Geophysical Research Abstracts
Vol. 14, EGU2012-13158, 2012
EGU General Assembly 2012

Mobile VGI applications for the Future Internet

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In Q4 2011, the AIT started a development of the generic mobile VGI application. The long-term goal of this development is to produce a "cameleon" application which can be easily configured to serve in a large number of very different VGI application scenarios. The configurable options shall include: (1) the observation data model; (2) source(s) of observations; (2) application logic;(3) application workflow; (4) pre- and post- processing of the observations; and (5) quality assurance procedures.

The main scenarios to be covered by this application range from identification of plants and animals, over provision of observations on atmospheric conditions to educational "treasure hunt" type of applications where users are instructed by the application to perform certain actions.

Morover, the application shall be easily adaptable to various screen sizes (phones, tablets), portable to various operating systems, and capable of providing a large part of the functionality even in the case of slow network and complete network rupture.

In this talk, we shall persent the main requirenments and usage scenarios envisaged in ENVIROFI, report on the concrete design decisions resulting from these requirenments, demonstrate the current capabilities of the application prototype, and discuss the further development roadmap with the EGU participants.