



Semantic interoperability concepts for metadata and related services

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To answer more and more complex and multi disciplinary geoscience questions requires the usage of multi domain datasets and different models. Today, the generation of raw data and derived products is increasing exponentially. Fortunately, more and more products are described by appropriate metadata which are also used for different kind of services. Analyzing this situation, you will find different standards for metadata as well as for services. Often, there is real interoperability concerning metadata and services only within small and very specific domains using proprietary “standards” and techniques, or the confirmed standards and appropriate applications, e.g. coming from ISO or OGC, are too complex and sophisticated in order to enable a big penetration.

This presentation will show some ideas how to network metadata and services using semantic interoperability on example of metadata and services at the GFZ Information System and Data Center.