User-Driven Distributed Pervasive Sensing

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Abstract — this is a short description for Dig-it! Xperience, happening in Delft, The Netherlands, November the 11th, 2014. This description is rather high level, please come to the exhibition to know the details.

Description

Pervasive sensing is the ubiquitous possibility to sense the environment in an easy and reliable way by using cheap and widely available devices, e.g., smart phones measuring the pollution level. Distributed is the way the information coming from the different devices is processed locally obtaining a global picture without a centralized entity, e.g., the map of the pollution levels in the Netherlands obtained only using the smart phones. User-driven is the innovative concept.

How to make sure that the user have the information they need without let them wait for long times?

For instance, how to make sure that the users can choose fast and reliably where to bike without running the risk to be polluted?
Some useful readings:

References


