also available in pdf format at resources part in website for the interested parties. The Solutions by Industry menu item at website covers eight Flspace trials and provides information about the trial definition, the applications developed for the trials, how these applications work and the benefits provided by the applications.



Figure 2: Flspace Web Site Launch Page

Available since month 1 of the project, the web site has been continuously updated during the course of the project. A snapshot of the home page (September 2015) can be seen in Figure 2. The detailed web site screen shots have been presented in Annex 4.1 [Flspace Public Project Website Screen Shots](#).

The Flspace website has also links to the social media channels (twitter, linkedin and facebook) (twitter feeds are also provided on launch page) and to the FIWARE website as well as it provides Flspace and program related events information.

The links to Flspace project partners and FIWARE accelerators; FINISH, Fractals, SmartAgriFood and Speed Up Europe, which use Flspace platform are also included in the website. There is a contact form to request further information for interested parties, too.

The website finally includes information about the commercial exploitation of Flspace which will be supported by the Flspace Foundation.

2.2. Events, Conferences and Trade Shows

Flspace partners have participated in a number of related events, conferences and trade shows, prepared publications and press releases, organized workshops in conferences. A number of these events have been highlighted in FI PPP newsletters and FIWARE website news section (<https://www.fiware.org/news/>). All these information in detail can be found in Table 1: Dissemination activities in M13 to M30. In addition to these, some partners; e.g. ENoLL, iMinds, ATOS, IBM, Arçelik and others; have used their established dissemination channels (newsletters, websites / portals, social media, internal distribution lists) to outreach wider audiences as well.

Flspace social media channels are also used to create awareness about the project and its potential solutions. All conference participation of Flspace project has been tweeted from Flspace or partner accounts. These tweets are also broadcasted in Flspace facebook page as well as additional info provided at the Flspace website.

2.3. Publications, Press Releases and Media

The Flspace members have published the following papers during the reporting period:

- Poppe, K. J., Wolfert, J., Verdouw, C. N., & Renwick, A. (2015). A European perspective on the economics of Big Data. *Farm Policy Journal*, 12(1), 11-19.
- Wolfert, J., Sørensen, C. G., & Goense, D. (2014). A future internet collaboration platform for safe and healthy food from farm to fork. *Global Conference (SRII), 2014 Annual SRII* (pp. 266 - 273). San Jose, CA, USA: IEEE.
- Verdouw, C. N., Beulens, A. J. M., & Wolfert, J. (2014). Towards Software Mass Customization for Business Collaboration. *Global Conference (SRII), 2014 Annual SRII* (pp. 106 - 115): IEEE.
- Poppe, K., Wolfert, J., & Verdouw, C. N. (2014). How ICT is changing the nature of the farm: a research agenda on the economics of big data. *Proceedings of the 11th European IFSA Symposium*, 1-4 April 2014 in Berlin, Germany. Berlin.
- Kruize, J. W., Wolfert, J., Goense, D., Scholten, H., Beulens, A. J. M., & Veenstra, T. (2014). Integrating ICT applications for farm business collaboration processes using Flspace. *Global Conference (SRII), 2014 Annual SRII* (pp. 232 - 240). San Jose, CA, USA: IEEE.
- Kassahun, A., R. J. M. Hartog, T. Sadowski, H. Scholten, T. Bartram, J. Wolfert and A. J. M. Beulens (2014). "Enabling chain-wide transparency in meat supply chains based on the EP-CIS global standard and cloud-based services." *Computers and Electronics in Agriculture* 109: 179-190. DOI: 10.1016/j.compag.2014.10.002.
- Metzger, P., Leitner, D., Ivanovic, E., Schmieders, R., Franklin, M., Carro, S., Dustdar, and K. Pohl, "Comparing and combining predictive business process monitoring techniques," *IEEE Trans. on Systems Man Cybernetics: Systems*, 2014. <http://dx.doi.org/10.1109/TSMC.2014.2347265>
- Cassales Marquezan, A., Metzger, R., Franklin, and K. Pohl, "Runtime management of multi-level SLAs for transport and logistics services (industry paper)," in *Int'l Conference on Service Oriented Computing (ICSOC 2014)*, Paris, France, November 3-6, 2014, X. Franch, A. Ghose, and G. Lewis, Eds., 2014.
- Gutierrez, C., Cassales Marquezan, M., Resinas, A., Metzger, A., Ruiz-Cortes, and K. Pohl, "Extending WS-Agreement to support automated conformity check on transport & logistics service agreements (short paper)," in *ICSOC 2013*, 2013.

- Z. Feldmann, F. Fournier, R. Franklin, and A. Metzger, “Industry article: Proactive event processing in action: A case study on the proactive management of transport processes,” in Proceedings of the Seventh ACM International Conference on Distributed Event-Based Systems, DEBS 2013, Arlington, Texas, USA, S. Chakravarthy, S. Urban, P. Pietzuch, E. Rundensteiner, and S. Dietrich, Eds. ACM, 2013, pp. 97–106.

Within the FIspace platform, many individual innovations have been made. Thus, FIspace partners have prepared FIspace Innovations document in this period. Many of those were essential to delivering the FIspace platform, others were triggered by the FIspace platform itself. The innovations are structured along four main clusters:

- **App** represent innovative new kinds of apps and services that are made possible by the FIspace concept;
- **Platform** cover innovations related to specific components and features of the FIspace platform itself;
- **Process** relate to innovations in business processes that are possible through the FIspace platform and app, or that support the FIspace concept
- **Infrastructure** relate to novel ways of collecting and integrating data sources that may be integrated with the FIspace platform.

The detailed description of all these innovations can be found on the FIspace web-site at the link <http://www.fispace.eu/fispaceinnovations.html>.

The final version of FIspace Brochure showing major findings has been prepared for business people as target area and printed copies were distributed in major events including NetFutures, ECFI, Open Living Lab Days. The final brochure FIspace project poster has been shown in participated events and project brochures have been distributed to interested parties in these events. The copy of final brochure can be seen in Annex 4.3 Figure 20: FIspace Final Brochure (Front Cover) through Figure 23: FIspace Final Brochure (Back Cover). The trial partners have also prepared flyers for their trials and these flyers were also distributed during these events to the interested parties.

The FIspace partners contributed to program level participated events as European Conference on Future Internet and Net Futures together with FIWARE community (FI-PPP program participants). Press Releases have been arranged by FIWARE press office and audio visual interviews have been given during these events. All press releases can be reached at the link below: <https://www.fiware.org/press-coverage/>

2.4. FIWARE (FI-PPP) and Accelerators

FIspace has participated and contributed FIWARE (FI-PPP) Dissemination activities in this period. FIspace partners joined the program level exhibitions, workshops and dissemination activities at major events such as European Conference on Future Internet, Net Futures and ICT Proposer’s Day. The workshops have been arranged with other program partners and FIWARE accelerators promoting FIspace specific enabler. All these activities are reflected on FIWARE website and the messages are broadcasted via FIWARE press office using different media channels including internal and external newsletters, video messages, press releases, social media channels. The FIspace dissemination team have also participated in FIWARE organized program level alignment meetings and workshops.

All these events information are included in Table 1: Dissemination activities in M13 to M30.

2.5. Technical Trainings and Webinars for Accelerators

Flspace partners organized Technical workshops and webinars towards the developers using Flspace platform. The 1st Flspace Training Session has taken place during the Net Futures event in Brussels. The 2nd face-to-face workshop dedicated to Phase 3 accelerators and developers was organized in Bremen, Germany on the 2nd September 2015.

The 1st Flspace Training Session was organized at the Net Futures Event in Brussels and covered Flspace Introduction, Flspace Foundation, Flspace Experimentation Environment, Flspace Capability Model, Flspace Security Components, Flspace Tools offered to support development in Flspace LiveDemo, Flspace B2B and Flspace Knowledge Transfer parts.

The 2nd face-to-face workshop has taken place in Bremen. The aim of the second workshop was to show the latest updates and available functionalities of the platform through a live, step-by-step demonstration of an end-to-end example. A simple scenario allowed to explain the platform's functioning from various point of views: the developer's, the end user's and the business architect's.

All technical trainings and webinars were recorded and all these recordings and materials from the events are available on the Flspace website under Resources-Tutorials and Courses menus.

2.6. Collaborations with Other Projects

Flspace project has organized Smart Agri Matics 2014 Conference with ICTAGRI-era-net and eFoodChain projects. The conference has taken place in Paris in June 2014. In addition to SmartAgriMatics conference Flspace has participated in organization of the workshop "Future Internet Methods, Architectures and Services for Digital Business Innovation in Manufacturing, Health and Logistics Enterprises" in I-ESA 2014 together with two other FI-PPP projects FITMAN and FI-STAR during this period.

2.7. The Use Case Trials and Their Educational and Training Activities

The Flspace use case trials also played an important role in dissemination. The below listed eight use case trails

- Crop Protection & Information Sharing
- Greenhouse Management and Control
- Fish Distribution & Planning
- Fresh Fruits & Vegetables Quality Control
- Flowers & Plants Supply Chain Monitoring
- Meat Information Provenance
- Import/Export of Consumer Goods
- Tailored Information for Consumer Goods

have made the concepts of Flspace very tangible and visible. Most of these trials have formed a kind of mini-ecosystem of all targeted audiences and sectors in the first phase projects

SmartAgriFood and Flnest. The Flspace trials have prepared knowledge transfer, training, educational material and activities towards the identified stakeholders. All these activities were also used for further dissemination of the Flspace project. The detailed report on these activities can be seen in the deliverable D500.1.5 Report on community building activities, knowledge transfer, education and training activities and potential for innovation.

2.8. The Flspace Foundation

To support the sustainability of the Flspace platform a group of companies (user companies and ICT companies), a government agency and universities have established the Flspace Foundation. This was the result of an open process in which all consortium partners were asked if they had an interest to join. It was officially created in August 2015 under Dutch law. The foundation is the promoter of the open-source and innovative business collaboration platform in agri-food, transport and logistics, called Flspace. The guiding principle for the platform is that companies should be able to exchange and reuse information with their partners and service providers without building custom links with all of these companies. This should be an easy and straightforward process with smartphone apps and online internet of things applications. These apps are able to interact with each other or a third party provided for a user's permission. The goal is to support decision making and make the life of entrepreneurs easier.

The role of the Foundation is to make an open source first version of the platform available and then further develop the platform with the user community of app builders and platform operators. It will also actively support the establishment of business ecosystems based on these open source platform specifications. The Foundation explicitly seeks the collaboration with the industry, to support the interoperability between current commercial platforms. The dissemination activities will be carried out by the Foundation members and the commercial platform owners after the end of Flspace project. Currently the foundation is exploring different routes to finance these activities.

3. Conclusions

To achieve maximal impact of the project Flspace has planned and carried out dedicated activities for dissemination which consider all relevant target groups and types of forums. This deliverable presented the dissemination results of the last 18 months of the project. These activities show Flspace's ambition and power to spread the word about the project in forums ranging from industry-targeted events to research conferences.

It is an encouraging development that a number of companies have concluded that Flspace is such an attractive solution that they actively have created the Flspace Foundation to promote the use and uptake.

In addition to Flspace Foundation the FIWARE accelerator projects; FINISH, Fractals, SmartAgri-Food and Speed Up Europe, which are using Flspace specific enabler, are also promoting Flspace usage in their activities.

Finally, in addition to the dissemination report this deliverable provides updated public project website screen shots, which was continuously updated throughout the project and includes a copy of the final brochure.

4. Annex

4.1. Flspace Public Project Website Screen Shots



Figure 3: Flspace Homepage (Top)



Figure 4: Flspace Homepage (Top)

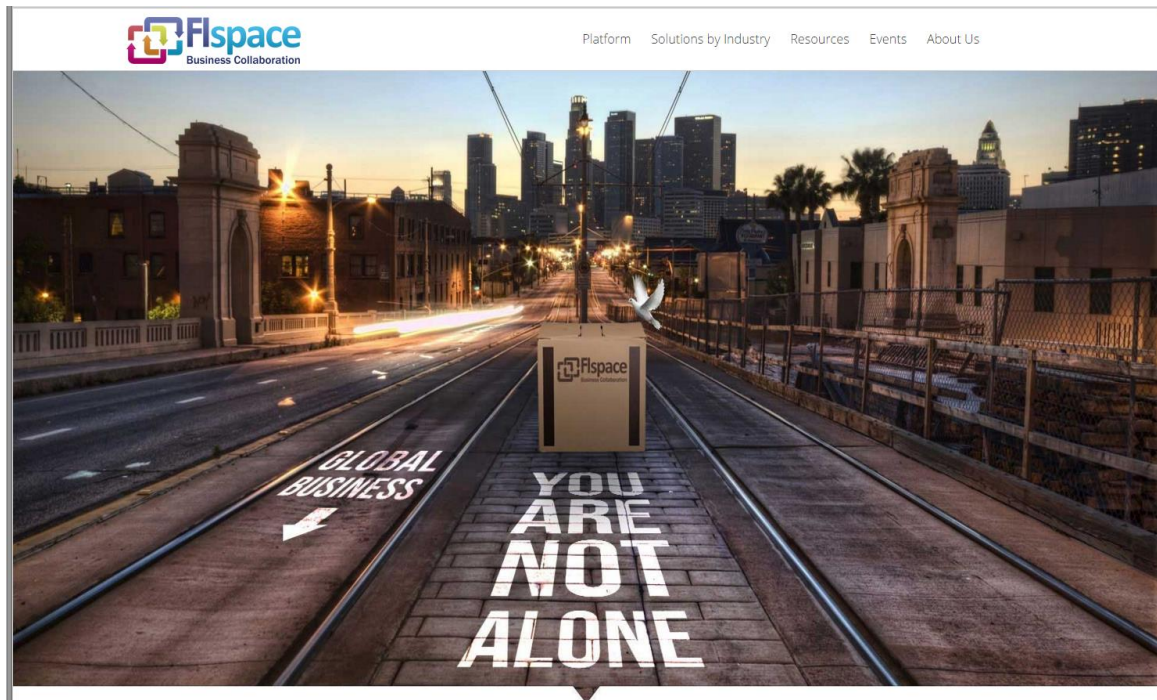


Figure 5: Flspace Homepage (Top)

Curious? Have a look at a demo version of FIspace.

21ST CENTURY BUSINESS PLATFORM

Doing business these days is more complex than ever. Global trade, cost pressure, legally imposed reporting and data storing obligations are just some of the challenges that businesses face. At the same time, new technology holds big potential to react to these challenges. Tracking logistics, for example, connecting humans and devices to the internet and to each other or follow business production- and delivery processes is nothing difficult any more. FIspace is here to provide you with the tools for the 21st century business marketplace.

First steps

</>

Learn how easy it is to develop new, smart and innovative business apps on FIspace. Use the SDK to quickly develop and upload your first app to the FIspace store.

Start developing

Discover our Apps

⚙️

More than 20 apps are currently developed. They address multiple challenges from different sectors, like agri-food, transport and logistics.

Find out more

Concept

💡

FIspace is enabling collaborative business networks in agri-food, transport and logistics by providing a platform based on FIWARE Future Internet technologies.

Learn more


FAQs

?

Questions? Find help at our FAQs and recordings of our Webinars. Or get in contact with us!

Get your answers

Tweets




FIspace.eu @FIspace_eu

EE v1.5.0 is published. Further information about new features will be shared next week! #FIspace_eu #EE #FIWARE

Expand

10 Oct



FIspace.eu @FIspace_eu

New videos are available about the #FIspace Bremen workshop: FIspace.eu/Tutorials.htm

Expand

8 Oct

Working with @H2020ELIAS to conduct Living Lab testing of #FutureInternet tools & #eLearningAnalytics discover more: vimeo.com/141419355

Platform Solutions by Industry Resources Events About Us

Tweet to @FIspace_eu

WHOM WE CAN HELP




From local farmers who want to better grow their crop and offer their products on the market to logistics companies that want to track their shipments around the world in more detail. FIspace can help multiple industries.




Carrier

Logistics

Supply Chain

Agri-food

Copyright 2013


Read about privacy

FIspace has received funding from the European Commission under the FP7 programme.

Figure 6: FIspace Homepage (Bottom; twitter, facebook and LinkedIn links)

FIspace-D500 6 7 FinalReport-V003.docx

Page 17 of 46


FIspace
 Business Collaboration


Platform Solutions by Industry Resources Events About Us

WHAT IS FISPACE?

Fispace is a business-to-business (B2B) collaboration platform. It works like a social network, like LinkedIn or Facebook. Once registered, contacting affiliates is simple, secure and easy. Here is what you can do on Fispace:

- get in contact with business partners, collaborators, suppliers and other companies and professional users
- negotiate collaborations
- detail contracts
- exchange data
- manage intercompany business processes
- deliver and use value-added services
- avoid cumbersome and tedious e-mail exchanges

But the platform does not end there. Fispace prepares to maintain an app store like those known for smart phones and tablets.

Why?

Technology provides endless possibilities for companies to improve performance, act smarter or be more efficient. But small- and medium-sized companies often don't have the resources to invest in this technology or only need a fraction of what software companies provide. Often, a particular app is enough to help solving a very particular problem. Apps could help to process or interpret data and make suggestions or give advice. For example: an app can predict rain and advises a farmer against spraying his field that day. Looking for more examples? View [here](#) the first 29 apps that are in the pipeline for the agri-food-, transport- and logistics sectors.

Via Fispace it is simple to get in contact with app developers that creates tailor-made apps for any business collaboration.

How does that work?

Companies keep a vast amount of information on their products and processes in their systems and data repositories. But when it comes to making this data available to affiliates, along with the product itself, it is a matter of hand-written files, printouts, paperwork or e-mail attachments. With the right apps, most of this data could be exchanged automatically.

In contrast to general social networks, Fispace (app) developers acknowledge that companies require much more control over this sensitive data. They must be ensured that only authorized individuals or organizations have access and can use their data. Fispace does not store the data exchanged between companies. It only stores the links between companies and the rules and conditions for data sharing.

Moreover, companies need much higher standards of security for their data management. The Future Internet technology, on which Fispace is built, makes this possible, e.g. by encryption or selective access rights.



Future Internet will facilitate:

- ... seamless B2B Collaboration (information exchange, communication, coordination of activities)
- ... rapid & easy development of customized solutions at minimal costs
- ... quick formation & evolution of open business networks

- [Read more about the Project Development and Concept](#)
- [Read more about the Project Scope](#)
- The progress of the project is reflected in several public deliverables and updated regularly in the [project wiki](#).

Project Summary


As a use case project in Phase 2 of the FI-PPP, Fispace aims at developing and validating novel Future-Internet-enabled solutions to address the pressing challenges arising in collaborative business networks, focussing on use cases from the agri-food, transport and logistics industries. Fispace will focus on exploiting, incorporating and validating the Generic Enablers provided by the FI-PPP Core Platform with the aim of realising an extensible collaboration service for business networks together with a set of innovative test applications that allow for radical improvements in how networked businesses can work in the future. Those solutions will be demonstrated and tested through early trials on experimentation sites across Europe. The project results will be open to the FI-PPP program and the general public, and the pro-active engagement of larger user communities and external solution providers will foster innovation and industrial uptake planned for Phase 3 of the FI-PPP.



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Fispace has received funding from the European Commission under the FP7 programme.

Figure 7: Fispace Website (What is Fispace?)

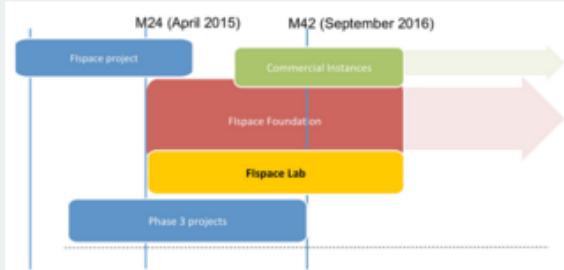


[Platform](#)
[Solutions by Industry](#)
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TOWARDS A COMMERCIAL EXPLOITATION

FIspace prepares its commercial exploitation



FIspace develops a business-to-business (B2B) collaboration platform. The aim is to start the commercial exploitation of the FIspace software as a service once Phase 2 ends (i.e. April 2015).



The commercial exploitation will be supported by the FIspace Foundation. This foundation will take over all the results of the FIspace project (software code, documentation, the FIspace website) from the project consortium partners at the end of the project (April 2015). The Foundation will in principle make this material available to companies that would like to commercially exploit it and agree with the FIspace standards and its dispute resolution procedure.

This means that the FIspace Foundation will sustain the platform as a de facto standard with an accompanying open source reference implementation. Several companies (first from within the current FIspace project partners) will ensure commercial exploitation by making available a specific instance of the platform. This exploitation will be based on the FIspace platform standards and reference technology implementations, which will be maintained by the FIspace Foundation.

An important aspect in this process is the support to the FIWARE Accelerators, now and once commercial exploitation starts. Such support currently takes place through the training program (that started in July); the online documentation aimed notably at App developers and platform providers. It will be soon complemented by an Experimentation Environment that will enable different stakeholders to explore, test, and interact with FIspace services in a controlled environment. Authorised by the FIspace Foundation current project partners will continue that service for Phase-3 accelerators who have not moved to commercial exploitation.

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FIspace has received funding from the European Commission under the FP7 programme.

Figure 8: FIspace Website (Towards a Commercial Exploitation)

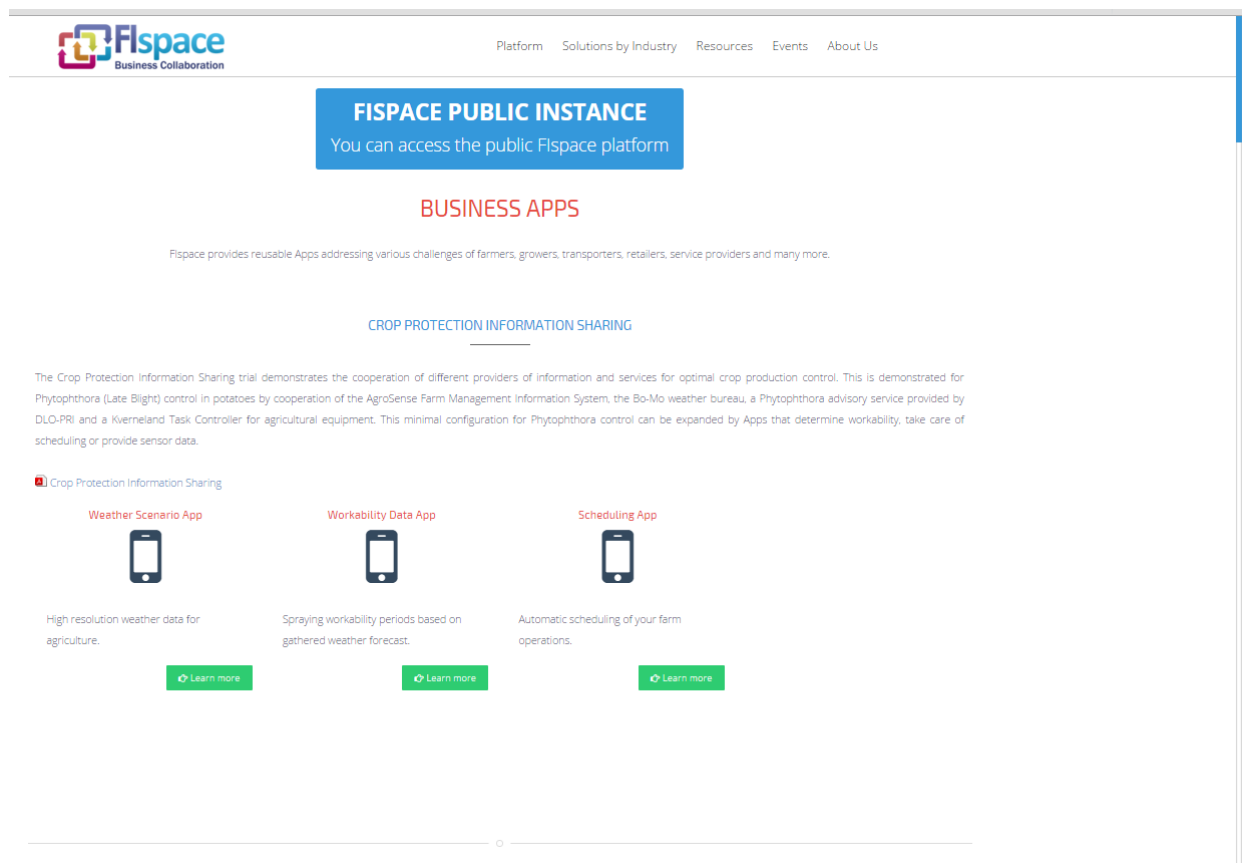


Figure 9: FIspace Website (Solutions by Industry)

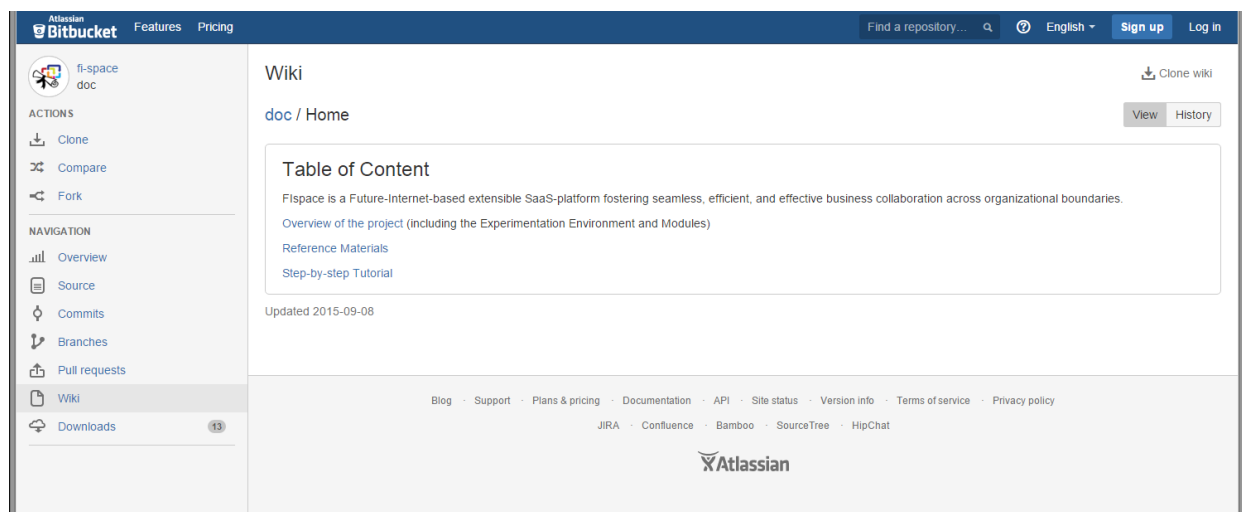


Figure 10: FIspace Website (Resources, Documentation for Developers)

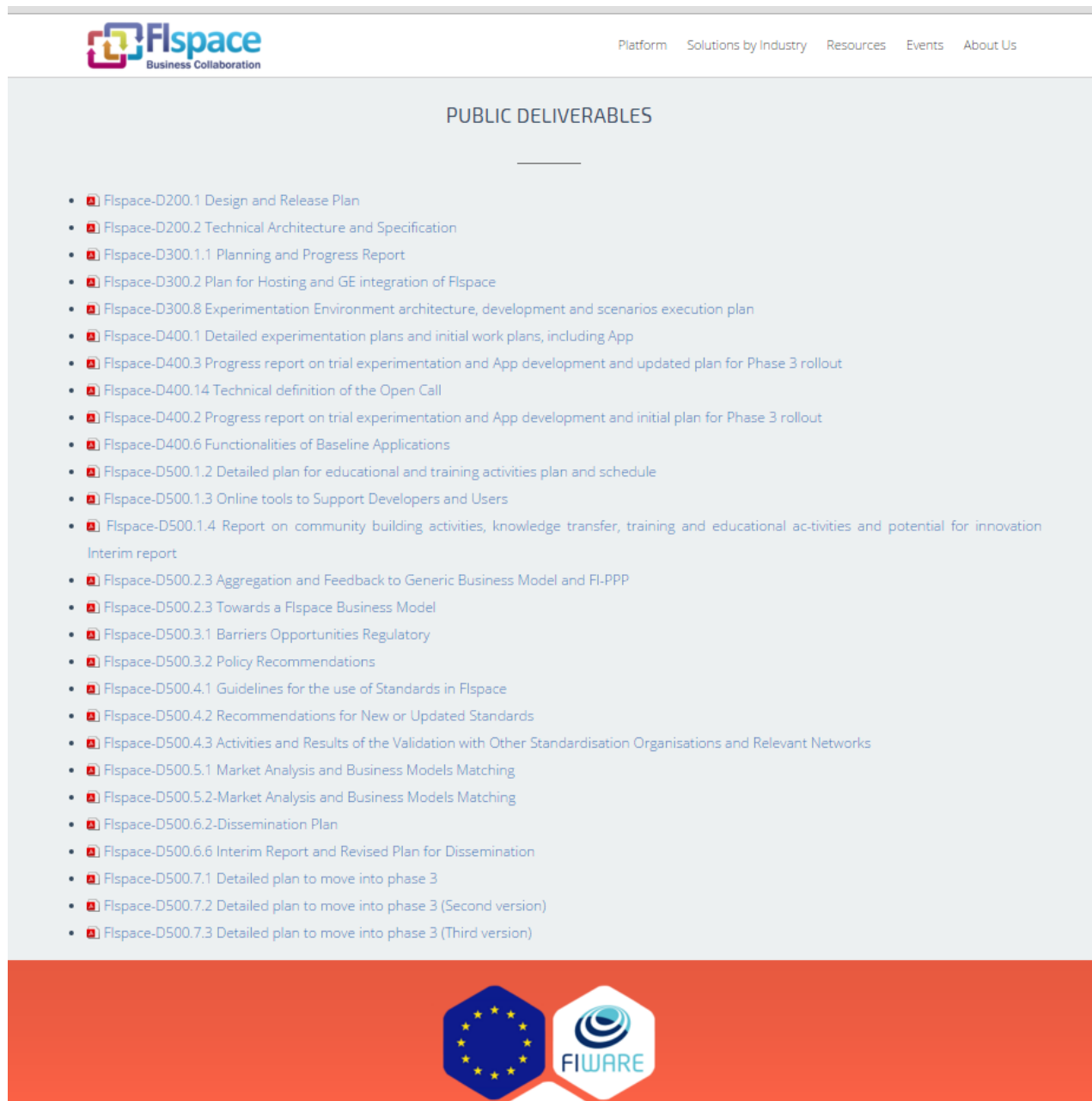


Figure 11: Flspace Website (Public Deliverables)



[Platform](#)
[Solutions by Industry](#)
[Resources](#)
[Events](#)
[About Us](#)

PUBLICATIONS

- Poppe, K. J., Wolfert, J., Verdouw, C. N., & Renwick, A. (2015). A European perspective on the economics of Big Data. *Farm Policy Journal*, 12(1), 11-19.
- Wolfert, J., Sørensen, C. G., & Goense, D. (2014). A future internet collaboration platform for safe and healthy food from farm to fork. *Global Conference (SRII), 2014 Annual SRII* (pp. 266 - 273). San Jose, CA, USA: IEEE.
- Verdouw, C. N., Beulens, A. J. M., & Wolfert, J. (2014). Towards Software Mass Customization for Business Collaboration. *Global Conference (SRII), 2014 Annual SRII* (pp. 106 - 115): IEEE.
- Poppe, K., Wolfert, J., & Verdouw, C. N. (2014). How ICT is changing the nature of the farm: a research agenda on the economics of big data. *Proceedings of the 11th European IFSA Symposium, 1-4 April 2014 in Berlin, Germany*. Berlin.
- Kruize, J. W., Wolfert, J., Goense, D., Scholten, H., Beulens, A. J. M., & Veenstra, T. (2014). Integrating ICT applications for farm business collaboration processes using Flspace. *Global Conference (SRII), 2014 Annual SRII* (pp. 232 - 240). San Jose, CA, USA: IEEE.
- Kassahun, A., R. J. M. Hartog, T. Sadowski, H. Scholten, T. Bartram, J. Wolfert and A. J. M. Beulens (2014). "Enabling chain-wide transparency in meat supply chains based on the EPCIS global standard and cloud-based services." *Computers and Electronics in Agriculture* 109: 179-190. DOI: 10.1016/j.compag.2014.10.002.
- Bartram, T., H. Scholten, A. Kassahun, S. Kläser, R. Tröger, R. J. M. Hartog, A. Schillings-Schmitz and S. Meier (2014). Efficient Transparency in Meat Supply Chains with IT-Standards: EPCIS based Tracking & Tracing for Business Partners, Consumers and Authorities. *IT-Standards in der Agrar- und Ernährungswirtschaft, Fokus: Risiko- und Krisenmanagement, 34. GIL-Jahrestagung, 24-25 February 2014*. M. Clasen, M. Hamer, S. Lehnert, B. Petersen and T. Brigitte. Bonn, Gesellschaft für Informatik e.V.: 185-188. ISBN/ISSN 978-388579-620-6.
- Scholten, H., T. Bartram, A. Kassahun, S. Kläser, R. Tröger, R. J. M. Hartog, A. Schillings-Schmitz, S. Meier and R. Reiche (2014). Enabling Transparency in Meat Supply Chains: tracking & tracing for supply chain partners, consumers and authorities. *IT-Standards in der Agrar- und Ernährungswirtschaft, Fokus: Risiko- und Krisenmanagement, 34. GIL-Jahrestagung, 24-25 February 2014*. M. Clasen, M. Hamer, S. Lehnert, B. Petersen and T. Brigitte. Bonn, Gesellschaft für Informatik e.V.: 181-184. ISBN/ISSN 978-388579-620-6.
- K. Poppe, S. Wolfert, and C. Verdouw, "How ICT is changing the nature of the farm: a research agenda on the economics of big data" in IFSA conference 2014, Berlin, Germany. <http://ifsa.boku.ac.at/cms/index.php?id=133>
- A. Metzger, P. Leitner, D. Ivanovic, E. Schmieders, R. Franklin, M. Carro, S. Dustdar, and K. Pohl, "Comparing and combining predictive business process monitoring techniques," *IEEE Trans. on Systems Man Cybernetics: Systems*, 2014. <http://dx.doi.org/10.1109/TSMC.2014.2347265>
- C. Cassales Marquezan, A. Metzger, R. Franklin, and K. Pohl, "Runtime management of multi-level SLAs for transport and logistics services (industry paper)," in *Int'l Conference on Service Oriented Computing (ICSOC 2014)*, Paris, France, November 3-6, 2014, X. Franch, A. Ghose, and G. Lewis, Eds., 2014.
- A. Gutierrez, C. Cassales Marquezan, M. Resinas, A. Metzger, A. Ruiz-Cortes, and K. Pohl, "Extending WS-Agreement to support automated conformity check on transport & logistics service agreements (short paper)," in *ICSOC 2013*, 2013.
- Z. Feldmann, F. Fournier, R. Franklin, and A. Metzger, "Industry article: Proactive event processing in action: A case study on the proactive management of transport processes," in *Proceedings of the Seventh ACM International Conference on Distributed Event-Based Systems, DEBS 2013*, Arlington, Texas, USA, S. Chakravarthy, S. Urban, P. Pietzuch, E. Rundensteiner, and S. Dietrich, Eds. ACM, 2013, pp. 97-106.





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Figure 12: Flspace Website (Publications)

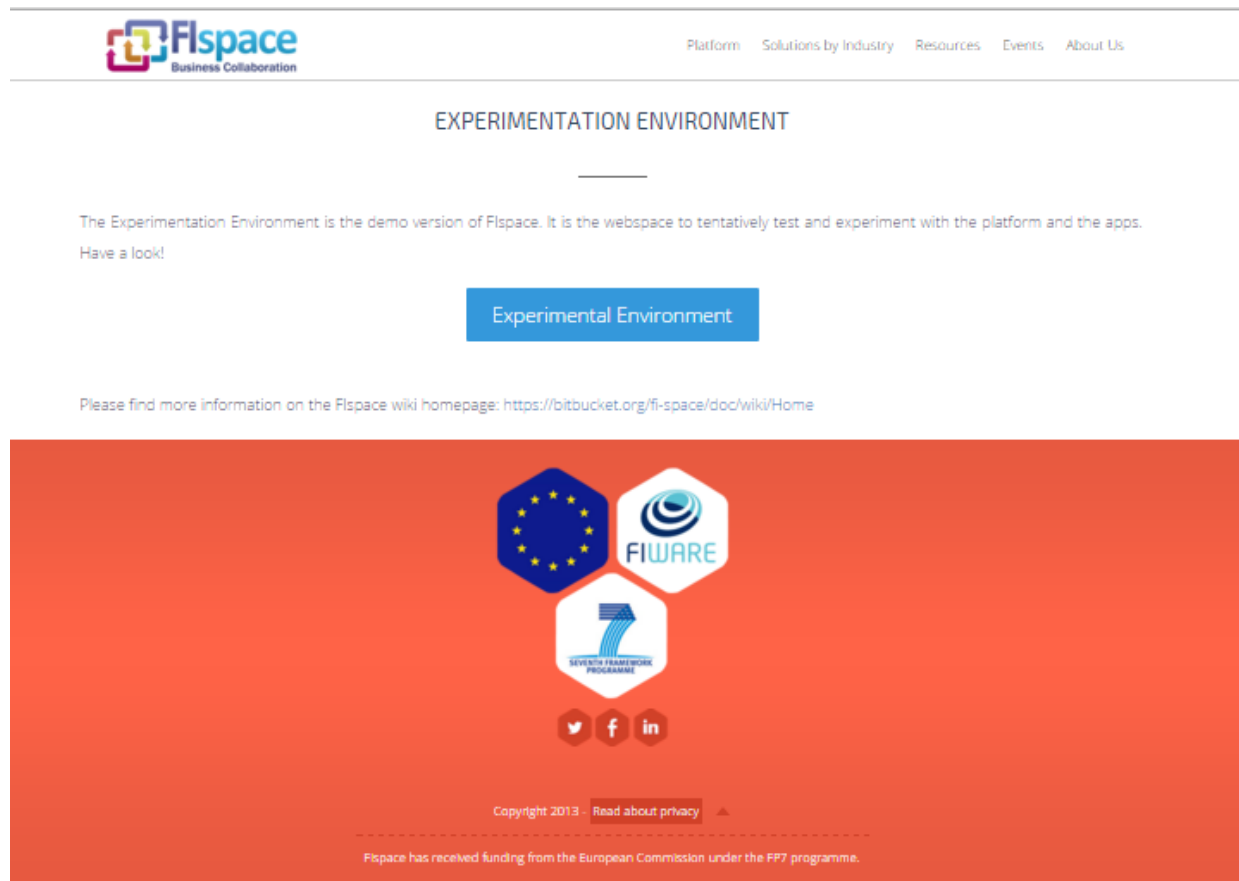



Figure 13: FIspace Website (Experimentation Environment)




Platform Solutions by Industry Resources Events About Us

TUTORIALS

Do you want to get engaged within Fispace Phase 3 Development process?
The following videos help you to get an insight to the project's main milestones, goals, technical environment and background.

> Fispace Technical Workshop Bremen (September 2nd 2015)

Interview with Fispace Technical Leads



Latest updates and available functionalities of the platform through a live, step-by-step demonstration of an end-to-end example.

+ Fispace in practice

Weather scenario presented from different aspects/different users point of view. How to request a role? Differences of the tools used by each of them in the front-end. <http://es.slideshare.net/FranciscoPrezDurn/fispace-in-practice>





Figure 14: Fispace Website (Tutorials)



Platform Solutions by Industry Resources Events About Us


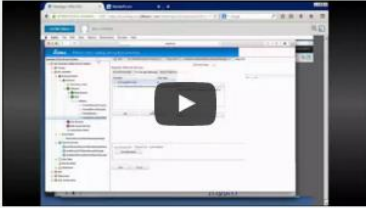
COURSES


Previous Webinars

Name : Capabilities and B2B

Date : 19th May

Time : 10:00 AM



 **PPT** Please register and send your questions [here](#)

Name : Security Models

Date : 15th May

Time : 2:00 PM

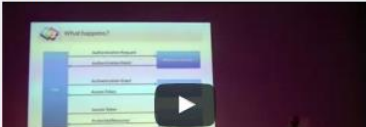


Figure 15: Flspace Website (Courses)



FAQS

General Questions

❓ WHAT INFORMATION IS SHARED IN FISPACE BETWEEN INDIVIDUAL COMPANIES (APPS)?

Information is exchange between apps without interaction of FIspace. FIspace only conducts the business flow, but specific message is exchange between apps directly.

❓ COULD YOU PROVIDE EXAMPLES OF GENERIC ENABLERS, SPECIFIC ENABLERS AND/OR DOMAIN SPECIFIC PLATFORMS TO UNDERSTAND BETTER WHAT OUR PROJECT IS?

FIspace is a specific enabler of FI-WARE, for more information about GEs please visit the FI-WARE catalogue: <http://catalogue.fi-ware.org/>

❓ IS THERE A TEST ACCOUNT AVAILABLE FOR FISPACE?

Yes, it is going to be available for internal use for the open call developers

❓ WHO ARE THE END USERS OF FI WARE? DO USERS NEED TO LOG IN THROUGH A PERSONIFIED FI WARE ENVIRONMENT OR NOT?

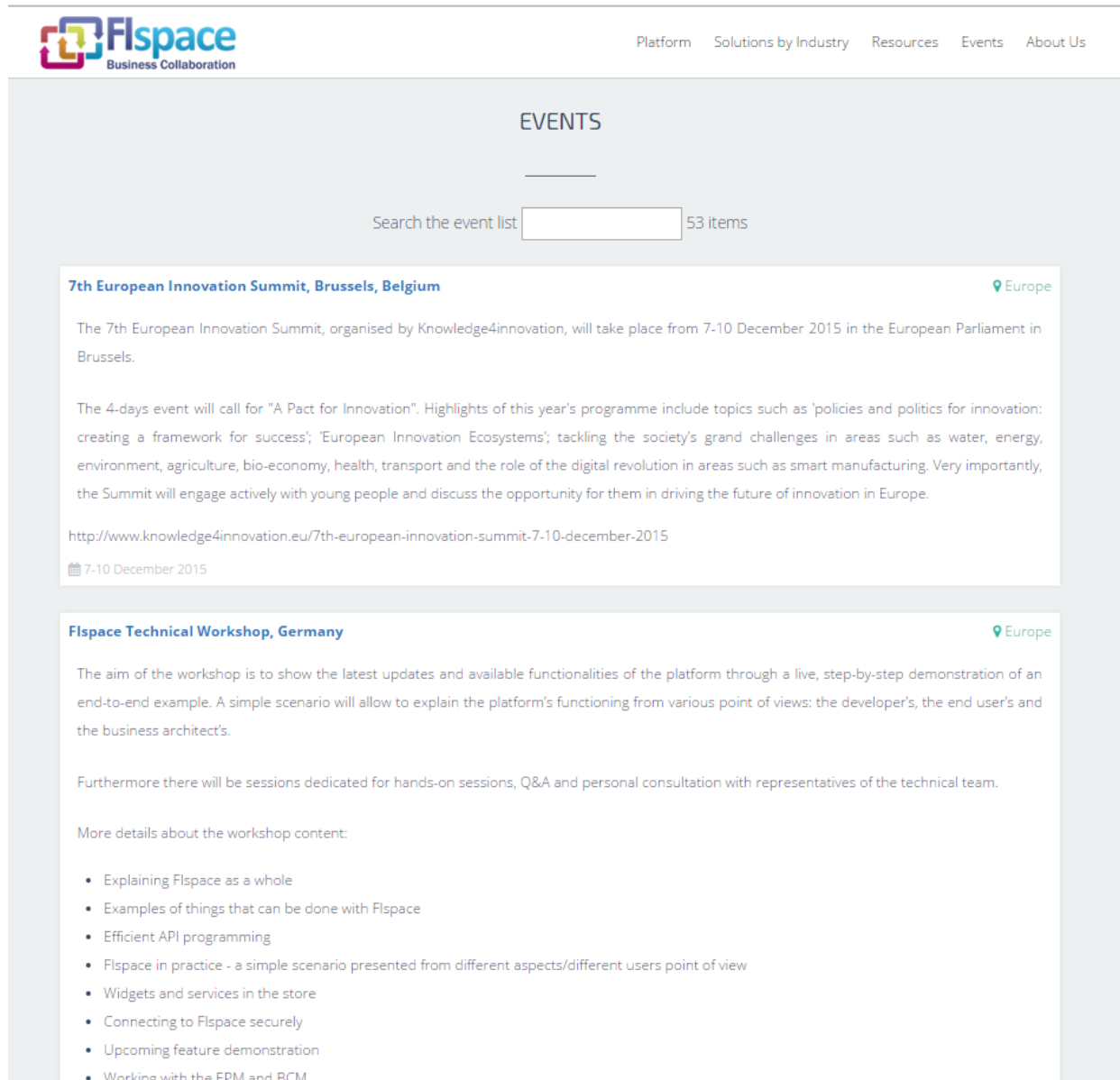
As a B2B collaboration platform, business companies, entities or organization are direct end users of the platform. Those users should create an account in the specific instance of FIspace in order to get grant access and use the API provide

Questions from Developers

❓ COULD YOU EXPLAIN AN EXAMPLE OF USING FI-WARE TECHNOLOGIES WITH FISPACE (FOR INSTANCE, COULD YOU TELL ME HOW TO LINK THE OUTPUT OF GE ORION CONTEXT BROKER OR GE COSMOS TO FISPACE)? TECHNOLOGIES (GE DIFFERENT FROM WIRECLOUD) WITH FISPACE?

FIspace uses wirecloud as widget container and Wstore + infrastructural Ges related to wstore in order to fulfill the store functionalities

Figure 16: FIspace Website (FAQs)



Flspace
Business Collaboration

Platform Solutions by Industry Resources Events About Us

EVENTS

Search the event list 53 items

7th European Innovation Summit, Brussels, Belgium 📍 Europe

The 7th European Innovation Summit, organised by Knowledge4innovation, will take place from 7-10 December 2015 in the European Parliament in Brussels.

The 4-days event will call for "A Pact for Innovation". Highlights of this year's programme include topics such as 'policies and politics for innovation: creating a framework for success'; 'European Innovation Ecosystems'; tackling the society's grand challenges in areas such as water, energy, environment, agriculture, bio-economy, health, transport and the role of the digital revolution in areas such as smart manufacturing. Very importantly, the Summit will engage actively with young people and discuss the opportunity for them in driving the future of innovation in Europe.

<http://www.knowledge4innovation.eu/7th-european-innovation-summit-7-10-december-2015>

📅 7-10 December 2015

Flspace Technical Workshop, Germany 📍 Europe

The aim of the workshop is to show the latest updates and available functionalities of the platform through a live, step-by-step demonstration of an end-to-end example. A simple scenario will allow to explain the platform's functioning from various point of views: the developer's, the end user's and the business architect's.

Furthermore there will be sessions dedicated for hands-on sessions, Q&A and personal consultation with representatives of the technical team.


More details about the workshop content:

- Explaining Flspace as a whole
- Examples of things that can be done with Flspace
- Efficient API programming
- Flspace in practice - a simple scenario presented from different aspects/different users point of view
- Widgets and services in the store
- Connecting to Flspace securely
- Upcoming feature demonstration
- Working with the EPM and BCM

Figure 17: Flspace Website (Events)







Figure 18: Flspace Website (About Us, Project Partners)




Platform Solutions by Industry Resources Events About Us

Contact

- Harald Sundmaeker, ATB Bremen, +49 421 220 920 sundmaeker@atb-bremen.de
- Bert Vermeer, Wageningen UR, bert.vermeer@wur.nl
- Please check the FIWARE Accelerator projects using Flspace solutions :





Contact Form

You can contact us from the form below.

Name

Add your name

Email

Add a valid address

Company

Where are you working?

Website

What is your company website address?

Job Title

What is your job title?

Phone

What is your phone number

Address

Please write your address

City

Which city do you live in?

Country

Which country do you live in?

Inquiry / Comment

What do you think?

Captcha

Please enter the security code

2829

Type the text

Privacy & Terms

RECAPTCHA

Send

Figure 19: Flspace Website (About Us, Contact)

4.2. Flspace Dissemination Activities in M13 to M30

Table 1: Dissemination activities in M13 to M30

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|------------------------------|---------------------|------------------|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 2-3.April.2014 | 1st European Conference on the Future Internet, (1.ECFI), Brussels, Belgium http://www.ecfi.eu/brussels2014/ | Academia, Research, Industry | Europe | 250 | Ana Garcia, Haluk Gökmen, Sjaak Wolfert, Harald Sundmaeker, Heritiana Ranaivoson, Pieter Ballon |
| 2-4. April. 2014 | IFSA conference, Berlin, Germany (conference on Systems Research in Agriculture), Paper on ICT and Flspace, http://ifsa.boku.ac.at/cms/index.php?id=133 | Academia, Research | Europe | 200 | Krijn Poppe |
| 7-8. April. 2014 | Koç Technology Board Annual Assembly | Industry, Academia, Research | Europe | 100 | Hande Koç, Haluk Gökmen, Ferhad Erdoğan, Mehmet Önat |
| 10. April. 2014 | AES (Agricultural Economics Society) annual conference, Paris, France Paper on ICT and Flspace, http://www.aes.ac.uk/page.asp?ID=3 | Academia, Research | UK + France | 200 | Krijn Poppe |
| 23-25.April. 2014 | Annual SRII Global Conference 2014, Silicon Valley, San Jose, CA, USA, http://www.thesrii.org/index.php/conference/2014-global-conference | Industry, Academia, Research | Global | ~300 | Sjaak Wolfert |
| April/May 2014 | Article on MIP in PROZEUS NL and on PROZEUS Webpage | Industry, SMEs | Germany | NA | GS1 G |
| 6-9.May. 2014 | IST-Africa 2014, Mauritius, | Industry, Academia, Research | Africa-Europe | ~250 | DLO |
| May 2014 | Demonstration of Flspace platform to national project on transport and logistics (LoFIP) | Research, Industry | Germany | 20 | Andreas Metzger |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|--|--|---|------------------|--|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 27 May 2014 | NESSI Summit 2014, Brussels, Belgium http://www.nessi-eu-rope.eu/?Page=nessi_summit_2014 | Industry, Academia, Research and Policy Makers | Europe | 80 | Andreas Metzger |
| 26-29. May. 2014 | 8 th ACM International Conference on Distributed Event Based Systems (DEBS14), Mumbai, India. Accepted Tutorial: “The Internet of Everything”, http://www.cse.iitb.ac.in/debs2014/ | Academia, Research, Industry | Global | 80 | IBM: Sarit Ar-cushin, Fabiana Fournier, Opher Etzion |
| 29-30. May. 2014 | Innovation Week Izmir, Turkey http://www.turkiyeinovasyo-nhaftasi.com/tr/etkinlik-hakkinda-gecmis-etkinlikler-2014ten-kalanlar.html | Academia, Research, Industry | Turkey with International participation | 3200 | H.Gökmen-ARC |
| June 2014 | Enabling Self Organising Logistics on the Web of Things. Position paper for the W3C Workshop on the Web of Things 2014 | Industry | Europe | 100 | Aston |
| June 2014 | Linked data Driven, EPCIS Event Based Traceability in Supply Chains | Industry, Academia | Europe | 120 | Aston |
| 4-5.June. 2014 | Horizon 2020 National Launch Event – Istanbul, Turkey, Flnest/Flspace success story presentation, http://www.h2020.org.tr/tr/haber/horizon-2020-turkiye-ulusal-acilis-konferansi-basariyla-tamamlandi | Industry, Academia, Research and Policy Makers | Europe | 900 | H. Gökmen, E.Özgül (ARC) |
| 15-19 June 2014 | Intern. Conference of the International Food and Agribusiness Management Association, Cape Town, South Africa (www.ifama.org) | Academia Industry | Global | 500 | CentMa |
| 17-18.June. 2014 | Presentation of MIP Trial and Flspace in general | Research Industry | Europe | ~300 | DLO, WU, GS1 G |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|------------------------------|---------------------|------------------|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 18-19 .June. 2014 | SmartAgriMatics 2014, Paris, France, http://www.smartagrimatics.eu/ | Academia, Research, Industry | Global | ~150 | Sjaak Wolfert, Harald Sundmaeker, Ana Garcia, Annelise De Smet, Robert Reiche, Huub Scholten, Krijn Poppe, Haluk Gökmen, OPEKEPE, MARINTEK, ATOS, Plusfresc, open call partners |
| 22-25.June.2014 | Research paper at 25 th European Regional Conference of the International Telecommunication Society, Brussels, Belgium http://www.itseurope.org/pdf/programme/Programme8.5.2014.pdf | Academia, Industry | Europe | 150-200 | iMinds |
| June 2014 | 3 rd Stakeholder Meeting FFV Trial | Industry | Germany | 30 | CentMa, ATB, Euro Pool |
| 27-30. July. 2014 | World Conference on Computers in Agriculture and Natural Resources, Costa Rica (www.wcca2014.org) | Academia Industry | Global | 200 | DLO CentMa |
| August.2014 | Article in GS1 Austria Customer Magazine, http://www.gs1.at/downloads | Industry, Retail | Austria | NA | GS1 G |
| 19-21. August 2014 | EPCIS event based traceability in healthcare supply chains via automated generation of linked pedigrees at SemTechBiz, San Jose, USA http://semtechbizsj2014.semantic-web.com/agenda.cfm?confid=82&scheduleDay=08/20/14 | Industry, Academia, Research | Global | 400 | Aston |
| 26-29. August. 2014 | European Association of Agricultural Economists, Ljubljana, Slovenia (http://www.eaae2014.si/) | Academia | Europe | 400 | DLO CentMa |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|--|---|---------------------|------------------|--|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| September 2014 | Modelling and Linking transformations in EPCIS governing supply chain business processes at EC-Web 2014, Germany, http://link.springer.com/chapter/10.1007%2F978-3-319-10491-1_5 | Academia, Research, Industry | Global | 200 | Aston |
| September 2014 | Detecting EPCIS Exceptions in linked traceability streams across supply chain business processes at SEMANTICS 2014, Germany | Academia, Research, Industry | Global | 200 | Aston |
| 2-5. September. 2014 | Open Living Lab Days 2014, http://openlivinglabdays14.com/ , Amsterdam, Netherlands | Academia, Research, Industry, Policy Makers | Global | 300 | Ana Garcia |
| 5. September. 2014 | SOUL-FI Meeting, Porto, Portugal | Academia, Industry, Research | Europe | 200 | Eloi Montcada (Plusfresc) |
| 6-14 September 2014 | 79th TIF THESSALONIKI INTERNATIONAL FAIR, Thessaloniki, Greece, http://tif.helexpo.gr/tif/en | Industry, Academia, SME's, Policy Makers | Greece, Global | 200,000 | OPEKEPE |
| 8. September. 2014 | 3rd Workshop on Data and Artifact Centric, Haifa, Israel Paper title: "The BE ² model: When Business Events meet Business Entities, Authors: Fabiana Fournier and Lior Limonad, https://sites.google.com/site/dab32014/ | Research, Industry | Israel | 20 | Fabiana Fournier, Lior Limonad |
| September 2014 | Opportunities in Phase 3, Stakeholder Info Day, FFV Trial | Industry | Germany | 100 | CentMa, ATB, Euro Pool |
| 12 September. 2014 | Phase 3 Accelerator Workshop of Finish and SpeedUpEurope for Entrepreneurs about FIWARE and Flspace | Industry, Research | Germany | 50 | ATB |
| 17-18. September 2014 | 2. ECFI, Munich, Germany, http://www.ecfi.eu/munich2014/ | Industry, Academia, Research | Germany | 600 | ARC, iMinds, DLO, CentMa, ATB, Euro Pool, KOC, IBM, UDE, GS1 G, WP400 team |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|----------------------------------|---------------------|------------------|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 23-24. September. 2015 | ECR Tag 2015 „Transform now! Channel Management in der Value Chain 4.0“, Bonn, Germany, http://www.ecrtag.de/ | Academia, Research, Industry | Europe | 950 | Tim Bartram, Sabine Kläser |
| 02. October. 2014 | Journal article. Enabling chain-wide transparency in meat supply chains based on the EPCIS global standard and cloud-based services. doi:10.1016/j.compag.2014.10.002 | Academia, Research, Industry | World | Potentially many | Ayalew Kassahun, Rob Hartog, Huub Scholten and Adrie Beulens (WU); Tim Sadowski and Tim Bartram (GS1G); Sjaak Wolfert (LEI) |
| 6-9. October. 2014 | 9th Conference of the Asian Federation for Information Technology in Agriculture, Perth, Australia, http://asicta.org/AFITA2014/ | Industry, Academia, Research | Asia | 250 | CentMa |
| 7. October. 2014 | Matchmaking event Flspace “Smart Apps for Food & Flowers” Monster, The Netherlands | Industry Academia Research | The Netherlands | 120 | Q-ray, DLO, Floricode |
| 9-10. October. 2014 | ICT Proposers' Day, Florence, Italy, http://ec.europa.eu/digital-agenda/en/ict-proposers-day-9-10-october-2014 | Industry, Academia, Research | Europe | ~3000 | ARC, KOC |
| 15-17 October. 2014 | MULTI-SITE FIWARE EVENT: Connecting cities to the Internet of the Future Seville , Valencia, Las Palmas de Gran Canaria, Spain, http://www.fiware.org/multisiteevent/ | Industry, Academia, Research | Spain | 200 | Atos, Plusfresc, |
| 21.October 2014 | EPCIS event based traceability in pharmaceutical supply chains via automated generation of linked pedigrees at ISWC 2014, Riva del Garda, Trentino, Italy http://www.slideshare.net/nimonika/iswc2014-40532507 , | Industry, Academia, Research | Global | 600 | Aston |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|--|------------------------------|---------------------|------------------|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| | http://iswc2014.semanticweb.org/ | | | | |
| 27-29. October 2014 | Paper and presentation at the International Maritime and Port Technology and Development Conference, Trondheim, Norway http://www.mtec-conf.org/ "Future Internet Based Services for Improved Transport Planning and Capacity Utilization", and "Future Internet Enabled Ship-Port Coordination" | Industry, Academia, Research | Global | 70 | Agathe Rialland, Marianne Hagaseth, Asmund Tjora |
| November 2014 | A knowledge driven approach towards the validation of externally acquired traceability datasets in supply chain business processes at EKAW 2014 | Industry, Research, Academia | Global | 400 | Aston |
| 3-6. November. 2014 | 12th International Conference on Service Oriented Computing (ICSOC 2014), Paris, France, http://www.icsoc.org/ | Industry, Academia, Research | Global | 200 | UDE |
| 04-06. November. 15 | Industry Paper: "Runtime management of multi-level SLAs for transport and logistics services" in Int'l Conference on Service Oriented Computing (ICSOC 2014), Paris, France, November 3-6, 2014, X. Franch, A. Ghose, and G. Lewis, Eds., 2014. | Research, Industry | International | 200 | C. Marquezan (UDE), A. Metzger (UDE), K. Pohl (UDE) |
| 7. November .14 | Presentation: "Predictive Analytics for Service-oriented Business Processes", IFIP Working Group "Services-Oriented Systems", Annual Meeting, Paris, France. November, 2014. | Research | International | 15 | A. Metzger (UDE) |
| 18-20. November. 2014 | Smart City Expo, World Congress, Barcelona, Spain, http://www.smartcityexpo.com/en/ | Industry, Academia, Research | Global | 9000 | ATOS, iMinds |
| 20-21. November. | NESSI Member's and International Cooperation Day, | Industry, Aca- | Global | 110 | UDE, ARC |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|---------------------------------|--|------------------|--|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 2014 | Barcelona, Spain, http://www.nessi-eu-rope.eu/?page=eventsdetails&listID=9&rowID=495 | demia, Research | | | |
| 24. November. 15 | Keynote presentation and panel discussion: “Big Data Value: Opportunities and Value Add: The Future Logistics Example”, ComIn Talk, Essen, Germany | Research, Industry, SMEs | Germany | 30 | A. Metzger (UDE) |
| November 2014 | Presentation at Conference: EuroID in Frankfurt/Main | Industry and Solution Providers | Germany | NA | GS1 G |
| November 2014 | 4 th Stakeholder Meeting FFV Trial | Industry | Germany | 30 | CentMa, ATB, Euro Pool |
| December .2014 | Journal Article: “Comparing and combining predictive business process monitoring techniques,” IEEE Trans. on Systems Man Cybernetics: Systems, 2014. http://dx.doi.org/10.1109/TSMC.2014.2347265 | Research, Industry | International | Tbd | A. Metzger (UDE), P. Leitner (U Zurich), D. Ivanovic (UPM), E. Schmieders (UDE), R. Franklin (KN), M. Carro (UPM), S. Dustdar (TU Vienna), K. Pohl (UDE) |
| 4-6. December. 2014 | Innovation Week Istanbul http://www.turkiyeinovasyonhaftasi.com/tr/istanbul-2014-etkinlik-programi.html | Industry, Academia, Research | Turkey with International participation(Netherlands Partner Country) | Over 40.000 | ARC (Main Sponsor of the Event) |
| December 2014, February 2015 | Opportunities in Phase 3 info days with Phase 3 projects | Industry, Academia, Research | European Countries | 500 to 1000 | ARC, KOC, ATB, DLO, GS1 G, Euro Pool, iMinds |
| 22 January 2015 | Consumer workshop presentation of TIC apps Lleida, Spain | Industry | Spain | 20 | Plusfresc |
| 22.January.2015 | SIERTEELT(DIGI)TAAL (‘Floriculture digital’), Floricode annual conference, “FIspace APP’s for the registration of the plant quality in the supply chain” http://www.floricode.com/e | Industry | Europe | 200 | R. Robbmond (WUR-LEI), H. Zwinkels Floricode |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|--------------------------------------|---------------------|------------------|-------------------------------|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| | n-us/floricode/actueel/events/naslagwerk.aspx | | | | |
| 22 January 2015 | Connected Smart Cities Conference, Brussels, Belgium http://www.eventbrite.com/e/connected-smart-cities-conference-tickets-14661965333 | Industry, Academia, Research | Europe | 120 | ARC, iMinds, ENoLL |
| 4-6. February. 2015 | Fruit Logistica 2015, Berlin, Germany, http://www.fruitlogistica.de/en/ Booth Presentation + Q&A | Industry | Germany | 200 | Euro Pool |
| 09-13 February 2015 | GS1 Global Forum, Brussels, Belgium http://forum.gs1.org/ | GS1 Global Member Organisations | Global | 600 | GS1 Germany |
| 9-13. February. 2015 | 9 th International European Forum (Igls-Forum) - (139th EAAE Seminar) on System Dynamics and Innovation in Food Networks, Innsbruck-Igls, Austria, http://www.fooddynamics.org/ | Academia | International | 80 | CentMa, Euro Pool |
| 23-24. February. 2015 | 35. GIL-Jahrestagung, Komplexität versus Bedienbarkeit, Mensch-Maschine-Schnittstellen, Geisenheim, Germany (http://www.gil-net.de/Tagung/472.pdf) | Academia, Research, Industry | Germany | 90 | CentMa |
| 10-11.March. 2015 | ITEA & ARTEMIS Co-summit, Berlin (Germany) https://artemis-ia.eu/co-summit-2015/index.html | Academia, Research, Industry | Global | 300-400 | KOC, UDE |
| 16-19. March. 2015 | Milan Global Entrepreneurship Congress (GEC) http://eventegg.com/gec-2015/ | Entrepreneurs, Investors, Industry - | Worldwide | 3000 | ENoLL |
| 18.March.2015 | Future Internet in Horizon 2020: how to build a pan-European framework to support Innovation in SMEs" | Academia, Research, Industry | Europe | 100-150 | ATOS |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|--|------------------------------|---------------------|--|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| | Summit, Rome, Italy https://www.fi-fi.eu/news/eventview/article/future-internet-in-horizon-2020-how-to-build-a-pan-european-framework-to-support-innovation-in-smes.html | | | | |
| 25-26.March.2015 | Net Futures 2015, Brussels, Belgium (former annual Future Internet Assembly-FIA Event), http://netfutures2015.eu/ | Academia, Research, Industry | Europe | 600 | DLO, ATB, KOC, IBM, UDE, ARC, ATOS, ENoLL, NKUA |
| 1.April. 2015 | Biennale International Design Saint-Etienne 2015, France; Business Design session http://www.biennale-design.com/saint-etienne/2015/fr/home/ | Academia, Research, Industry | Global | ~5000 (100 participants on the workshop session) | ENoLL, Grigoris Chatzikostas – FRACTALS Accelerator |
| 29-30 April, 2015 | Research Paper Presentation: F. Föcker, A. Neubauer, A. Metzger, G. Gröner, and K. Pohl, "Real-time cargo volume recognition using internet-connected 3D scanners," in 10th Int'l Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), Barcelona, Spain, J. Filipe and L.Maciaszek, Eds., 2015. | Academia, Research | International | 120 | UDE |
| May 18-24, 2015 | 37th International Conference on Software Engineering | Academia, Research, Industry | International | 900 | UDE |
| May 2015 | Information Processing in Agriculture Journal, Volume 2, Issue 1, May 2015, Pages 51–63, http://www.sciencedirect.com/science/article/pii/S2214317315000153 | Research, Academia | Global | N/A | Sokratis Barmounakis, Alexandros Kaloxylas, Aggelos Groumas, et al. |
| 17-19 June 2015 | BDVA 2015 Madrid Summit, Madrid, Spain http://www.bdva.eu/ | Industry, Academia, Research | Europe | 350 | UDE |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|---|--|---------------------|------------------|-------------------------------|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| June 29 - July 3, 2015 | Research Paper Presentation: C. Reinartz, A. Metzger, and K. Pohl, "Model-based Verification of Event-driven Business Processes," in 9th Int'l Conference on Distributed Event-Based Systems (DEBS), Oslo, Norway, June 29 - July 3, F. Eliassen, R. Vitenberg, R. Friedman, and D. Eysers, Eds. ACM, 2015. | Academia, Research | International | 200 | UDE |
| 25-28. August. 2015 | OpenLivingLab Days 2015-01-26, Turkey, Istanbul http://www.openlivinglabs.eu/event/openlivinglab-days-2015 | Academia, Research, Industry, Policymakers | Global | ~170 | ENoLL, Arcelik |
| 31. August. 2015 | Data- & Artifact-Centric BPM 4th Workshop Organizer, Innsbruck, Austria, https://sites.google.com/site/dabws2015/ | Academia, Research | Global | 50 | Fabiana Fournier IBM |
| 2.September . 2015 | FIspace Technical Workshop | Accelerators, SMEs | Europe | 25 | All partners |
| 23-24. September. 2015 | Conference "ECR Tag 2015", Bonn, Germany, http://www.ecrtag.de/ | Industry, Retail | Germany | 1.000 | GS1 G |
| 9/2015 | Annual Survey | Industry, Retail | Germany | 3.500 | GS1 G |
| 2. October. 2015 | Workshop on "State of the art technologies in next generation data networks", "Future Internet Space: Cloud-enabled IoT data management for Smart Farming, tracing and business request matching", PCI 2015, 19th Panhellenic Conference on Informatics | Industry, Academia, Research | Greece | ~150 | Sokratis Barmounakis, NKUA |
| 5-6. October 2015 | Horizon 2020 Workshop, Bursa, Turkey | Industry, Academia, Research | Turkey | ~200 | Arcelik |
| 8-9. October 2015 | Conference on Turkish Universities in the European Research Area (ERA), Ankara, Turkey | Industry, Academia, Research | Europe | ~500 | Arcelik |

| Date | Type/ Description/ Title | Audience | Countries addressed | Size of Audience | Partner responsible/ involved |
|---|--|---|---------------------|------------------|---|
| Month 13 – Month 30, April 2014 –September 2015 and Beyond | | | | | |
| 12-13. October .2015 | Horizon 2020 Bridging Days, Izmir Turkey | Industry, Academia, Research | Turkey | ~250 | Arcelik |
| 20 – 22 October 2015 | ICT 2015 Innovate, Connect, Transform, Lisbon, Portugal http://ec.europa.eu/digital-agenda/en/ict2015-innovate-connect-transform-lisbon-20-22-october-2015 | Industry, Academia, Research | Europe | ~5000 | Arcelik, UDE, ATOS, Koc, IBM |
| 4-7 November 2015, Hamburg | ECFI 2015 – 3rd European Conference on the Future Internet http://www.ecfi.eu/ | Industry, Academia, Research | Europe | >400 | DLO, ATB, UDE, ATOS, Arcelik, iMinds, ENoLL |
| 16-17. November. 2015 | European Data Forum 2015 http://2015.data-forum.eu/ | Industry, Researchers, Policymakers | Europe | ~700 | UDE, ATOS, Arcelik |
| 17-19. November. 2015 | Smart City Expo, World Congress, Barcelona, Spain http://www.smartcityexpo.com/en/ | Industry, Policy Makers, Research, Municipalities | Global | ~9000 | ENoLL, ATOS |
| 7-10 December 2015 | 7th European Innovation Summit, Brussels, Belgium http://www.knowledge4innovation.eu/7th-european-innovation-summit-7-10-december-2015 | Industry, Policy Makers, Research, | Europe | 500 | Arcelik |
| 2015 | Business Process Management Workshops, Springer Book, Fabiana Fournier (Editor) http://www.springer.com/us/book/9783319158945 | Academia, Research | Global | N/A | Fabiana Fournier(Editor) IBM |

4.3. Flspace Final Brochure

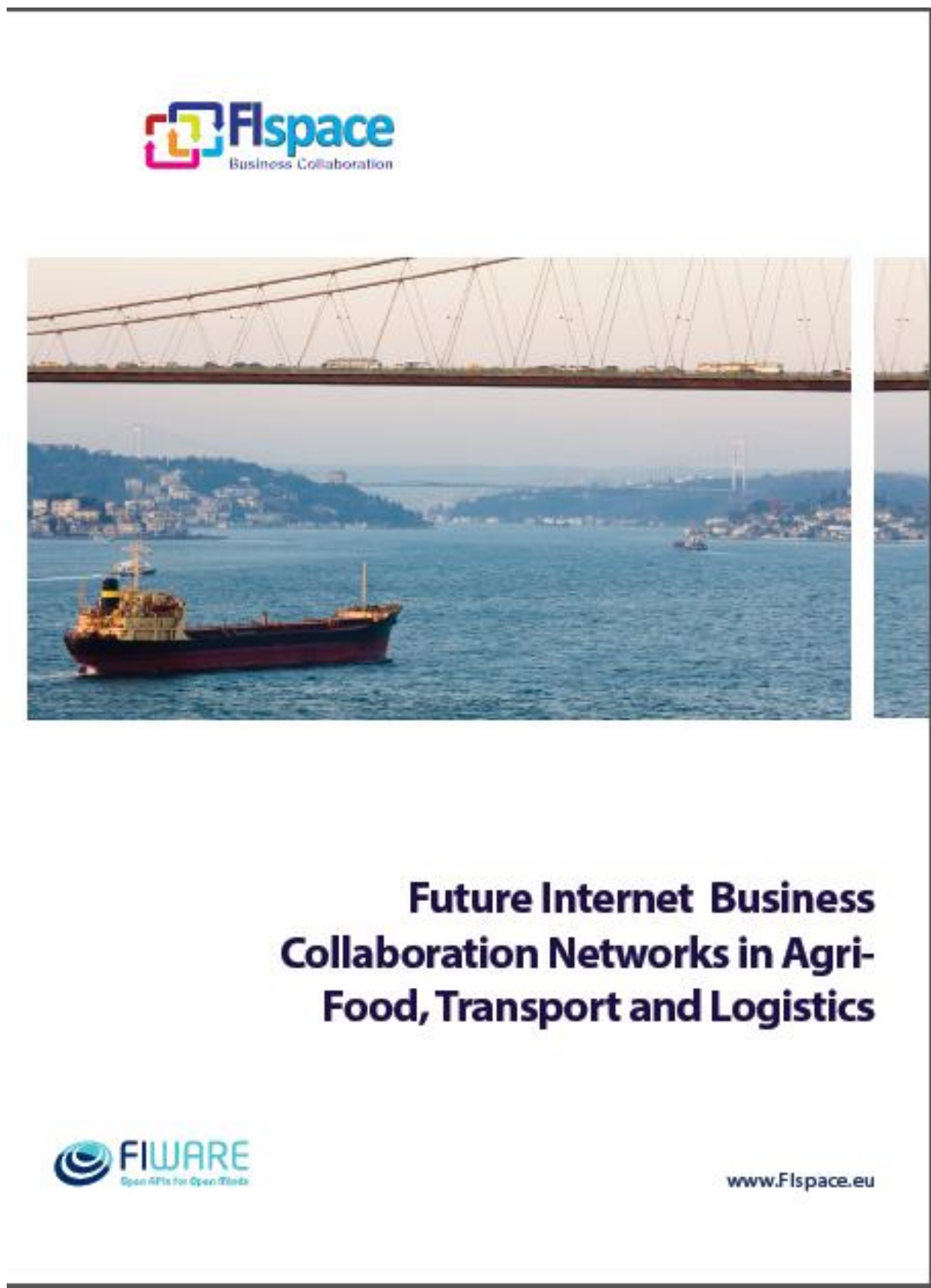


Figure 20: Flspace Final Brochure (Front Cover)



Figure 21: Flspace Final Brochure (Inner Left)

Fspace Approach

A high level schematic of the Fspace collaboration platform showing its relationship to domain users and its Foundation based on FIWARE generic enablers (GEs) is shown in Figure 1.

Fspace has developed a multi-domain collaboration and integration service, based on FIWARE and Future-Internet technologies, enabling new business models that overcome these deficiencies. The basic central features of the Fspace collaboration service are:

- Provisioning of the Fspace service follows the Software-as-a-Service delivery model, which means that Fspace services can be accessed anywhere at any time via any device;
- The Fspace service is an open service that can be extended and customized for specific stakeholder demands by integrating domain apps (similar to the iPhone and Android business models);
- A domain app store facilitating the marketing of targeted applications that take advantage of the collaboration and mash up services of the Fspace and its underlying FIWARE generic enablers;
- A collaboration manager for business-to-business networks that supports the planning and execution of business operations from a global perspective with message-based coordination among the involved business partners;
- Integrated techniques for monitoring and tracking on the basis of data integration from the Internet of Things, including sensor systems and smart item technologies accessible via FIWARE generic enablers;
- Information integration from legacy and third party systems enabled through a service-based integration layer that is enabled and supported by FIWARE generic enablers;
- Role-based views for the individual participants in the business networks along with integrated security and privacy management for fine-grained access control to confidential information;

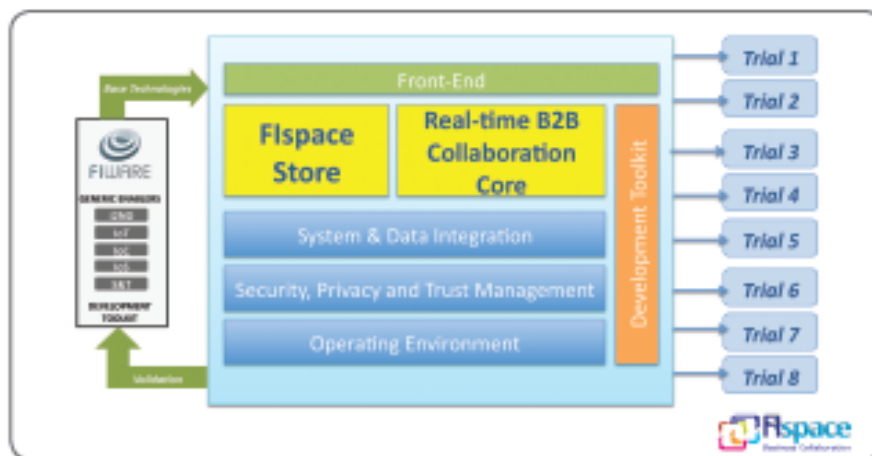


Figure 1 The Fspace concept based on the FIWARE

Figure 22: Fspace Final Brochure (Inner Right)

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Visit our web-site for further details: www.Flspace.eu



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www.Flspace.eu

Figure 23: Flspace Final Brochure (Back Cover)

