

Responding to Continually Increasing Geospatial Information Through Capabilities for Exposing Data for Effective Decision Making

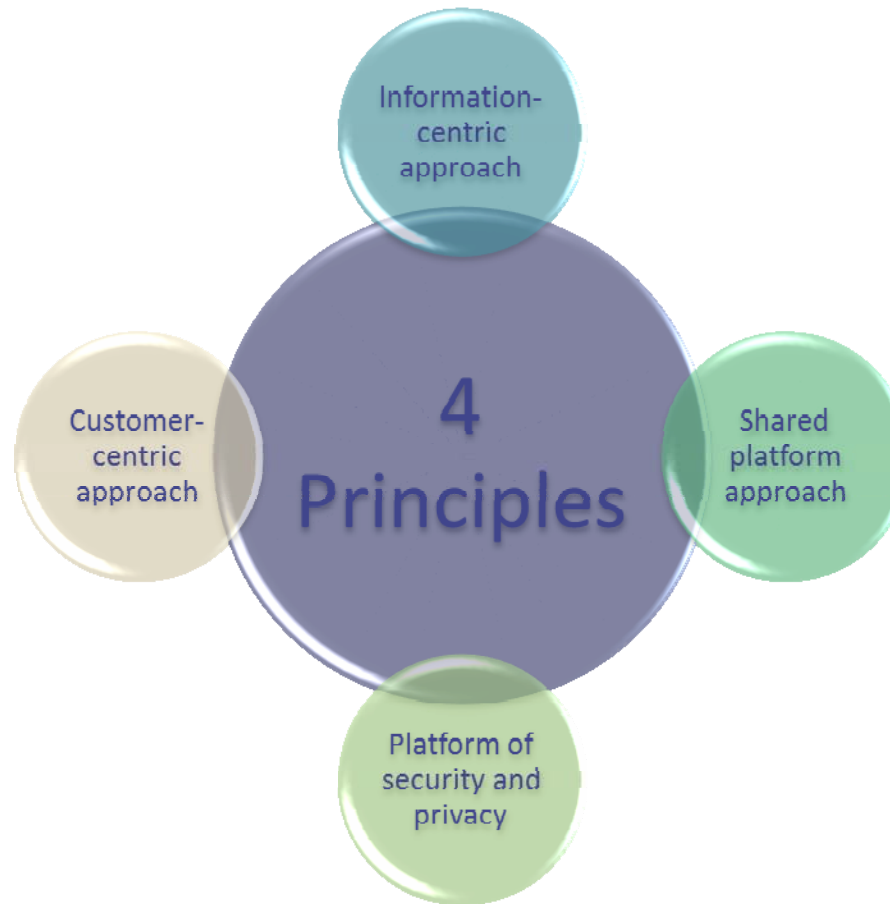
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U.S. Census Bureau

Future Trends

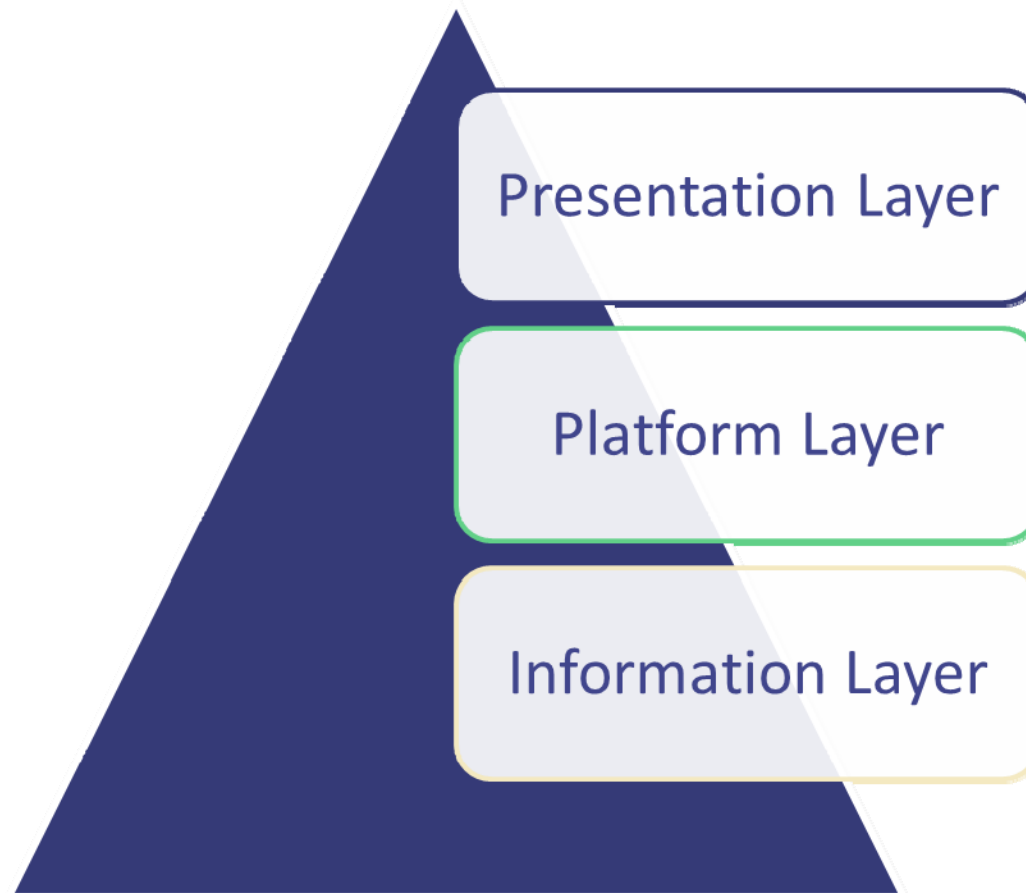
- ◆ Knowledge sharing for experience with access and use of geospatial data
- ◆ Non-traditional data sources
- ◆ New modes of data collection
- ◆ Increases in data transmission



Digital Government Strategy



Conceptual Model




HOME
GALLERY
MAP
GROUPS
MY CONTENT

Welcome to the

Geospatial Platform


The Geospatial Platform provides shared and trusted geospatial data, services, and applications for use by government agencies, their partners and the public

Featured Map:




NOAA Seamless Raster Nautical ...

Featured Maps ➤




Explore featured maps and apps from all levels of government.

Collaborate in Groups ➤




Work in public and private groups with others who share your interests and ideas.

Build Your Own Map ➤



Create a map you can view anywhere on any device and share with anyone.

About the Geospatial Platform ➤

Federal agencies and their partners collect and manage large amounts of geospatial data - but these data are often not easily found when needed or accessible in useful forms. The Geospatial Platform provides ready access to federally maintained geospatial data, services and applications. The content of all datasets and services demarcated with the Data.gov globe  have been verified by the Agency to be consistent with Federal privacy, national security, and information quality policies. As an additional service to our users, we also provide access to data from our partners across State, Tribal, Regional and local governments as well as non-governmental organizations.

History and Challenges

- ◆ Great success in making data available through metadata catalogs (Geospatial One Stop, Data.gov)
 - Products in these catalogs still not easily accessed and understood by key decision makers and “non-experts”
 - A proliferation of portals – no single place to develop and publish geospatial information products across USG
- ◆ Adoption of standards and publishing of open data / services has been widespread across USG agencies
 - Some agencies have difficulty in getting through the technical hurdles and effort / cost required to publish

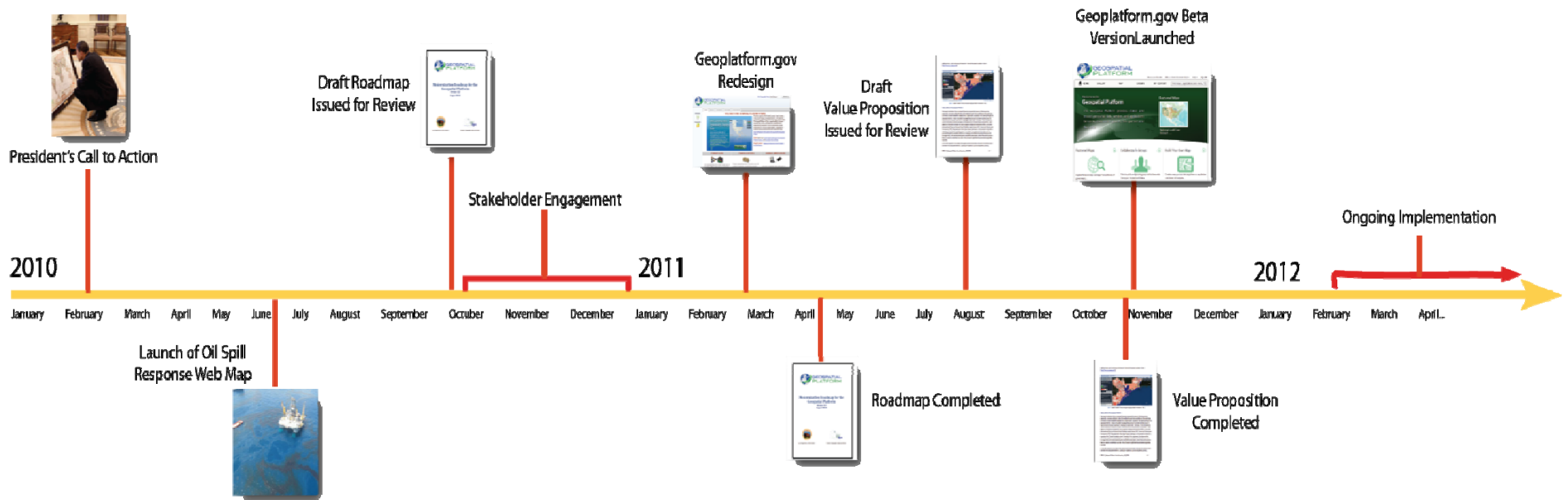


A Call to Action

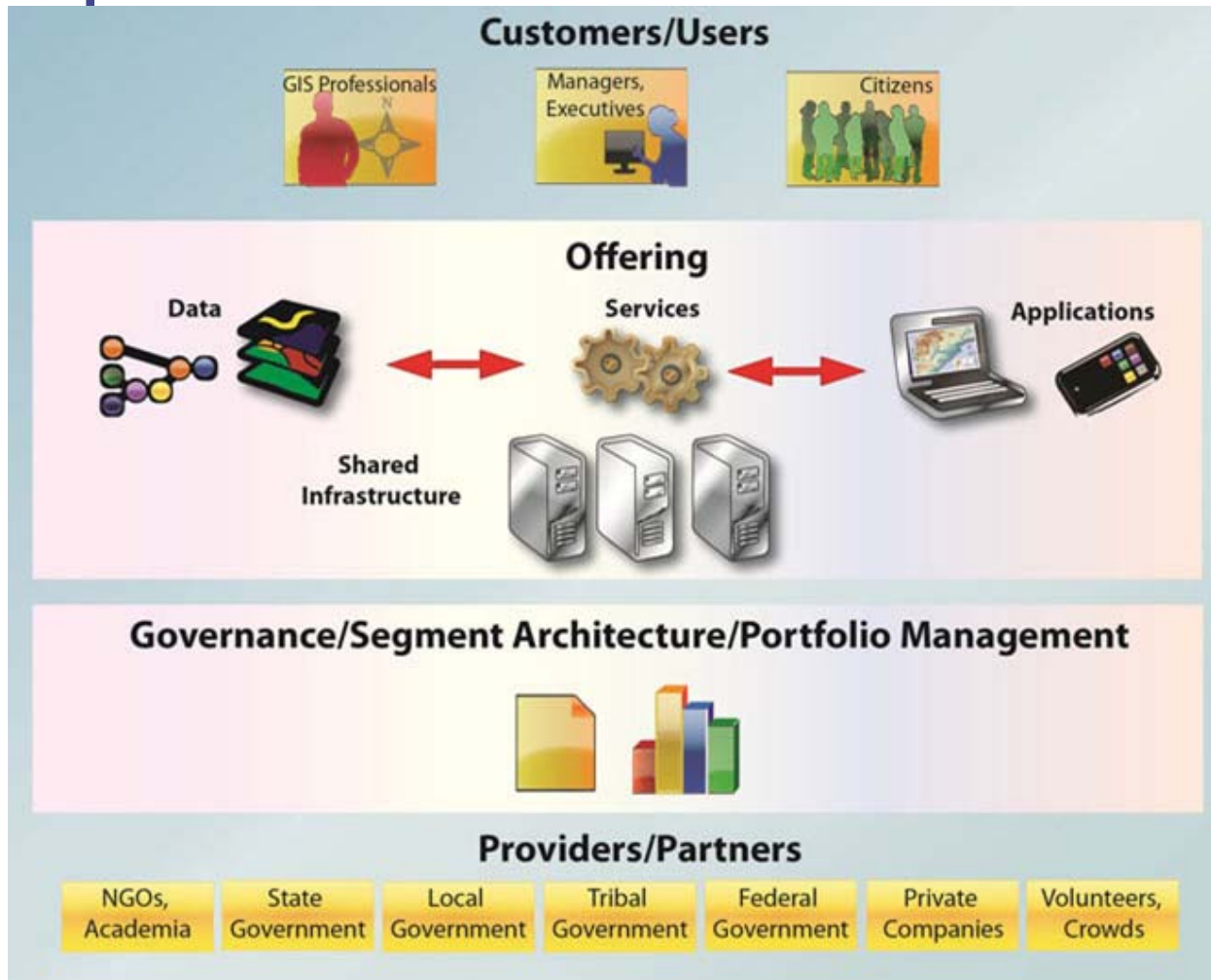
- ◆ Budget Language for FY 2011, Direction to create the “Geospatial Platform”
 - Portfolio Management, prioritize investments based on business need
 - Leverage existing initiatives
 - Improve the governance framework
 - Address the requirements of State, local and tribal agencies
 - Reuse data, tools and architecture
 - **Increase access to geospatial data**



Since that time...



Conceptual Model



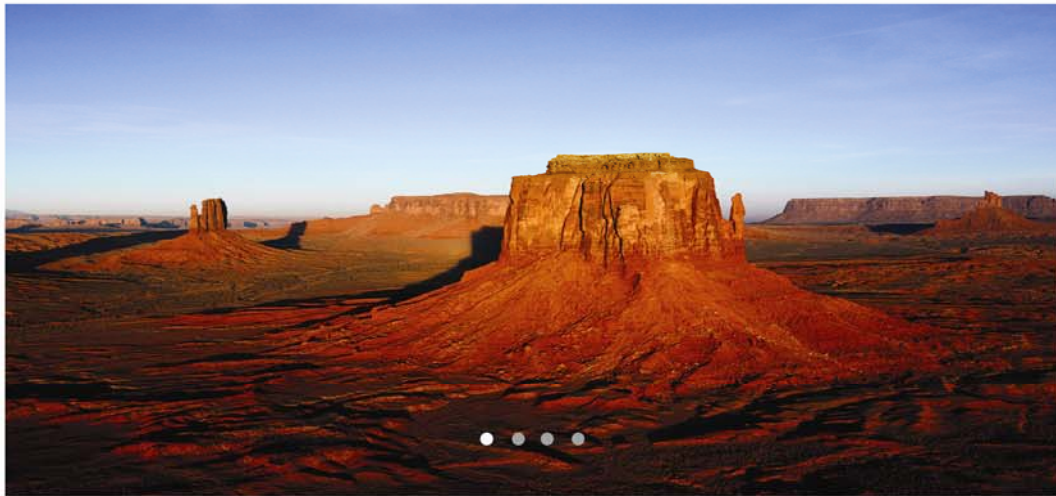
Geoplatform 2.0

◆ Goals:

- Facilitate the **use** of geospatial data and tools
- Focus on **National Geospatial Data Assets**
- Focus on non-experts / decision makers



- Collaborate
- Discover
- Share



Search GeoData

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GIS/IT Professionals

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Government

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Communities

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Recent Data Updates

National Wetland Inventory

USFWS Annual Update Registered and Published; Added to Environmental,

Social Media

Twitter

MapGuy: *Just shared a map #geoplatform*

News

Hurricane Sandy Community Established

Sed ut perspiciatis unde

Hurricane Response Community

- ◆ Strong partnership support from NOAA, FEMA, USGS, State of Texas
- ◆ Nearly 50 items registered in group on Platform
- ◆ Webmaps / Templates Available and in Production
 - Weather, Forecasts & Modeling
 - Pre-event Planning (Fed only)
 - Post-event Recovery Scenarios
 - Pre-event Planning w/ State Data
 - Named Storm Information View
- ◆ Raised need for contextual info – beyond maps
- ◆ Discussions of how Agencies interact w/ Platform



Geoplatform 2.0 – Issue Maps / Map Stories

- ◆ Build three new high profile stories, leveraging hurricane response community efforts
 - Communicate cross-government policy issues
 - Establish shared template(s) fit for deployment on the highest profile *.gov websites
 - Build expertise on government-staffed team of experts that can respond to new requests



High Priority Work in Progress

- ◆ Shared Hosting Infrastructure
- ◆ Communities of Practice / Interest
- ◆ Federation and Sharing among multiple “Platforms”
- ◆ Building different user experiences that leverage the existing geoplatform.gov capabilities



Geoplatform 2.0 – Next Steps

- ◆ Continue execution on technical milestones above
- ◆ Clearly define service catalog so Departments can make choices and plan
- ◆ Develop guidance on hosting options for NGDAs
- ◆ Establish reporting dashboard content for NGDAs
- ◆ Training, Support and Outreach



Lessons Learned

Successes

- ◆ Common platforms
- ◆ Developing standards
- ◆ Willingness for collaboration
- ◆ Robust technology is available

Challenges

- ◆ Volumes of diverse data
- ◆ Varying levels of data precision and quality
- ◆ Data Integration





Questions?

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