Encourage citizen engagement, deliver transparency, and foster collaboration with ArcGIS®.
Upon taking office, President Barack Obama issued an open government directive requiring agencies to improve transparency, participation, and collaboration. To achieve these goals, agencies are increasingly using Web 2.0 technology to facilitate online data sharing and interaction with the public. Ultimately, these efforts have led to a new model for governance—Gov 2.0.

Since the advent of this model, geographic information system (GIS) technology has played a key role in supporting Gov 2.0 initiatives. Mapping and spatial analysis are helping agencies achieve openness and engage citizens with clear, easy-to-understand maps related to issues like broadband service, health, and stimulus spending. Citizens can see how government is performing and use that information for better decision making.

As ESRI and its users continue to create innovative solutions for government, GIS is delivering a strong platform for Gov 2.0.

www.esri.com/gov20
A Pattern of Success

Government has invested heavily in geospatial data and technology because nearly everything in the public realm happens in the context of geography. Using geography as a foundation streamlines operations, collaboration, and communication.

To better serve the public with Gov 2.0 applications, agencies are leveraging their GIS investments and creating dynamic online mapping applications that support open government initiatives. Maps that show authoritative data and reveal spatial patterns communicate how money is being spent, where there are areas of need, and much more.

Opening government and sharing data through GIS are strengthening democratic processes and the health of the nation.

Recovery Accountability and Transparency Board

With a dynamic Web map, the United States Recovery Accountability and Transparency Board’s Recovery.gov Web site shows details about how American Recovery and Reinvestment Act of 2009 (ARRA) funds are being spent. Agency- and recipient-reported information includes award type, status, and amounts.
Transparency and Accountability

Federal agencies are using GIS on the Web to show how they are meeting public needs across the country and account for their actions. Citizens can see how spending and services are affecting their neighborhoods and how these compare to national trends. Empowered with information, citizens more deeply understand how government is working for them.

Department of Transportation

The United States Department of Transportation (U.S. DOT) is using GIS to report ARRA spending at arra-gis.dot.gov. The online map provides information about dollars obligated and projects pending in states and territories at the county and congressional district levels. Visitors can easily access project details including federal funding amounts and descriptions. The application also allows searches according to U.S. DOT agencies: aviation, transit, maritime, highways, and rail.

Environmental Protection Agency

The United States Environmental Protection Agency (EPA) is using GIS to show how it is administering its $7.22 billion allotment from ARRA. The Web mapping application (click the link on http://www.epa.gov/recovery/map.html) shows total financial obligations and outlays by state. Once a state is selected, visitors can see how much money is going to state and tribal assistance grants, environmental programs and management, the Leaking Underground Storage Tank Trust Fund, and the Hazardous Substance Superfund.

The U.S. DOT map shows ARRA projects and funding by county, congressional district, and agency.

EPA’s Web map shows ARRA investments in the United States, American Samoa, and Puerto Rico.
BroadbandStat

States are using BroadbandStat, a Web application that helps visualize broadband coverage, to meet ARRA requirements. The application employs interactive maps and enables states to build and evaluate broadband expansion scenarios using detailed data such as demographics, current availability, and research about adoption barriers. BroadbandStat’s tools can be used to identify optimal areas for infrastructure investment, and its Web capabilities support transparency by giving the public access to information.

Department of Agriculture

To inform the public about access to healthy food across the nation, the U.S. Department of Agriculture (USDA) Economic Research Service created the online Food Environment Atlas. Ninety indicators, such as access and proximity to grocery stores, food assistance, and food eaten at home, were aggregated from many government sources for the first time to draw a robust picture of environmental factors impacting food choices and quality. In addition to delivering transparency and openness in government, the atlas supports First Lady Michelle Obama’s campaign to end childhood obesity.

The percentage of households that are without a car and farther than one mile from a grocery store is shown on a scale from 0 to 27.9 percent (from light green to dark green).
The Hudson Floodplain Viewer assists residents submitting appeals for new FEMA floodplain designations.

Maryland’s performance measurement tool StateStat shows current recovery investments and stimulus statistics.

**Tools for Online Mapping and Spatial Analysis**

ArcGIS® Server is the platform federal agencies use for Gov 2.0 initiatives because it supports delivery of mapping services and applications across the Web. Accessible on premises or in the cloud, this technology provides a foundation for leveraging geospatial investments and effectively managing data, conducting spatial analysis, and deploying mobile services.

To facilitate fast Web application development with server GIS, ESRI provides the following online resources. Use them to make the most of authoritative and crowdsourced data while supporting operationally critical systems and government directives.

**ArcGIS Online**

ArcGIS™ Online is a Web-based repository for ready-to-use GIS data, tools, services, and basemaps. You can search for geospatial content provided by other users and share your own maps, data, and tools.

**ArcGIS Online APIs**

Open Web mapping APIs allow you to develop rich, interactive applications using JavaScript™, Flex™, or Silverlight™. Embed applications in Web pages or launch stand-alone Web applications from a Web page.

**ArcGIS Online Resource Center**

Visit the ArcGIS Online Resource Center Web pages to see samples that include a live demo, description of each sample, and source code. You can also find tips on getting started and connect with other developers in forums.

**ESRI GIS Services Available on Apps.gov**

Federal government employees can purchase ESRI® ArcGIS Online services on Apps.gov, the U.S. General Services Administration’s (GSA) source for cloud-based IT services. Search “ESRI” to find world satellite imagery, geocoding services, datasets, and more.
To find resources and learn more about GIS for Gov 2.0, visit www.esri.com/gov20.
About ESRI

Since 1969, ESRI has been helping organizations map and model our world. ESRI’s GIS software tools and methodologies enable these organizations to effectively analyze and manage their geographic information and make better decisions. They are supported by our experienced and knowledgeable staff and extensive network of business partners and international distributors.

A full-service GIS company, ESRI supports the implementation of GIS technology on desktops, servers, online services, and mobile devices. These GIS solutions are flexible, customizable, and easy to use.

Our Focus

ESRI software is used by hundreds of thousands of organizations that apply GIS to solve problems and make our world a better place to live. We pay close attention to our users to ensure they have the best tools possible to accomplish their missions. A comprehensive suite of training options offered worldwide helps our users fully leverage their GIS applications.

ESRI is a socially conscious business, actively supporting organizations involved in education, conservation, sustainable development, and humanitarian affairs.

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