



Business from technology

Position paper VTT Mobility

SECOND USAGE AREA WORKSHOP

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1. What use case and scenario in your area would you consider the most appropriate and representative one for large-scale experimentation with the Future Internet platform to be built starting from 2013?

- Person or asset on-the-move will have easy access to all significant information thus enabling personalised multimodal mobility. The information sources that are needed at any given time depend on context such as familiarity of environment and destination, work/free time, modality (walking, by car/bus/train/bike/plane, ...). Information will be collected from various sources like timetables, real-time traffic information and exceptions, weather and forecast, parking guidance, car and bike pools, border control, social media, point of interests (recharging access point, service shop, restaurants, ...) , etc.



2. What innovative Internet functionality and technologies would you consider important for your suggested use case and scenario (e.g. context awareness, sensor networks, advanced real time processing capabilities handling huge volume of data, ad hoc service composition and mash-up, managed broadband connectivity and services, embedded media support for interfaces easing the interpretation of processed contextual data, etc.)?

- The most important:
 - advanced real time processing capabilities handling huge volume of data
 - ad hoc service composition and mash-up
 - context awareness (location, means of transport, ...)
 - sensor networks and crowd-sourcing
 - device interoperability



3. Which of the identified functionalities would you expect the Future Internet core technology platform to deliver to support your and other usage area scenarios?

- sensor networks and crowd-sourcing
- ad hoc service composition and mash-up
- location information



4. What kind of experimentation environment would you consider necessary for broad large scale testing of the platform to be developed in your use area? What would be needed to experiment new services and applications cutting across use areas (services and application mash-up) and building a new services and application ecosystem around the prototype implementations of the platform?

- **An Open Ecosystem for Personal Data and Services:** Devices and services neutrality as a common enabling infrastructure for an “Internet of mobility related Services” from an end-user perspective.

What would be needed:

- Concensus of ecosystem business model(s) and IPR principles
- Opening of public data sources as starting material for PPP service development
- Development of domain ontologies to achieve semantic interoperability between services and to enable their automatic mashupping
- Support for service provider community (general terms, payments management, service promotion,...)



5. How do you see the potential role of your organisation in the FI-PPP, in the context of Usage areas taking a prominent role in the Initiative, to ensure an appropriate application driven approach?

- As a research institute, VTT's role in PPP is to work in cooperation with industry, other research institutes, universities and the authorities. VTT's main tasks are research and development, and the transfer and testing of technologies.
- VTT can bring into initiative multitechnological expertise from large portfolio including user needs and requirements, test bed pilot operation, business model development – building ecosystem with different value chains, technical and user experience evaluation, impact analysis.



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