

Algemene gegevens	
PPS-nummer	AF-EU-13023
Titel	SmartAgrifood -cSpace
BAPS nummer	BO-23.05-001-009
Topsector en innovatiethema	-
Projectleider (onderzoek)	Sjaak Wolfert
PPS-coördinator (namens private partij)	-
Contactpersoon overheid	-
Status (lopend of afgerond)	lopend
Type onderzoek (F, T of V)	F/T
Werkelijke startdatum	01-04-2011
Werkelijke einddatum	31-09-2015
Korte omschrijving bijdrage DLO aan project	LEI is coördinator van deze FP7 projecten. Naast het management nemen diverse DLO instituten inhoudelijke taken op zich, zoals het leiden van twee trials in het project, het oprichten van een foundation om de commercialisatie van het FISpace mogelijk te maken na afloop van het project.

Highlights
<p>In 2014 is er een eerste implementatie van het Future Internet-gebaseerde FISpace platform gerealiseerd. De <i>App store</i> vormt de kern van het platform. De <i>B2B collaboration core</i> zorgt ervoor dat verschillende Apps met elkaar samenwerken om een compleet business proces in de keten te ondersteunen. Via de <i>System en Data Integration</i> module vindt uitwisseling plaats met externe data en systemen. Dit gaat via de <i>Security, Privacy & Trust</i> laag, zodat data veilig en betrouwbaar kan worden uitgewisseld. Een <i>Software Development Kit</i> faciliteert App-ontwikkelaars om eenvoudig Apps voor het FISpace platform te ontwikkelen. Op dit moment zijn er reeds tientallen Apps ontwikkeld en uitgetest in een achttal trials die de hele voedselketen omvatten:</p> <ol style="list-style-type: none"> 1. Crop Protection Information Sharing 2. Greenhouse Management & Control 3. Fish Distribution & (Re-)Planning 4. Fresh Fruit and Vegetables QA 5. Flowers & Plants SC Chain Monitoring 6. Meat Information Provenance 7. Import & Export of Consumer Goods 8. Tailored Information for Consumers <p>De concrete resultaten zijn te vinden via http://www.fispace.eu/apps.html#crop-protection</p>

Aantal opgeleverde producten in 2014			
Wetenschappelijke artikelen	Rapporten	Artikelen in vakbladen	Inleidingen/ workshops/ invited lectures
6	27	-	24

Opgeleverde producten:

<i>Link</i>	<i>Titel</i>	<i>Jaar</i>	<i>Auteur(s)</i>
www.fispace.eu	<i>Open Call</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>FIspace Development Progress Report and V1 Updates</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Planning and progress reports</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>System and Support for V2 of the hosting environment + advanced integration of GEs</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Domain-specific test applications 1st release</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Progress report on trial experimentation and App development and updated plan for Phase 3 rollout</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Report on community building activities, knowledge transfer, education and training activities and potential for innovation</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Report on results of activities performed with associated partners – First Version</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Interim Report and Revised Plan for Dissemination</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Detailed plan to move into phase 3 – Second Version</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Dissemination materials</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Barriers and opportunities in the present regulatory situation for system development</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>FIspace Integrated Release V2</i>	2014	<i>Consortium</i>
www.fispace.eu	<i>Advanced release of the EE + more</i>	2014	<i>Consortium</i>

	<i>scenario executions</i>		
www.fispace.eu	<i>Baseline applications 2nd release</i>	2014	Consortium
www.fispace.eu	<i>Market Analysis and business models matching – Updated Version</i>	2014	Consortium
www.fispace.eu	<i>FIspace Development Progress Report and V2 Updates</i>	2014	Consortium
www.fispace.eu	<i>System and Support for V3 of the hosting environment + final integration of GEs</i>	2014	Consortium
www.fispace.eu	<i>Domain-specific test applications 2nd release</i>	2014	Consortium
www.fispace.eu	<i>Progress report on trial experimentation and App development and updated plan for Phase 3 rollout</i>	2014	Consortium
www.fispace.eu	<i>Individual Exploitation plans</i>	2014	Consortium
ga naar publicatie	<i>Virtualisation of Agri-Food Supply Chain Networks: Strategies and Future Applications</i>	2014	Verdouw, C.N.; Beulens, A.J.M.
ga naar publicatie	<i>Virtualisation of Agri-Food Supply Chain Networks: Strategies and Future Applications</i>	2014	Verdouw, C.N.; Beulens, A.J.M.; Poppe, K.J.; Robbemond, R.M.; Wolfert, J.
ga naar publicatie	<i>FIspace: Future Internet Business Collaboration Networks in Agri-Food, Transport and Logistics</i>	2014	Beulens, A.J.M.; Verdouw, C.N.; Wolfert, J.
ga naar publicatie	<i>Towards Software Mass Customization for Business Collaboration</i>	2014	Verdouw, C.N.; Beulens, A.J.M.; Wolfert, J.
ga naar publicatie	<i>Virtualisering plantenketen</i>	2014	Ossevoort, R.S.; Verdouw, C.N.

<u>ga naar publicatie</u>	<i>Virtualization of Horticultural Networks</i>	2014	Verdouw, C.N.
<u>ga naar publicatie</u>	<i>The Use of Future Internet Technologies in the Agriculture and Food Sectors: Integrating the Supply Chain</i>	2013	Kaloxyllos, A.; Wolfert, J.; Verwaart, T.; Maestre Terolc, C.; Brewster, C.; Robbemond, R.M.; Sundmaker, H.
<u>ga naar publicatie</u>	<i>ICT in de Nederlandse sierteelt: Een analyse van de huidige situatie en uitdagingen voor de virtualisering van sierteeltnetwerken</i>	2013	Verdouw, C.N.; Beulens, A.J.M.
<u>ga naar publicatie</u>	<i>Virtualisation of floricultural supply chains: A review from an Internet of Things perspective</i>	2013	Verdouw, C.N.; Beulens, A.J.M.; Vorst, J.G.A.J. van der
<u>ga naar publicatie</u>	<i>Smart Food and Agribusiness: Future Internet for Safe and Healthy Food from Farm to Fork</i>	2012	Wolfert, J.
<u>ga naar publicatie</u>	<i>Smart Food and Agribusiness: Future Internet for Safe and Healthy Food from Farm to Fork</i>	2012	Wolfert, J.
<u>ga naar publicatie</u>	<i>Identifying the ICT challenges of the Agri-Food sector to define the Architectural Requirements for a Future Internet Core Platform</i>	2012	Brewster, C.A.; Wolfert, J.; Sundmaeker, H.
<u>ga naar publicatie</u>	<i>Farm management systems and the Future Internet era</i>	2012	Kaloxyllos, A.; Eigenmann, R.; Teye, F.; Wolfert, J.

<u>ga naar publicatie</u>	<i>Future internet and the agri-food sector: State-of-the-art in literature and research</i>	2012	Lehmann, R.J.; Reiche, R.; Schiefer, G.
<u>ga naar publicatie</u>	<i>Smart-Logistics Generic Enablers and Architectural Requirements</i>	2012	Vucic, N.; Reiche, R.; Sundmaeker, H.; Verdouw, C.N.; Robbemon, R.M.; Koenderink, N.J.J.P.; Meyer, F.; Gülcü, N.; Hernandez, J.G.; Pimentel, D.Q.; Bekkum, M. van; Brewster, C.; Tröger, R.; Kläser, S.; Cassing, Y.; Lehmann, R.; Schiefer, G.
<u>ga naar publicatie</u>	<i>Smart-Logistics Specification for Experimentation</i>	2012	Verdouw, C.N.; Bekkum, M. van; Beulens, A.J.M.; Cassing, Y.; Fontseré, M.; Mansilla, E.; Montcada, E.; Sarbatés, J.; Schillings-Schmitz, A.; Sundmaeker, H.; Troeger, R.; Verhoosel, J.; Vucic, N.
<u>ga naar publicatie</u>	<i>Smart Agri-Food Logistics: Requirements for the Future Internet</i>	2012	Verdouw, C.N.; Sundmaeker, H.; Meijer, F.; Wolfert, J.; Verhoosel, J.
<u>ga naar publicatie</u>	<i>Agri-Food Living Lab: The Virtual Meeting Place for Open Innovation on Farm Information Management and ICT Development</i>	2011	Wolfert, J.; Kruize, J.W.; Verdouw, C.N.; Beulens, A.J.M.
<u>ga naar publicatie</u>	<i>Smart Food and Agribusiness: Future Internet for Safe and Healthy Food from Farm to</i>	2011	Verdouw, C.N.; Beulens, A.J.M.

<i>Fork</i>			
<u>ga naar publicatie</u>	<i>Smart Food and Agribusiness: Future Internet for Safe and Healthy Food from Farm to Fork</i>	2011	<i>Beulens, A.J.M.; Verdouw, C.N.</i>
<u>ga naar publicatie</u>	<i>Agile Information Systems for Mastering Supply Chain Uncertainty</i>	2011	<i>Verdouw, C.N.; Beulens, A.J.M.; Verwaart, T.; Wolfert, J.</i>

Disseminatie projectresultaten FISpace

Date	Type/ Description/ Title	Audience	Countries addressed	Size of Audience	Partner responsible / involved
January 2014	Info day (13 in total in various dates of January)	Scientists from the fields of Agriculture, Topography , Economics and Informatics working .	Greece	~600	OPEKEPE
23-01-2014	Floricode annual user meeting	Floricultural e industry	Netherlands	250	DLO-LEI, M&A, Floricode
30.January-02.February. 2014	AGROTICA FAIR 2014 - The 25th International Fair For Agricultural Machinery, Equipment & Supplies, Thessaloniki, Greece, 1 st February FISpace session	Agricultural sector, Industry, Science, Academia	30 countries	125,000 visitors (1000 FISpace leaflets distributed)	OPEKEPE stand in the fair
05.-07.02.2014	Fruit Logistica, International Trade Fair on Fruits & Vegetables	Industry	Germany	20	Euro Pool

Date	Type/ Description/ Title	Audience	Countries addressed	Size of Audience	Partner responsible / involved
17.- 21.02.2014	8 th International European Forum (Igls-Forum) - (139th EAAE Seminar) on System Dynamics and Innovation in Food Networks Innsbruck-Igls, Austria	Academia	International	80	CentMa, ATB, Euro Pool
24.02.2014	FI-Workshop at GIL-Jahrestagung 2014, Bonn	Academia, Science, Industry	Germany	30	Robert Reiche Euro Pool
24.- 25.02.2014	GIL Conference: „IT-Standards in Agrifood“ 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. 34. GIL-Jahrestagung, 24-25 February 2014. GIL, Bonn.	Academia, Research, Industry	Germany	~100	Tim Bartram, Huub Scholten, Daniel Martini, Esther Mietzsch
12.03.2014	Info day at SEPVE (Association of Computer Science Enterprises of Northern Greece)	Industry	Greece	~150	NKUA, OPEKEPE
18- 20.03.2014	FIA Week, Athens and workshop "FI-driven Digital Business Innovation"	Academia, Research, Industry	Europe	600	Haluk Gökmen, Adrie Beulens, Ferhad Erdoğan
2-3.04.2014	1.ECFI, Brussels	Academia, Research,	Europe	250	Ana Garcia, Haluk

Date	Type/ Description/ Title	Audience	Countries addressed	Size of Audience	Partner responsible / involved
		Industry			Gökmen, Sjaak Wolfert, Harald Sundmaeker , Heritiana Ranaivoson, Pieter Ballon
7-8. April. 2014	Koç Technology Board Annual Assembly	Industry, Academia, Research	Europe	100	Hande Koç, Haluk Gökmen, Ferhad Erdoğan, Mehmet Önat
23-25.April. 2014	Annual SRII Global Conference 2014, Silicon Valley, San Jose, CA, USA	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 FISpace platform to national project on transport and logistics (LoFIP)	Research, Industry	Germany	20	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"	Academia, Research, Industry	Global	TBD	IBM: Sarit Arcushin, Fabiana Fournier, Opher Etzion
17-18.June. 2014	Presentation of MIP Trial and FISpace in general	Research Industry	Europe	~300	DLO, WU, GS1 G
22- 25.06.2014	Research paper at 25 th European Regional Conference of the	Academia, Industry	Europe	150-200	iMinds

Date	Type/ Description/ Title	Audience	Countries addressed	Size of Audience	Partner responsible / involved
	International Telecommunication Society				
June 2014	3 rd Stakeholder Meeting FFV Trial	Industry	Germany	30	CentMa, ATB, Euro Pool
September 2014	Opportunities in Phase 3, Stakeholder Info Day, FFV Trial	Industry	Germany	100	CentMa, ATB, Euro Pool
17-18. September 2014	2. ECFI, Munich, Germany	Industry, Academia, Research,	Germany	600	ARC, iMinds, DLO, CentMa, ATB, Euro Pool, KOC, IBM, UDE, GS1 G, WP400 team
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, 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