HABITATS ARCHITECTURE BRINGING SDI AND GEOSS INFRASTRUCTURE TO THE CITIZEN

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The INSPIRE Directive encourages many data managers to prepare SDIs and comply the guidelines. HABITATS (Social Validation of INSPIRE Annex III Data Structures in EU Habitats http://www.inspiredhabitats.eu/) brings the added value of social validation: efforts are led by and to the stakeholders. It affects the architecture of its seven pilots, because it should facilitate the identification of the user, especially its role to register his/her needs. HABITATS architecture design provides an overall conceptual framework for building geo-processing services for biodiversity, sea region protection and for effective management and utilization of sensitive areas. The RM-ODP framework will have to be integrated with the Model Driven Architecture approach, which allows to define the system through an abstract schema, independent from implementation tools and techniques. An important part of the methodology is to separate design of generic architecture and pilot-dependent architecture.

HABITATS Networking Services are a series of specific networking service applets deployed and tested for data sharing within the project. These are deployed on two levels:

- HABITATS Reference Laboratory www.habitats.cz as a central portal with support of global data and cross-scenario implementations.
- HABITATS pilot applications, as implementation of single HABITATS pilot cases, like the particular case of Augmented Reality pilot and its experience with INSPIRE matters.

HABITATS becomes an excellent test bed, through its seven pilots, to facilitate the use and benefit of such information, including GEOSS, for citizens. In this sense HABITATS Reference Laboratory and HABITATS Catalogue services were registered and approved as part of GEOSS components and services.