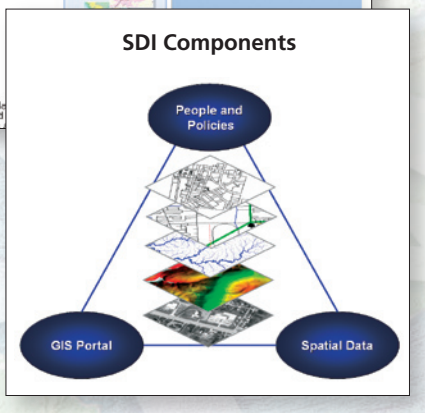
GIS Portal Toolkit

Toolkit for Spatial Data Infrastructure Portals

Geospatial One-Stop gives all levels of government and the public access to geospatial information.



The Conservation GeoPortal is a collaborative effort by and for the conservation community to facilitate the discovery and publishing of GIS data and maps to support conservation decision making and education.

The ESRI® GIS Portal Toolkit is a technology and services solution for implementing local, regional, national, and global spatial data infrastructure (SDI) portals. The GIS Portal Toolkit enables implementation of one-stop Web sites for the discovery, transmission, and use of geographic data and mapping services maintained anywhere on the Internet.

Organize, Share, and Access GIS Data and Services

A modern, viable SDI requires both spatial data and a Web-based GIS portal for coordinating policies and access to data. The ESRI GIS Portal Toolkit provides you with all the functional capabilities needed to deploy a geographic information system (GIS) portal for your organization's SDI. It is designed for interoperability by supporting finalized Open Geospatial Consortium (OGC) specification standards.

ArcGIS™ ESRI®

For more information on GIS Portal Toolkit,

visit **www.esri.com/gisportal**

or e-mail **portal@esri.com**.

The GIS Portal Toolkit is built around the following modular components:

GIS Portal Site Starter is a customizable, integrated set of Web pages that helps you set up your portal Web site. You can

- Allow users to search and discover metadata about GIS data and services.
- Organize thematic content for channel pages.
- Allow users to perform online mapping.
- Set up user logins and profiles and save maps and searches.
- Publish, create, and harvest metadata.

GIS Portal Catalog Service is a Web service component for handling metadata discovery, publishing, and validation. The GIS Portal supports public and private metadata collections.

GIS Portal Map Viewer allows users to view multiple live data and map services in one map. It can connect to OGC Web Mapping Services (WMS), Web Feature Services (WFS), Web Coverage Services (WCS), and ArcIMS® services. Users can share their maps with others, save their maps to their login account, or save the maps as an OGC Web Map Context (WMC) file on their local computer for reuse.

Portal Toolbar for ArcMap provides interoperability between the GIS desktop and the GIS Portal. When added to ArcMap™, this toolbar allows users to search a GIS portal for live data and map services and add selected services to a map. The toolbar can also open OGC WMC files created by a GIS Portal Map Viewer.

Learn How Organizations Have Implemented Their GIS Portals

Based on ESRI ArcIMS and ArcSDE® server technology, this standards-based solution offered through ESRI's Professional Services is a cost-effective way to get a functional site up and running quickly. Various organizations worldwide have successfully implemented their portal sites with GIS Portal Toolkit. For examples, visit www.esri.com/gisportal and see Case Studies.

The Site Starter makes building custom GIS portal sites quick and easy.

The India NSDI Portal integrates India's own metadata standard approach with the ISO standard, which opens the door to foreign users and global SDI participation.

By combining data from six organizations, the Alabama Emergency Management Agency (AEMA) portal helps AEMA prepare, respond, and recover from emergencies including those due to acts of terrorism.

For more information,

visit **www.esri.com/gisportal**
or e-mail **portal@esri.com**.

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