Practicing Practical INSPIRE

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Abstract

As the milestones for full functionality of INSPIRE download services grow near, the various difficulties entailed in the implementation and usage of these services are becoming more and more apparent. Issues encountered range from bugs (both known and emerging) within software used for service provision over inconsistencies and/or unclear statements in the INSPIRE Specifications and Technical Guidelines; good examples are still hard to come by, while insights as to how they came to be are often not exposed.

In order to facilitate the INSPIRE implementation process, this workshop will focus on the problems encountered in various INSPIRE implementations utilizing Open Source software, as well as the solutions and workarounds required to enable this. We will begin the workshop with an overview of possible architectures for INSPIRE implementation, illustrating these through real-world examples from various INSPIRE Themes from across Europe. We will then present and discuss various issues encountered in the implementation process, ranging from the provision of INSPIRE Compliant download services over accessing and cross-referencing the data provided via INSPIRE download services to options for the development of client solutions and the potential reuse of existing code to enable this process.

Known bugs in existing Open Source solutions will be documented and added to the rapidly growing list of bugs, workarounds and possible funding options being maintained by the INSPIRE Cluster Facilitators. Where relevant, proposals will be formulated to help mitigate issues triggered by a lack of detail in the guidance documents. We will also explore options for continuous sharing of solutions, the options for creating a repository of helper code snippets (i.e. for codelist resolution, but also for accessing and processing complex data types) will be discussed.