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## <u>Geospatial One-Stop</u> Introduction to Geospatial One-Stop (GOS)

An overview of the Geospatial One-Stop egovernment initiative and the geodata.gov geospatial data portal

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Introduction to GOS Learning Objectives <u>fg</u>dc After completing this lesson the participant will be able to: Explain the purpose of the Geospatial One-Stop (GOS) project Þ Identify geodata.gov portal features that support GOS project goals Outline the relationship between Geospatial One-Stop, The National Map (TNM), Federal Geographic Data Committee (FGDC), and the National Spatial Data Infrastructure (NSDI) Identify the benefits of Geospatial One-Stop participation Þ Perform basic geodata.gov operations Þ Locate data using the geodata.gov 'Search' functions Þ Locate and view metadata records available via the geodata.gov website Create a map using the geodata.gov Map Viewer Identify pertinent data acquisition plans Þ 1 national spatial data infrastructure training program



•The president's Office of Management and Budget (OMB) oversees the E-Government Initiatives

•GOS is the geographic component of the President's Management Agenda

The U.S Geological Survey serves as the Managing Partner for Geospatial One-Stop

One of the ways the National Geospatial Programs Office (NGPO) brings increased visibility and implementation of the NSDI

	fgdc Introduction to GOS Goals and Implementatio	n
	Goals Portal Implementation	
	<ul> <li>Easier data discovery across government</li> <li>Centralized Search</li> </ul>	
	<ul> <li>Reduce duplicate spending</li> <li>Partnership Marketplace</li> </ul>	
	<ul> <li>Authoritative data sources and services</li> <li>Featured in 'Communities'</li> </ul>	
	<ul> <li>Access to Federal, State – Data access controlled by provider and Portal/Portlet controls</li> </ul>	
	<ul> <li>Interoperability</li> <li>OGC Specification implemented</li> </ul>	
national	spatial data infrastructure training program	3



The National Map provides base map geospatial data layers

GOS provides tools for the discovery of geospatial data and for accessing the data

Geospatial data comes from a wide variety of sources

The FGDC sets standards so that geospatial data from all sources is compatible and can be seamlessly integrated

GOS, TNM, and FGDC are all part of the NSDI



Geospatial data providers make their data discoverable through GOS by entering metadata records into the GOS catalog

End users search the GOS catalog to find the data they need





www.geodata.gov is the web site (portal) for the Geospatial One-Stop

The GOS website (www.geodata.gov) is accessed using a Web Browser. No special software is needed.



The GOS Portal has several functional areas including:

•A search portlet that lets users search for, find and obtain geospatial data

•A Communities list where a user can browse for key geospatial resources by topic

•A featured topic area where current events or topics are emphasized



The GOS portal includes a Map Viewer where live data and maps (Web Mapping Services) can be added to a map





 Introduction to GOS

 Metadata Format and Content Standards

 Geospatial One-Stop requires metadata that is formatted as specified by the FGDC's Content Standard for Digital Geospatial Metadata (CSDGM)

 For more information about geospatial metadata standards visit:

 www.fgdc.gov/metadata/geospatial-metadata-standards

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12











In the Search portlet or Search tab, click on the Show Advanced Search Options link to see more search criteria.

In addition to the What and Where values you can select data by timeframe, Content Type, and Data Category.

You can also use the My Geography map to define a spatial area for a search. The Spatial search can allow data to overlap the area of interest or lie within the area of interest for a more specific search.

Results can be sorted by several criteria such as relevance, date, title and smallest or largest coverage area.

These features are covered in more detail in the next module.









Show and highlight elements of Add to Map page from the results page. Note that the "Add to Map" option is only enabled if the data item cited in the result is content type = Live Data and Map."



This is an example of a map created in the GOS Map Viewer by adding in several data sets from different sources.



A new feature in GOS allows you to get to the metadata from the Map Viewer.

Click on the information icon to the left of the data set name in the table of contents to open the metadata record.







You can search for data acquisition projects by selecting the "Geographic Activities" content type in the advanced search form.



More advanced features are available after logging in as a registered user

Introduction to GOS Review of Key Concepts fgdc • Geospatial One-Stop is an integral part of the National Spatial Data Infrastructure • Geospatial One-Stop enables *users* to discover and view or obtain geospatial information that others have created and made available. ▶ Geospatial One-Stop enables *producers* of geospatial information to make their information available for wide use. Geospatial One-Stop enables users to collaborate on data acquisition activities • The heart of the Geospatial One-Stop is a Metadata Catalog that cites the geospatial information maintained elsewhere by its producers. • Geospatial One-Stop is available to anyone with a Web Browser 28 national spatial data infrastructure training program



