Enduring GeoKnowledge

Concept for a workshop at the Digital Landscape Architecture DLA Conference 2013

Invited contribution by

Manfred MITTLBÖCK and Thomas HEISTRACHER

Constituting a novel approach, "geoKnowledge design" principles, concepts and methods aim at leveraging service-oriented geo-technologies and tools for creating and sharing 'live' (environmental) monitoring data and information pools as formalized knowledge pieces tailored to end users' needs.

"geoKnowledge design" workflow strategy covers the novel trend, opening and sharing of any location-aware content, information or data of public or private origin. Examples will show and explain the suitability of open government data (OGD) and INSPIRE resources. They show how make use of environmental 'live' sensing knowledge (e.g. as Situational-aware content for mobile phone apps) leveraging SOA-based geo-information exchange data and the related processing.

The workflows will be based upon the following iterative design pattern building blocks: **Structure, Integration, Sketch, Analysis, Template, Task & Automation, Presentation and cognitively Re-Assembly.**

Goal Based on the prepared building blocks of "GeoDesign" and, "OpenKnowledge" the participants will learn how to utilize public available resources like INSPIRE and Open-Government data. A particular focus is to fitting time-enabled spatial information to pre-defined end-users' needs. This new concept ultimately allows to fostering time-dependent models and related dynamic validation for the design of data structures, workflows and processes leveraging open information repositories on a technical and organizational level.