

GCI Registration and Brokering Process

Implementing **GEOSS** through the GCI

International Data Providers*

Environment



Disasters



Food & Security



Satellites



Biodiversity



Energy



Health



Urban



Water



Regional and National Providers*

Chile



China



France



Germany



India



Italy



Japan



New Zealand



Norway



Russia



South Africa



Spain



Switzerland



United Kingdom



USA



Private Sector Providers



GEO Website



earthobservations.org

GEOSS Portal



geoportal.org

GEO DAB

Discovery and Access Broker (DAB)

* a selection of more than 150 providers

- Some numbers on GEOSS Assets: 156 brokered catalogs, approx discoverable and accessible 200 ml resources

Workflow: Administrative Registration



[Yellow pages form accessible here](#)

Workflow: Brokering Process



Data Provider sends the Webservice end point URL of the Data catalogue/ information to the GCI/GEO DAB Team

GCI/GEO DAB Team runs interoperability tests.
Results are sent to Provider and GEO Sec



To address possible issues, **GCI/GEO DAB Team and Provider** work together

GCI/GEO DAB Team adds Provider's system to GEOSS Brokered sources and informs the GEO Sec – with Provider in cc
Your data catalogue is now accessible from teh GEOSS Portal



It test results are negative



OGC CSW 2.0.2 AP ISO 1.0	INPE
OGC CSW 2.0.2 ebRIM EO	CKAN
OGC CSW 2.0.2 ebRIM CIM	DCAT
ESRI GEOPORTAL 10	GI-cat
OAI-PMH 2.0	ESRI GEOPORTAL 10
OpenSearch 1.1	NCML-OD
OpenSearch 1.1 ESIP	BCODMO
OpenSearch GENESI DR	NCML-CF
CKAN	NetCDF-CF 1.4
CUAHSI HIS-Central	FTP populated with supported metadata types
ESRI REST API 10.3	WAF Web Accessible Folders
OGC WCS	GeoNetwork (2.2.0 or greater)
OGC WMS	Ecological Markup Language 2.1.1
OGC WFS 1.0.0, 1.1.0, 2.0.0	NERRS (National Estuarine Research Reserve System)
OGC WMTS	HMA CSW 2.0.2 ebRIM/CIM
OGC SOS 1.0.0, 2.0.0, 2.0.0 Hydro Profile	HDF
OGC WPS 1.0.0	IADC DB (MySQL)
OGC CSW 2.0.0 Core	GrADS-DS
OGC CSW 2.0.2 AP ISO 1.0	FedEO
OGC CSW 2.0.2 ebRIM/EO AP	ARPA DB (based on Microsoft SQL)
OGC CSW 2.0.2 ebRIM/CIM AP	ESRI Map Server
IRIS Station	SHAPE files (FTP)
IRIS Event	KISTERS Web - Environment of Canada
HYRAX THREDDS SERVER 1.9	Environment Canada Hydrometric data (FTP)
OAI-PMH 2.0 - Harvesting	OpenSearch 1.1
GBIF	Earth Engine
DIF	RASAQM
HYDRO	EGASKRO
UNAVCO	SITAD (Sistema Informativo Territoriale Ambientale Diffuso)
CDI 1.04, 1.3, 1.4	File System
ISO19115-2	GDACS
THREDDS 1.0.1, 1.0.2	GeoRSS 2.0
THREDDS-NCISO 1.0.1, 1.0.2	Degree catalog service 2.2
THREDDS-NCISO-PLUS 1.0.1, 1.0.2	OpenSearch GENESI DR

GEO Contact points

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