**WIS and GEOSS Interoperability**

**Success Story**

**GEOSS Users accessing WIS Datasets**

- **Through the GEOSS Portal**
  CONNECT to the GEOSS portal (http://www.geoportal.org/) and discover, access and retrieve the WIS resources

**WIS Users accessing GEOSS Datasets**

- **Through the KMA Portal**
  CONNECT to the KMA portal (gisc.kma.go.kr) and discover, access and retrieve the harvested GEOSS resources

- **Through the DWD Portal**
  CONNECT to the DWD portal (oai.dwd.de/remotesearch/geoss.html) and discover, access and retrieve all the GEOSS resources

**Facilitating Application Developers**

- **Through the GEO DAB APIs**
  CONNECT to the APIs Webpage (http://api.eurogeoss-broker.eu/)
  **Examples:** DWD portal, China GEOSS Portal, CEOS Water Portal, Chile Disaster Portal, etc.

**Supporting System Managers**

- **Through the Monitoring System Interface**
  CONNECT to the Web Accessible Folder and check the WIS and GEOSS synchronization status (see kma.geodab.eu/oaipmh/synch/WIS/)

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**German GISC (DWD)**

GISC Offenbach manages a catalogue with 150,000 metadata.

CNR and DWD jointly developed a service to daily synchronize and monitor the metadata between WIS and GEOSS.

In case of an outage of GISC Offenbach, GISC Tokyo acts as back-up provider. Furthermore, GISC Offenbach offers Users a remote search for all GEOSS resources – realized by using the GEO DAB-API.

**South Korean GISC (KMA)**

GISC Seoul harvests on a daily basis all GEOSS metadata and makes these metadata available to all WIS users. The GISC ensures that the harvested metadata meet WIS requirements. Furthermore, GISC Seoul developed a Web portal enabling WIS users to discover both WIS and GEOSS resources.

**GCI/DAB (CNR)**

DAB publishes the OAI-PMH 2.0 interface (supporting updates information, e.g. “deleted records”). Via this interface, DAB exposes only those records that are compliant with the WIS ISO 19139 profile.

**MORE INFORMATION**

- www.wmo.int/pages/prog/www/WIS/
- www.earthobservations.org/geoss.php

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**Useful References**

- WMO
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  Case postale 2300
  CH-1211 Geneva 2
  Switzerland

- GEO Secretariat
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