



Air Quality Community Catalog and Rich Metadata for GEOSS

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The GEOSS Air Quality Community of Practice (CoP) is developing a community catalog and community portals that will facilitate the discovery, access and usage of distributed air quality data. The catalog records contain fields common for all datasets, additional fields using ISO 19115 and a link to DataSpaces for additional, community-contributed metadata. Most fields for data discovery will be extracted from the OGC WMS/WCS GetCapabilities file. DataSpaces, wiki-based web pages, will include extended metadata, lineage and information for better understanding of the data. The value of the DataSpaces comes from the ability to connect the dataset community: users, mediators and providers through user feedback, discussion and other community contributed content. The community catalog will be harvested through the GEOSS Common Infrastructure (GCI) and the GEO and community portals will facilitate finding and distributing AQ datasets. The Air Quality Community Catalog and Portal components are currently being tested as part of the GEOSS Architecture Implementation Pilot - II (AIP-II).