

GIS Portal Toolkit User Reference List

Organizations worldwide have successfully implemented the GIS Portal Toolkit.

Geospatial One-Stop Operational Portal

gos2.geodata.gov

In 2005, ESRI was selected by the Department of the Interior to develop the Geospatial One-Stop Operational Portal (GOS 2), the U.S. National Spatial Data Infrastructure (NSDI) that would serve to encourage greater collaboration and coordination in the use of geospatial technologies across all levels of government. GOS 2 provides a one-stop ability to search for geospatial data from local, state, and federal sources; Web mapping services; data collection activities; and geospatial best practices and standards. The portal is open, interoperable, and incorporates industry-approved standards. GOS 2 represents a dramatic advance not only for geographic information system (GIS) technology on the Internet but also for the entire geospatial field.



INSPIRE Geoportal (Infrastructure for Spatial Information in Europe)

eu-geoportal.jrc.it/gos

This project represents Europe's NSDI endeavor to create an Internet access point to a pan-European collection of spatial data and metadata. The goals are to trigger the creation of a European spatial data infrastructure; deliver to users integrated spatial information services linked by common standards and protocols; and support established standards and specifications from European, international, and industry consensus building processes including the International Organization for Standardization (ISO), the European Committee for Standardization, the Open Geospatial Consortium, and the World Wide Web Consortium.



India NSDI

gisserver.nic.in/nsdiportal

The India NSDI Portal provides access to information on spatial data that has been developed by several government agencies in India. Users can take the traditional approach to searching for spatial data based on a map sheet (or topo sheet, similar to the quad sheets in the United States), or they can search for spatial data using more generic search criteria such as spatial extent keywords. ESRI integrated India's own metadata standard approach with ISO 19115-compliant metadata. By doing this, the portal can contain metadata documents that fit within the India NSDI metadata standard and are published by agencies that follow the ISO standard. This opens the door to foreign users and global SDI participation.



Conservation GeoPortal

www.conservationmaps.org

The Conservation GeoPortal is a collaborative effort by and for the conservation community. Its purpose is to facilitate the discovery and publishing of GIS data and maps to support biodiversity conservation decision making and education. Goals include providing a free tool for all conservation practitioners and supporters to use and contribute content, minimizing the proliferation of geospatial data catalogs as well as reducing duplication of effort in building and maintaining metadata catalogs and map viewers.



Arkansas Geographic Information Office

www.geostor.arkansas.gov

Recognizing the benefits of spatial information technology, the State of Arkansas deployed GeoStor, an enterprise-wide data distribution and Web application portal. It enables local, state, and federal agencies to store and publish GIS data and services for other organizations' use. This enhances workflow processes between agencies and provides integration with the private sector. GeoStor's shared service architecture is a cost-saving approach, eliminating the need for duplicate hardware, software, and data collection efforts. In addition, using commercial off-the-shelf software such as the GIS Portal Toolkit—instead of highly customized products—requires minimal staff training and provides greater continuity within and between agencies.



Italian Ministry of Environment and Territorial Protection

www.pcn.minambiente.it

The goals of the GIS portal Portale Cartografico Nazionale are to promote the use of Territorial Information Systems as well as make environmental and territorial information regarding projects and activities at the national and European levels available to the public, not only to field experts. ESRI worked with ESRI Italia to create a nationwide GIS portal, providing access to the full range of cartographic data belonging to the ministry and its related entities. The GIS portal includes a large raster database/catalog of photogrammetric images of the entire Italian territory.



GeoNorge

www.geonorge.no

This project was an agency collaboration headed by the Norwegian Mapping Agency to provide Web-based map and geographic services on the Internet. It involved cooperation of public agencies that have geographic responsibilities or are large users of geographic information. Publication is open to data providers to both public and private users.



Alabama Emergency Management Agency

portal.gsa.state.al.us

In 2004, ESRI contracted with the Alabama Emergency Management Agency (AEMA) for five days of on-site training designed to enable it to set up its GIS portal, the Alabama Metadata Portal. AEMA was interested in improving access to geographic information that would serve its organizational objectives—preparedness for, response to, and recovery from emergencies including those due to acts of terrorism. AEMA had established a relationship with about six organizations (including counties and other state agencies) that were willing to share their data as the starting point for the portal. These organizations wanted to share their data but keep their applications private and secure.



Visit the following organizations' Web sites for additional examples of GIS Portal Toolkit implementations:

Northern Ireland GeoPortalNI—www.geoportalni.com

Netherlands Nature Information Portal—www.natuurgegevens.nl

Northwest Subbasin Geographic Data Browser—nppc.bpa.gov

Nova Scotia, Canada, GeoNOVA Portal—www.gov.ns.ca/geonova



To learn more about GIS Portal Toolkit, visit www.esri.com/gisportal or e-mail portal@esri.com.

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