



# FInest – Future Internet enabled optimisation of transport and logistics networks



D9.1

## FI PPP Alignment Plan

Project Acronym	FInest	
Project Title	Future Internet enabled optimisation of transport and logistics networks	
Project Number	285598	
Workpackage	WP9 <FI PPP Alignment>	
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Dissemination Level:	PU	
Contractual Delivery Date:	30-06-2011	
Actual Delivery Date	30-06-2011	
Version	1.0	



## Abstract

*This deliverable provides the initial plan for aligning the Finest project with the activities of the overall FI PPP program along with a report on the relevant activities undertaken within the first three months of the project providing the first report on Task T9.1 – T9.4 of the DoW.*

*As a Use Case Project on Transport and Logistics, Finest is one of the eleven projects that constitute Phase 1 of the Future Internet PPP. In order to warrant the overall success of the FI PPP and, as a consequence, of the Finest project as a part of it, it is necessary to properly align R&D activities among the projects and foster information exchange and constructive collaboration. Alignment and collaboration will facilitate the achievement of both the program-level objectives of the FI PPP as well as the specific objectives of the Finest project.*

*In full awareness of this, and with the goal of pro-actively contributing to the success of the program, the Finest project includes a dedicated work package (WP9) that manages all activities concerned with the alignment of the project with the FI PPP.*

*A major part of these activities relate to the 'FI PPP Governance Model' that defines the bodies and structures for program-wide collaboration and coordination and is facilitated by the CONCORD Support Action. The program governance model encompasses the Advisory Board that shall provide advice for the future directions of the FI PPP, the Steering Board as the central body for program-level directions and activities, the Architecture Board that is mainly concerned with defining the technical architecture and Generic Enablers in a collaborative manner between FI-WARE and the Use Case Projects, and a set of Working Groups that shall address specific topics of the FI PPP on a program-wide level.*

*In addition to participating in these governance activities, the Finest project will conduct the following alignment activities: (1) close interaction with the INFINITY Support Action in order to determine suitable Future Internet experimentation environments for conducting large-scale trials that are planned for the follow-up project in phase 2 of the FI PPP, and (2) direct collaboration with other Use Case Projects that address Future Internet application domains related to Transport and Logistics in order to identify commonalities and cooperate towards complementary R&D. Moreover, the fact that several partners of the Finest consortium are also involved in other FI PPP projects will allow for a close and direct collaboration between projects. Most notably, three of the ICT partners (IBM, SAP, UDE) are also involved in the FI-WARE project, which allows for a closer and more direct interaction and alignment for the technology design and development.*

*In the first three months of the project, the Finest consortium has elaborated a detailed plan for realizing the planned alignment with the FI PPP program, nominated the project representatives for the global coordination activities as well as for the additional alignment activities, and has participated and pro-actively contributed to various meetings (both physical and virtual), which have taken place since the project start.*

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## 1. Introduction

Finest is one of the eleven projects that constitute Phase 1 of the Future Internet PPP, representing the Use Case Project on Transport and Logistics. In full awareness of the necessity for program-wide collaboration to ensure the overall success of the FI PPP and therewith allow for achieving the project objectives, WP9 in Finest is explicitly dedicated to manage all activities concerned with the alignment of the project with the FI PPP in a centralized manner.

As a new structure of EC funded R&D with the aim of achieving higher impact, the Future Internet PPP shall be executed in form of a program where the participating projects collaborate in a globally coordinated manner. This shall warrant the overall success of the FI PPP with respect to both the program-level objectives as well as the specific objectives of the participating projects by fostering information exchange and constructive collaboration. The Finest project is fully committed to this, and aims at going beyond the obligatory participation in the global coordination activities of the FI PPP in order to leverage on potential synergies and foster collaborative R&D.

As the first Deliverable of WP9, this report presents the overall plan for the contribution of the Finest project to the program-level activities of the FI PPP as well as additional alignment activities, along with an initial report on this for the first 3 months of the project. It provides the first report on Tasks T9.1 – T9.4 as defined by the DoW. For this, the document explains in particular:

- How the Finest project contributes to the bodies and structures for the program-wide collaboration and coordination that are defined under the ‘FI PPP Governance Model’ and are facilitated by the CONCORD Support Action, and
- The following additional alignment activities: (1) the close interaction with the INFINITY Support Action for determining suitable Future Internet experimentation environments for conducting large-scale trials that are planned for the follow-up project in phase 2 of the FI PPP, and (2) the direct collaboration with other Use Case Projects that address Future Internet application domains related to Transport and Logistics in order to identify commonalities and cooperate towards complementary R&D.

The report is organized as follows: Section 2 presents the initial version of the overall plan for aligning the Finest project with the FI PPP, Section 3 provides the report on the alignment activities that have been undertaken in the first three months of the Finest project, and Section 4 concludes the deliverable with an outlook to the alignment activities planned for the next reporting period.

## 2. Initial Plan for FI PPP Alignment

This section presents the initial version of the overall plan for aligning the Finest project with the FI PPP. This consists of two parts: the first one encompasses the participation in, and contributions to, the global coordination activities that are defined in the FI PPP Governance Model, and the second part contains the alignment activities that are planned by the Finest project that go beyond the obligatory activities. As the initial plan, the following explains the individual alignment activities, defines the representatives (resp. responsible people) of the Finest consortium, and outlines the planned contributions and actions. Also explicitly stated is the assignment of each activity to the tasks of WP9 as defined in the DoW.

## 2.1. FI PPP Global Coordination Activities

The global coordination activities are a set of bodies and working groups that are concerned with coordinating the interactions between the projects participating in the FI PPP and the conjoint work towards the program-level objectives. The general structure and responsibilities are defined in Article 3 of the ‘FI PPP Collaboration Agreement’ (still under construction; a final version for signature by all FI PPP participants has been sent out at the time of writing), while the detailed mandates and composition of the individual bodies and working groups is elaborated by the FI PPP members under the facilitation of the CONCORD Support Action (ongoing at the time of writing).

Figure 1 (provided by CONCORD) shows the overall structure of the FI PPP Governance Model. The main bodies are the Advisory Board that shall provide advice for the future directions of the FIPPP, the Steering Board as the central body for program-level directions and activities, and the Architecture Board that is mainly concerned with defining the technical architecture and Generic Enablers in a collaborative manner between FI-WARE and the Use Case Projects; in addition, a set of Working Groups shall address specific topics of the FI PPP on a program-wide level. In general, every project participating in the FI PPP is obliged to contribute to these activities.

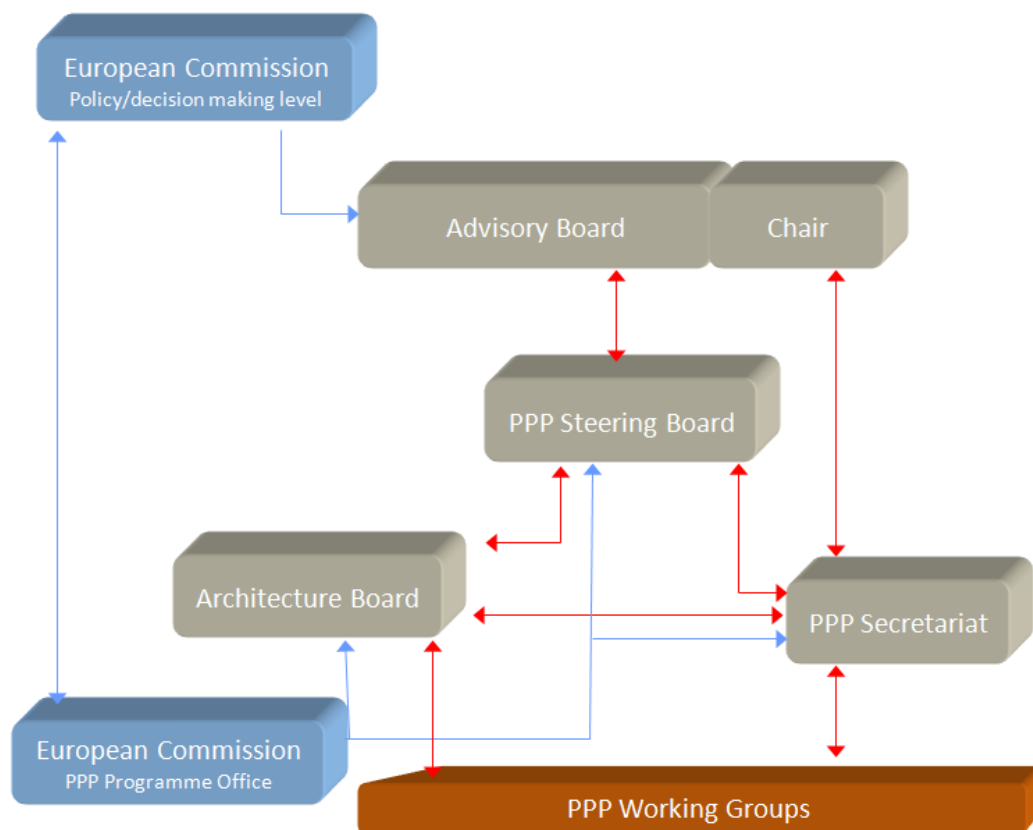


Figure 1: FI PPP Governance Model<sup>1</sup>

<sup>1</sup> Taken from ‘FI PPP Working Groups’ document provided by CONCORD, May 15, 2011.

The following provides an overview of the aim of each activity and the involvement of the Finest project. Executive summaries are provided here that are sufficient for the description of alignment of the Finest project with the program governance activities. Those looking for more detailed information may refer to the 'FI PPP Collaboration Agreement' for the basic mandates and to CONCORD for the detailed information on the detailed mandates and board composition; this information will also be available in the FI PPP Portal (see: [www.fi-ppp.eu](http://www.fi-ppp.eu)).

### 2.1.1. Steering Board

*This relates to Task T9.2 of the Finest DoW.*

**About:** the FI PPP Steering Board (SB) is the central body concerned with the overall structure, set-up, and progress monitoring of the FI PPP as well as the communication with the EC and external stakeholders on program-level aspects. It is composed of the coordinators of each participating project and a second representative, who are considered as the 'owners' of the FI PPP. The major activities are the definition of the program-level objectives of the FI PPP, the deriving and approval of mechanisms and procedures for the program-wide alignment and synchronization, and the overall progress monitoring.

The SB acts on behalf of the FI PPP owners by consensus-based decision making. However, due to the legal and contractual set up where each project has an individual contract with the EC, the SB cannot make any executive decision that impact the GA of an FI PPP project; the same applies to all other global coordination activities that are facilitated by CONCORD.

#### **Finest Representatives:**

- Dr. J. Rod Franklin (KN), Project Coordinator
- Dr. Michael Stollberg (SAP), FI PPP Alignment Coordinator

**Finest Contributions:** the Finest representatives regularly participate in the SB meetings (both in the 'physical' face-to-face meetings as well as in 'virtual' ones conducted in form of conference calls), and proactively contribute to the SB activities as outlined above (program-level objectives, coordination procedures, etc.). Apart from contributing to the program-level success of the FI PPP, the representatives elected by the Finest consortium (s.a.) represent the particular interests of end-users of the Future Internet (esp. from the transport and logistics domain) as well as of industrial and academic technology providers from the ICT domain.

### 2.1.2. Architecture Board

*This relates to Tasks T9.1 and T9.2 of the Finest DoW.*

**About:** the FI PPP Architecture Board (AB) is the principal body for alignment among the FI PPP projects regarding technologies and the FI PPP technical architecture. It is composed of the 'technical managers' of each FI PPP project, chaired by FI-WARE. The main activity of the AB is the identification and definition of the 'Generic Enablers' that shall be developed by FI-WARE with respect to the technical requirements identified by the Use Case Projects. For this, the AB defines the collaboration mechanisms and procedures (e.g. templates for requirements and features requests by UCs, etc.), and decides on the Generic Enablers to be provided by FI-WARE and how to provide them, on the basis of consensus-based decision making.

#### **Finest Representatives:**

- Dr. Andreas Metzger (UDE), Technical Coordinator
- Dr. Michael Stollberg (SAP), FI PPP Alignment Coordinator (deputy)

**Finest Contributions:** the Finest representatives regularly participate in both the physical and the virtual meetings of the Architecture Board, and proactively contribute to the definition of coordination procedures for the FI PPP Technical Architecture and Generic Enablers (in the early phase, this is mainly concerned with the mechanisms, templates, and procedures for requirements and feature request by the use cases; in the latter phases, this will cover the definition and feedback on Generic Enablers provided by FI-WARE).

The work of the Architecture Board is extremely important for the Finest project, as the expected results (i.e. consensus on which GEs will be developed by FI-WARE along with the request and feedback mechanisms for this) will directly affect the design and the implementation planning of the Finest platform and its components. As a result, the Finest team will provide technical requirements from the Finest project as early as possible, and ensure that the requests are properly understood by the FI PPP partners. The fact that the Finest representatives elected by the consortium are – via their organizations – directly involved in FI-WARE and are well connected within the FI PPP with close personal connections (e.g., established through previous collaborations) shall assist in the success of this action. Furthermore, the planned collaboration with other Use Cases (see below, Section 2.2.2) shall ensure a broader support for technical requirements for enhancing transport and logistics ICT solutions with Future Internet technologies.

### 2.1.3. Working Groups

*This relates to Tasks T9.2 and T9.4 of the Finest DoW.*

The FI PPP working groups are intended to jointly work on specific topics in the form of cross-project activities, either towards achieving FI PPP program-level objectives or on issues that are of common interest to several projects. Each working group is assigned with a specific objective that is agreed on by the FI PPP owners in the Steering Board, and the individual projects finally decide if and to what extent to participate in the working group.

At the time of writing, one such working group has been established (the FI PPP Dissemination Working Group, see below). Further working groups have already been proposed on topics like market analysis, standardization, etc.; however, their concrete mandate, composition, and tasks will first have to be discussed and approved by the FI PPP Steering Board before they will be launched.

#### 2.1.3.1. FI PPP Dissemination WG

**About:** this working group is dedicated to disseminate the FI PPP as a whole with respect to the program-level objectives. It is composed of members from the participating projects, mostly the dissemination leads or coordinators of the projects. It shall prepare dissemination material for this (e.g. a ‘standard slide set’ for the FI PPP), and identify relevant events for disseminating the FI PPP as well as the individual projects.

**Finest Representatives:** Haluk Gökmen (ARC), WP 10 Lead

**Finest Contributions:** the elected Finest representative participates in the regular meetings (mostly held in form of conference calls), he contributes to the preparation of program-level dissemination material and provides dissemination material on the Finest project for reuse and integration in to the program-wide dissemination material, and he presents the FI PPP and / or the Finest project in elected events. Moreover, the information on possible dissemination events shall be used for defining the Finest dissemination strategy (see WP10 reports).



## 2.2. Bi-lateral Alignment Activities

As outlined in the introduction, the second part of the plan for aligning the Finest project with the FI PPP encompasses activities that go beyond the global coordination activities discussed above. The initial version of the alignment plan encompasses two additional activities, namely (1) the close interaction with the INFINITY Support Action for identifying potential Future Internet experimentation environments for transport and logistics, and (2) the bi-, respectively multi-lateral, collaboration with other FI PPP Use Case projects that address related applications domains. The following explains these activities in more detail, along with the responsible member from the Finest project and the planned actions.

In addition to this, an essential fact for the alignment of the Finest with the FI PPP is that three of the principal ICT partners are also involved in the FI-WARE project, namely IBM, SAP, and UDE. This allows the Finest project to have direct contact and first-hand insights into various technology development activities in FI-WARE that are essential for the technology design and development in Finest, e.g. the Application and Service Delivery Framework (FI-WARE WP3), the Cloud Infrastructure (FI-WARE WP 4), the Data / Context Management (FI-WARE WP6), or the Security and Privacy techniques (FI-WARE WP8). This significantly strengthens Finest's position for the alignment and collaboration with FI-WARE (cf. *Task T9.1 of the Finest DoW*); however, these relationships are not considered here as explicit alignment activities because the relevant information exchange will be conducted in the course of the operational execution of the Finest project tasks by the respective consortium partners.

### 2.2.1. Identification of Experimentation Environments (INFINITY)

*This relates to Task T9.2 of the Finest DoW.*

**Finest Responsible:** Guy Sharon (IBM), WP 4 Lead

**Aim:** As the support action for 'capacity building and infrastructure building', the INFINITY project aims at inspecting and analyzing existing European experimentation sites and will provide a repository on this, therewith providing a service to the FI PPP projects for identifying possible usable environments for conducting large-scale experimentations and trials which are planned for phase 2 of the FI PPP. This directly corresponds to WP4 of the Finest project, which is concerned with the design of a Future Internet experimentation environment for transport and logistics where experiments and trials can be conducted in the follow-up project. In consequence, we plan to exploit the services provided by INFINITY for identifying potential candidate environments, and, in turn, contribute to the design of the services that shall be developed in and provided by the INFINITY project.

**How:** As outlined above, the Finest project plans to utilize and exploit the INFINITY services in order to identify potential Future Internet experimentation environments for conducting large-scale trials that are planned for the follow-up project of Finest in phase 2 of the FI PPP. For this, the project will not only utilize the provided repository service, but pro-actively communicate the specific requirements on suitable experimentation environments for transport and logistics for testing and evaluating the technology developed in the Finest project to the INFINITY project, therewith allowing the colleagues to refine and adopt the inspection and analysis criteria towards the specific requirements that arise from transport and logistics as an application domain of the Future Internet. To achieve this, the Finest project will closely interact with the INFINITY project, participate in respective collaboration events, and pro-actively communicate and share the requirements and design studies from Finest WP4 with the FI PPP community.

## 2.2.2. Collaboration with Related Use Case Projects

*This relates to Task T9.3 of the Finest DoW.*

### **Finest Responsible:**

- Dr. J. Rod Franklin (KN), Project Coordinator
- Dr. Michael Stollberg (SAP), FI PPP Alignment Coordinator
- Dr. Andreas Metzger (UDE), Technical Coordinator

**Aim:** The eight Use Case projects participating in Phase 1 of the FI PPP address different application domains, out of which some have commonalities with respect to the Future Internet technologies for enabling next generation domain-specific solutions. The clear identification of these commonalities, as well as domain-specific differences, appears to be beneficial for various purposes, such as the alignment of technical requirements on Generic Enablers as well as the design and development of complementary solutions and domain-specific capabilities (e.g., facilities for real-world data integration into Future Internet systems that can be used for both intelligent traffic management as well as long distance transport monitoring). Hence, the aim of this alignment activity is to identify use case projects that also address transport and logistics or related application domains, and set up a close bi-lateral, respectively multi-lateral, collaboration activities in order to leverage on alignment and synergies towards complementary R&D efforts.

**How:** The first step for realizing this alignment activity is to identify complementary use case projects, which can be achieved by inspecting the project descriptions as well as by personal communication, for instance during FI PPP meetings (such as the Architecture Board) or the Future Internet Assembly. Secondly, the synergies, overlaps, and complementarity between the projects needs to be identified, followed by agreement on the willingness for bi- / multi-lateral collaboration and alignment of the involved projects. Finally, the concrete means and mechanisms for collaboration need to be defined and agreed to, for example, the conduct of regular information exchange or collaboration workshops in order to exchange information on the use cases, the technical requirements on Generic Enablers, or the development of joint or complementary use cases, technologies, or domain-specific capabilities.

## 3. Initial Report on FI PPP Alignment Activities

This section reports on the specific actions that have been taken for aligning the Finest project with the FI PPP during the first three months of the project. The report refers to the initial version of the FI PPP Alignment Plan as defined above in Section 2. This section focuses on reporting the major activities while neglecting details such as dates and times of conference calls, which are internally tracked in the Finest calendar.

### 3.1. On FI PPP Global Coordination Activities

The following reports on the actions undertaken in the context of the FI PPP global coordination activities in accordance to the alignment plan as defined above in Section 2.1.

### 3.1.1. FI PPP Steering Board

The participation and contributions of the Finest project to the FI PPP Steering Board (SB) have been initiated in accordance to the plan as defined above. The main achievements on this in M1 – M3 of the project are:

- Nomination of Finest representatives
  - Dr. J. Rod Franklin (KN, Project Coordinator) and Dr. Michael Stollberg (SAP, FI PPP Alignment Coordinator)
  - Approved by Finest PMB, 17<sup>th</sup> May 2011
- Definition of project-specific interests and aims to be represented
  - Incl.: overall commitment, interests of FI end-users (esp. from the transport and logistics domain) as well as of industrial and academic ICT providers, budget & resource constraints, etc.
  - Approved by Finest PMB, 17<sup>th</sup> May 2011
- Participation in SB Meeting (both physical and virtual)
  - Participation in physical meetings: details are provided in Table 1, incl. already conducted meetings as well as the schedule for 2011 (tentative)
  - Participation in the regular SB conference calls, which are scheduled monthly (usually 3<sup>rd</sup> Thursday of each month)

**Table 1: FI PPP Steering Board F2F Meeting Calendar 2011**

No.	Venue	Date	Finest Participant
1	Budapest	May 19 <sup>th</sup> , 2011	Stollberg
<b>SCHEDULE (tentative)</b>			
2	Brussels	September 15 <sup>th</sup> , 2011	Franklin
3	Poznan	October 25 <sup>th</sup> , 2011	Stollberg

### 3.1.2. FI PPP Architecture Board

The participation and contributions of the Finest project to the FI PPP Architecture Board (AB) have been initiated in accordance to the plan as defined above. The main achievements on this in M1 – M3 of the project are:

- Nomination of Finest representatives
  - Dr. Andreas Metzger (UDE, Technical Coordinator) and Dr. Michael Stollberg (SAP, FI PPP Alignment Coordinator) as the deputy representative
  - Approved by Finest PMB, 17<sup>th</sup> May 2011
- Definition of project-specific aims to be represented
  - Incl.: mechanisms and procedures for defining UC-requirements on Generic Enablers, identification of common requirements with & among other use cases, requests for information on FI-WARE (technical architecture, etc.)
  - Approved by Finest PMB, 17<sup>th</sup> May 2011

- Pro-active involvement in initial AB activities, esp.:
  - Definition of mechanisms & procedures for defining UC-requirements on Generic Enablers
  - Definition of common terminology
- Participation in AB Meeting (both physical and virtual)
  - Participation in physical meetings: details are provided in Table 2, incl. already conducted meetings as well as the schedule for 2011 (tentative)
  - Participation in the regular SB conference calls, which are scheduled monthly (usually 3<sup>rd</sup> Thursday of each month)

**Table 2: FI PPP Architecture Board F2F Meeting Calendar 2011**

No.	Venue	Date	Finest Participant
1	Budapest	May 19 <sup>th</sup> , 2011	Metzger, Stollberg
<b>SCHEDULE (tentative)</b>			
3	Madrid	July 11 – 12, 2011	Metzger
3	Madrid	September, 2011	Metzger
4	Poznan	October 25 <sup>th</sup> , 2011	Metzger, Stollberg
5	Vienna	November 9 <sup>th</sup> , 2011	Metzger

### 3.1.3. FI PPP Dissemination Working Group

The participation and contributions of the Finest project to the FI PPP Working Groups have initiated in accordance to the plan as defined above.

For the Dissemination Working Group (see Section 2.1.3.1), the main achievements on this in M1 – M3 of the project are:

- Nomination of Finest representative: Haluk Gökmen (ARC, WP10 Lead); approved by Finest PMB, 17<sup>th</sup> May 2011
- Initiation & Kick-off:
  - Official approval by FI PPP SB in Budapest Meeting, May 19<sup>th</sup>, 2011
  - Participation in first F2F meeting in Budapest, May 19<sup>th</sup>, 2011
    - Finest participant: Haluk Gökmen
- Definition of Finest contributions
  - Preparation of program-level dissemination material, esp. by providing dissemination material on the Finest project for reuse and integration
  - Presentation of the FI PPP and / or the Finest project in selected events
  - Uptake of information on dissemination events for the Finest dissemination strategy (see WP10 reports).

### 3.1.4. Other Activities on FI PPP Coordination

In addition to initiating the active participation within the obligatory global coordination activities, the Finest project has been involved in various other activities and issues related to initiating the collaboration within the FI PPP. The main achievements here during M1 – M3 of the project are:

- Active involvement in finalization of FI PPP Collaboration Agreement
  - Involvement in ‘Legal Task force’ for preparation of the agreement (IBM, SAP)
  - All Finest partners involved in negotiations that led to the completion of the final draft in June 2011
- Proposals for FI PPP Advisory Board members:
  - Klaus-Dieter Platte (independent Brussels-based consultant with close contacts to the EC and early involvement in the FI PPP, proposed by SAP)
- CONCORD Liaison Partners:
  - Contact persons: Dr. Jani Kaarlejärvi (primary) and Susanna Avessta
  - contact established & collaboration procedures agree

## 3.2. On bi-lateral Alignment Activities

The following section reports on the actions undertaken in M1 – M3 concerning bi-lateral alignment activities that go beyond obligatory FI PPP global coordination actions, in accordance to the alignment plan as defined above in Section 2.2.

### 3.2.1. Alignment with INFINITY

The aim of this bi-lateral collaboration is the uptake of the services provided by the INFINITY Support Action for identifying and analyzing possible Future Internet experimentation environments for Transport and Logistics (cf. Finest WP4), and, in turn, provide detailed requirements and demands on suitable experimentation environments in order to assist the INFINITY project in providing useful evaluation and analysis services to the FI PPP projects. This shall be beneficial for both the Finest and the INFINITY projects, as well as to other FI PPP projects. The main achievements on this in M1 – M3 of the Finest project are:

- Identification of overlap between INFINITY project and Finest WP4: analysis of existing experimentation sites with respect to suitability for conducting large scale trials that are planned for the follow-up project of Finest in phase 2 of the FI PPP
  - Already in course of the FI PPP Negotiation Workshop, March 2011, Brussels
  - Resulted in minor revision of Finest DoW (collaboration on this topic in Finest WP4 / WP9)
- Finest responsible defined: Guy Sharon (IBM, WP4 Lead), approved by Finest PMB, 17<sup>th</sup> May 2011
- Collaboration established & ongoing (information exchange, collaboration workshops, invitation of Finest responsible to the ‘INFINITY Concertation Board’).

### 3.2.2. Alignment with other FI PPP Use Case Projects

This activity is concerned with the alignment and direct collaboration with other FI PPP Use Case projects that address Future Internet application domains related to Transport and Logistics, with the aim of identifying commonalities on required Generic Enablers and use case scenarios, therewith collaborating towards complementary R&D efforts. The main achievements on this in M1 – M3 of the Finest project are:

- Identification of the following FI PPP Use Case Projects as primary candidates for complementary R&D:
  - The ‘Instant Mobility’ project:
    - Addresses regional / urban transport and person mobility as an application domain closely related to international transport and logistics.
    - Specifically for what concerns their use case “trucks in the city”, collaboration promises synergies. This means parts of the envisioned FI-enabled solutions appear to be mutually beneficial, i.e. ‘intelligent traffic & transport management’ solutions from Instant Mobility can be employed for optimizing the ‘last mile’ of international freight transport; vice versa, the Finest techniques for collaboration management and event-driven transport monitoring can be employed in solutions for regional / urban transport and mobility management.
    - In consequence, a bi-lateral complementarity agreement has been initiated.
  - The ‘SmartArgiFood’ project:
    - Addresses the whole supply chain for safe food production and delivery (slogan: “from farm to fork”), incl. fresh food transport in Europe as one of the central use case scenarios.
    - Hence, there are close commonalities on the required technologies and the Generic Enablers for this; while the Finest project primarily address the whole domain of international freight transport, the SmartArgiFood project exposes specific requirements for fresh food transport as well as the integration within the supply chains of food production, which promises synergies with the “Fish Transport” use case in Finest.
    - In consequence, the complementarity of the projects has been mutually agreed.
- Following the identification of the complementarity and the mutual agreement for bi-lateral collaboration (resp. multi-lateral), Finest has commenced with the initial establishment of collaboration among the projects by information exchange on project aims and scope, use cases, requirements towards FI-WARE, etc.
- This shall be continued in bi-lateral / multi-lateral collaboration by the following means:
  - Exchange on project objectives, use cases, business opportunities, etc.
  - Joint definition of requirements of Generic Enablers
  - Organization of bi-lateral / multi-lateral collaboration meetings and/or workshops.

The Finest team also plans to continue bi-lateral communication with other use case projects (FI PPP Phase 1 Use Case projects as well as other consortia) for identifying further possibilities for collaboration and complementary R&D towards the Future Internet and Transport and Logistics.

## 4. Conclusions and Outlook

This report has presented the initial version of the plan for aligning the Finest project with the FI PPP. The aim is to contribute to the overall success of the FI PPP by participating and pro-actively contributing to the global coordination activities that are facilitated by the CONCORD Support Action, and, in addition to this, align with and directly collaborate with other projects in order to foster complementary R&D throughout the FI PPP program.

The Finest project is fully committed to the FI PPP program, and supports the global collaboration mechanisms and contributes to achieving the program-level objectives. For this, the project has presented the initial version of its overall plan that encompasses all relevant alignment activities. The initial report on specific actions undertaken in M1 – M3 of the Finest project indicate that the alignment has been initiated in accordance to the alignment plan and in time with respect to the project and program work plan.

With this, the presented alignment plan and the initial report cover the tasks defined in the Finest DoW as follows:

- T9.1 “Alignment with FI PPP Core Platform Project”
  - Via membership in FI PPP Architecture Board
  - The Mechanisms for defining requirements towards FI-WARE will be established in the respective Finest work packages (WP3, WP5 – WP8)
- T9.2 “Contributions to FI PPP Support Actions”
  - Via membership in FI PPP Steering Board, FI PPP Architecture Board, and FI PPP Working Groups (currently: Dissemination Working Group)
  - Bi-lateral collaboration with the INFINITY Support action
- T9.3 “FI PPP Use Case Alignment”
  - Via bi-lateral agreements and plans for direct collaboration with related FI PPP Use Cases (esp. with the projects ‘Instant Mobility’ and ‘SmartAgriFood’)
  - Continued investigation of other projects for complementary R&D
- T9.4 “Participation in other FI PPP Activities”
  - Via FI PPP Working Groups
  - In collaboration workshops, co-joint events, etc. (planned)

For the next period, the Finest team plans to continue the alignment activities as defined here (esp. the pro-active membership in the global coordination activities within the FI PPP Governance Model, and the already defined bi-lateral collaboration activities), and will continuously investigate further possibilities for fostering collaboration and complementary R&D efforts towards the Future Internet and next generation solutions for the international transport and logistics domain (e.g., by new FI PPP working groups, bi-lateral collaboration with other use case projects within the FI PPP and beyond).