

What is Flspace?

The Future Internet Public Private Partnership (FI-PPP) aims to advance Europe's competitiveness in Future Internet (FI) technologies and to support emerging FI-enhanced applications of public and social relevance. As a use case project in Phase 2 of the FI-PPP, Flspace is leveraging on outcomes of the Phase 1 use case projects "Finest" and "SmartAgriFood".

The aim of Flspace is to pioneer towards fundamental changes on how collaborative business networks will work in the future. Flspace will develop a multi-domain Business Collaboration Space (short: Flspace) that employs FI technologies for enabling seamless collaboration in open, cross-organizational business networks.



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

In total, Flspace will establish eight use case trial experimentation sites in Europe. This is where pilot applications for Agri-Food, Transport & Logistics are tested in early trials and also be prepared for industrial uptake (planned for FI-PPP phase 3) by engaging with players & associations from relevant industry sectors and IT industry.

What is the Use Case Trial Meat Information on Provenance about?

The use case trial „Meat Information on Provenance“ (MIP), or “MIP Trial” aims at ensuring, that consumers, regulators and meat supply chain participants have reliable information concerning the origin of meat /a meat product (birth, breeding, slaughtering, deboning, processing, packaging). In general it is about enabling consumers to obtain better information on the goods they purchase and producers to better track the flow of goods to the consumers.

Background & Vision of the MIP Trial

In Europe traceability in food supply chains is not only a compulsory requirement, but also highly necessary to guarantee food safety, food quality and consumer's trust in food. Especially the meat sector attracted ample attention in this respect as a consequence of major food safety crises such as BSE crisis leading to new and stringent regulatory requirements on transparency.

Within FI-PPP Phase 1 project SmartAgriFood a transparency system for Tracking and Tracing and consumer Awareness of Meat (TTAM) in high-throughput meat supply chains was conceptually prototyped and tested. Based on a one-step-back and one-step forward principle, every meat supply chain partner records the origin of its (intermediate) animal/meat product and the partner where it goes to. This enables tracking & tracing e. g. in case of meat alerts, but still is slow, imprecise and inefficient. The focus of the system was on consumer's information, which is enforced by the regulations. Meat supply chain partners - from farm to retailer - hardly benefit from the TTAM system.

The overall aim of the follow up in the MIP Trial is about the realization of full transparency for the whole meat supply chain. From farm to consumers, every meat supply chain partner should be able to look through the supply chain in both directions. Farmers see when carcasses/ meat of their cattle go from the slaughterhouse to a deboner, to processors, to distributors and to supermarkets. Here, consumers track the origin of their meat and how it is processed through the supply chain.

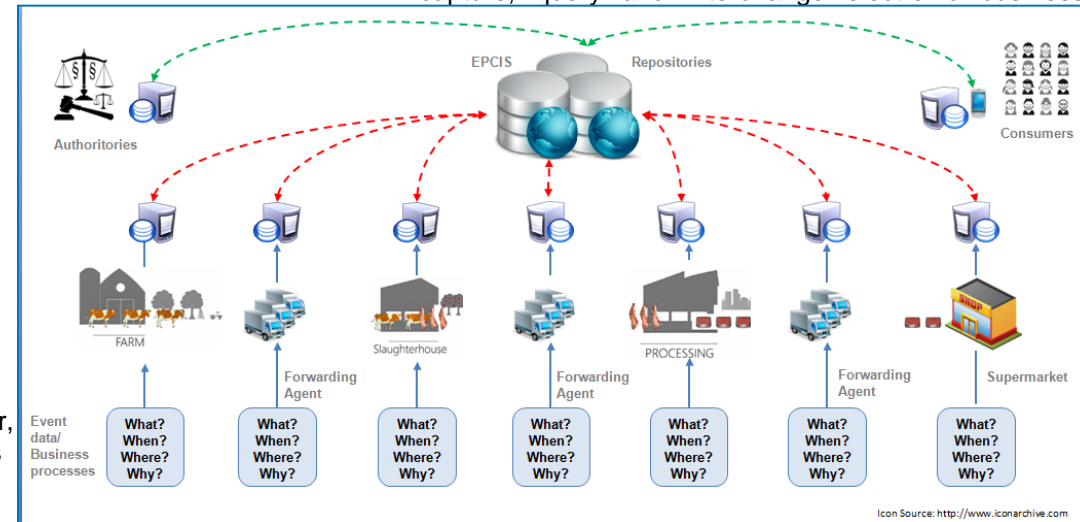
The whole meat supply chain benefits from full transparency, as it enables optimization of all partners' business processes. It makes it easier to respond to consumer's demands and also react adequately on needs of other partners.

How does it work?

The MIP Trial aims at implementing an EPCIS (Electronic Product Code Information Services) based information system. It enables bidirectional tracking & tracing that is easy to use, fast and effective - not only for consumers but for all meat supply chain partners.

The EPC clearly and uniquely describes individual business objects such as products, locations and transactions. The use of modern Auto-ID technologies (e. g. barcode or RFID) allows the capturing of data such as EPCs without manual interaction. In this way, each meat supply chain partner gets to know, which object is located when and where. To check data plausibility, he just has to put them in reference to a business context. The four elements of information (what, when, where, why) guarantee the accurate documentation and monitoring of business processes/ event data.

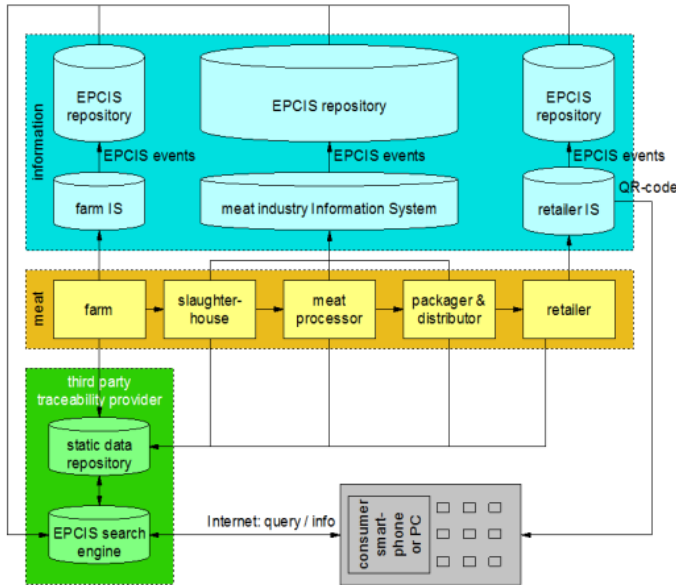
EPCIS may be used to establish an electronic directory, e. g. for supporting a cloud solution that allows to capture, query and interchange electronic business



Based on EPCIS the new meat supply chain information system should provide full transparency regarding e. g. movements of meat items by reporting of events at a designated time for all affiliated partners.

Small software packages, offered on the Flspace platform, will easily allow the upload of event data, the analysis of the stored information within the EPCIS repository and the query of business events on demand.

EPCIS Architecture in MIP Trial



More Information on MIP Trial

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Flspace Facts

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Consortium

Arcelik - TR	KTBL - DE
Aston University - GB	Kühne + Nagel - CH
ATB Bremen – DE	Kverneland - NL
ATOS - ES	LimeTri - NL
CentMa – DE	Marintek - NO
DLO - NL	Mieloo & Alexander - NL
ENoLL - BE	NKUA – GR
EuroPoolSystem - DE	North Sea Container Line – NO
FloriCode - NL	OPEKEPE – GR
GS1 Germany – DE	Plus Fresc – ES
IBM - IL	The Open Group – GB
iMinds - BE	University Duisburg Essen – DE
Innovators - GR	University Politecnica Madrid – ES
KocSistem - TR	Wageningen University - NL

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More Information

www.Flspace.eu



Future Internet Business Collaboration
Networks in Agri-Food, Transport & Logistics

Meat Information on Provenance



Use Case Trial related to theme:

Smart Distribution and Consumption



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