



## Sensor Catalogue Service

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The Fraunhofer has realized a sensor aware catalogue service capable of bridging the OGC Sensor Web and INSPIRE.

The available network resources (observed features, sensors, data sources) are registered in a semantic catalogue server along with meta-data to support resource discovery by client applications.

Clients can find, for example, information sources for a given region and observable phenomenon of interest.

The Catalogue Harvester harvests meta-information from the capabilities of OGC SWE services and maps them to INSPIRE metadata. The semantic functions support the principles of query expansion and query refinements via the use of ontologies.

The catalogue client provides means for the management of harvested SWE services and supports the formulation of enhanced search queries using the semantic functionality of the catalogue.