

Implementing INSPIRE GeoPortal in Turkey

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Short Summary (will be published on INSPIRE Conference website)

Ministry of Environment and Forestry (MEF) has been developed a geoportal aims to search and serve spatial data which located in different departments of MEF contained in the project within the framework of INSPIRE directives.

Geoportal was build on ESRI technology and has; ArcGIS Server GeoPortal Extention, Inspire Fusion Center, Servis Monitor, Security Manager and INSPIRE Solution Package for FME components.

MEF Geoportal provides a technical mechanism—a geospatial information portal—for posting, discovering and exchanging existing geospatial information resources maintained in inspire or other standards-based environments. The MOF Geoportal supports both broadly based SDIs and more narrowly framed local and organization-specific data-sharing communities. At its root, the MOF Geoportal is a special-purpose Web site-building system designed to provide central "switchboards" for SDI-based data-sharing communities. It connects geospatial data, especially for protected sites data producers and users. You can use the MEF Geoportal to:

- Discover geospatial information resources
- View details about each discovered resource, including how to get it for your own use
- Immediately view Live Data and Map resources you have discovered
- Create, upload and manage metadata that references geospatial data items and services your organization has produced
- provide the means to search for spatial data sets and spatial data services, and Subject to access restrictions, view and download spatial data sets from the MEF's Departments
- Manage and update your own user account information
- Manage and save queries you have created for use during subsequent sessions

A fundamental objective of the MEF Geoportal is to provide a means for referencing and accessing geospatial information that is distributed and made available using a variety of technologies. To this end, MEF Geoportal functionality supports all principal metadata standards and electronic data communication standards. It can also integrate data made available in a large variety of formats by using FME solutions.

MEF Geoportal supports the following standards:

- Metadata standards: FGDC, ISO 19139/19115/19119, Dublin Core, INSPIRE and North American Profiles
- Interface standards for integration with external map services: ArcGIS Server; GeoRSS; KML/KMZ; OGC WMS, WFS and WCS.
- Interface standards for catalog service harvesting and to enable federated architecture: Z39.50, ArcIMS, OAI, WAF, CSW
- Standard interfaces that enable various applications to discover resources through thegeoportal: OGC CSW and CSW ISO AP, INSPIRE Discovery service, OpenSearch, REST

MEF Geoportal has standard interfaces supports external applications that consume geoportal services. To enable wide usage of discovery capabilities, the MEF geoportal provides discovery clients for different environments. In addition to the geoportal, Web user interface clients for ArcGIS Desktop, ArcGIS Explorer, and Web-based applications are also available.

The capabilities outlined above enable INSPIRE users to create, manage, publish, and store metadata, and they include complete support for the INSPIRE discovery specification.

Categories

Submission Type: *Workshop proposal*
