

My name is Sjors Provoost and I work for the Rotterdam-Rijnmond Police Department as an Innovation Broker. My focus is on Web 2.0 and my job is to connect people working on projects related to that topic within and outside our organization.

I believe that the PPP Future Internet program could be very relevant to police work in The Netherlands. In particular the topic of smart cities, sensor and camera networks, but also citizen participation and emergency alert systems.

I would like to attend on the 21<sup>st</sup> and 22<sup>nd</sup> together with my colleague Elle de Jonge (Groningen Police Department, see below), to look for and discuss possibilities.

I learned about the Future Internet PPP only very recently, so my answers here are incomplete. I will learn more in the coming weeks.

**(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?**

My colleague Elle de Jonge of the Groningen Police Department is working on a project that uses technology to detect behavior that is abnormal (in particular: against the law) and dispatch that information to the nearest officer or trusted partner. Information comes from sensor networks, citizens, police colleagues, public data sources online and other places. Goal is to solve more crime and solve it as early as possible, while it happens. Information does not have to go through a central dispatcher, but goes directly to the officer, saving time in the progress. Pilot projects will run in 2011 in Groningen, Rotterdam, Brabant and other places. There is also the option of collaborating with the Estonian Police.

This – slightly exaggerated – Youtube clip about the Police Officer of the Future forms the inspiration of this project:

<http://www.youtube.com/watch?v=4OEeZbHxBak> (English version)

<http://www.youtube.com/watch?v=Oy-BBCWuLE> (Dutch version)

**(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.)?**

Probably everything in that list, but more specifically:

Physical sensors: License plate recognition, facial recognition, video, panic / aggression detection, audio, chemical sensors, etc

Community Sensors: online communities, Twitter, Hyves, Facebook, Marktplaats / Ebay

Open Data Sources (online)

Citizen participation: seeclickfix.com, Ushahidi, (Crime) Maps

We also need mission critical systems that are 100% reliable and always on.

**(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?**

Flexible; we plan to extract information from multiple sources, so the Platform could provide one source or more. A standard, secure and authenticated method of sharing video would be one example. At the moment there are a lot of camera's and everyone has their own system.

- (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?**

Not sure at this point.

We have a need for systems that provide the right officer the right information at the right moment, in a usable format and preferably also accompanied by smart & useful advice. E.g. "*We have detected a chemical cloud coming your way. Recommend you evacuate the area. Contact X and Y, here are there numbers.*".

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

Not sure at this point, but we are on the demand side.

At the very least we should be aware of which parts of the platform are relevant for law enforcement work. My personal believe is that the best way to do that, is to be involved and actually use it. However there are a lot of technical, organizational and political factors that need to be taken into account.