



# Geospatial Platform Update

OCM Inventory Workshop

7 June 2011

# The Geospatial Platform

## ◆ Definition

The Geospatial Platform will be a managed portfolio of common geospatial data, services, and applications contributed and administered by authoritative sources and hosted on a shared infrastructure, for use by government agencies and partners to meet their mission needs and the broader needs of the Nation

## ◆ Vision

All government agencies and their partners have access to geospatial capabilities to meet mission needs, ensure transparency and accountability, and geo-enable the business of government

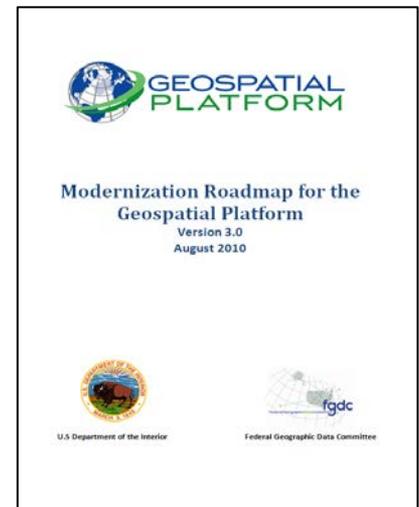
# Touch-Points for the GeoPlatform with the OMB Implementation Plan

- ◆ #1 – Complete detailed implementation plans to consolidate 800 data centers by 2015
- ◆ #3 – Shift to a "Cloud First" policy
- ◆ #6 – Develop a strategy for shared services
- ◆ #9 – Require integrated Program Team
- ◆ #10 – Launch a best practices collaboration platform
- ◆ #17 – Work with Congress to create IT budget models that align with modular development
- ◆ #20 – Work with Congress to consolidate Commodity IT spending under Agency CIO
- ◆ #21 – Reform and strengthen Investment Review Boards
- ◆ #22 – Redefine role of Agency CIOs and Federal CIO Council

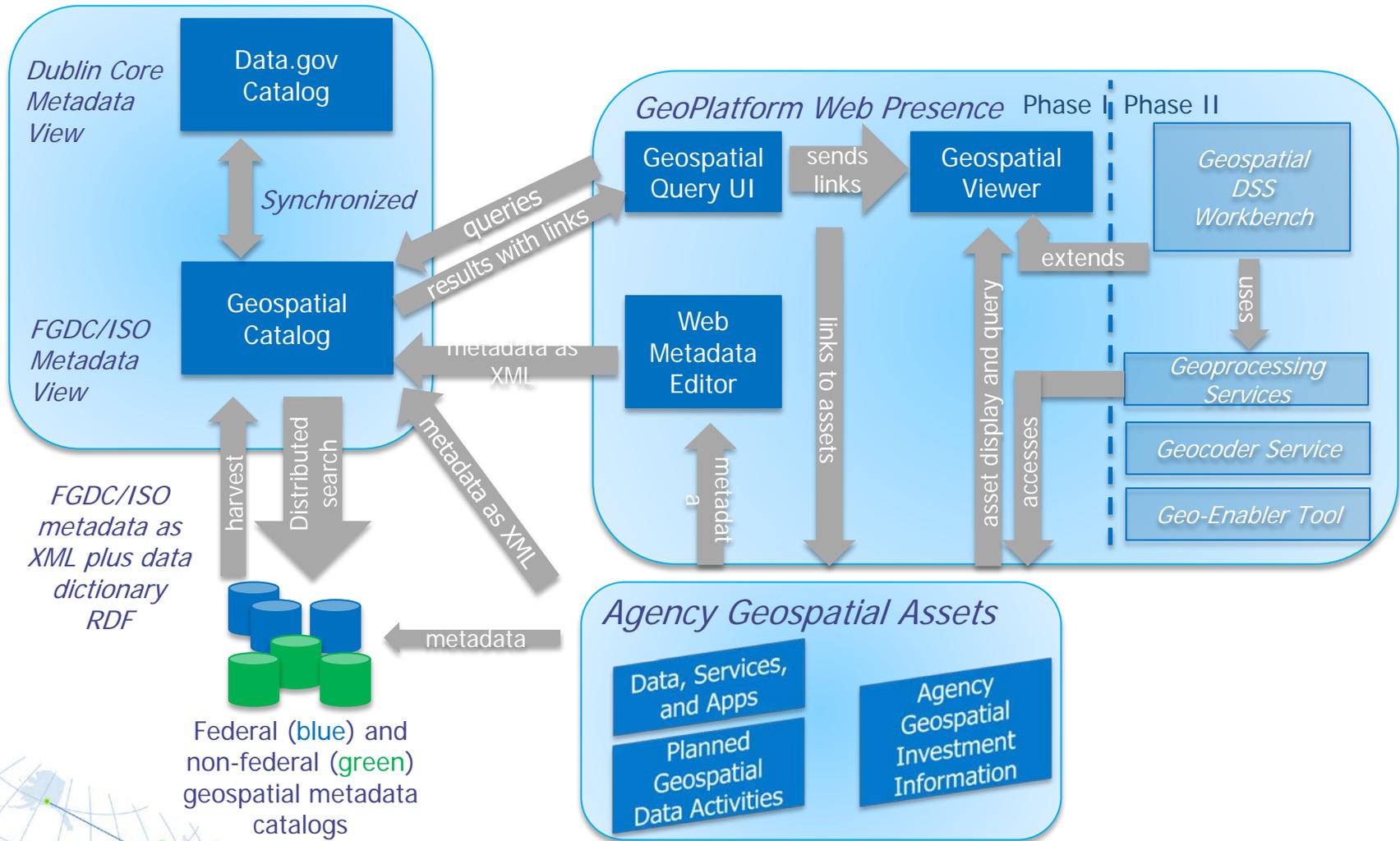


# Modernization Roadmap

- ◆ Respond to FY2011 President's Budget Direction to develop a Modernization Roadmap to implement the Geospatial Platform
- ◆ Roadmap Purpose:
  - Define geospatial platform and establish vision and purpose
  - Describe future state technology architecture
  - Identify processes and organization elements to ensure success
  - Describe strategic path forward to implement vision
  - Identify actionable projects and activities for short- and mid-term implementation; including operations



# Notional Technical Architecture



# Making it Real – Business Cases

- ◆ Strong need for high priority business cases to show benefits of approach

- ◆ Candidate ideas discussed have included

  - Smart Growth
  - Emergency Response
  - Sustainability
  - Coastal Planning

  - Energy Development
  - Food Safety
  - Wildland Fire Response
  - ... *and more*

- ◆ Need Steering Committee ideas and support for building use cases

# Next Steps to Implementation

- ◆ Building on work of Technical Deployment Task Team, define and finalize Platform high level architecture
  - Develop guidance document to describe architecture and how to leverage
- ◆ GSA Team (Data.gov) poised to issue tasking to build “Version 1” of the Geospatial Platform
  - Need FGDC technical advisory / oversight team

# Major Tasks in Data.gov Work

- ◆ Task 1 – Harvester & Metadata Migration
  - Harvesting and Distributed Search broker to register and schedule harvest or distributed search for data providers
- ◆ Task 2 – Geospatial Search Interface
  - Finally...
  - Search on place name, address, coordinates, user provided point, current extent

# Major Tasks in Data.gov Work

## ◆ Task 3 – Geospatial Catalog Services

- Implement REST, Z39.50, OGC-CSW, OpenSearch, etc. to enable API access to catalog

## ◆ Task 4 – Geospatial Application Integration

- Broad task for prototype “Workbench”
- Geocoding, visualization, map sharing and social networking

# Questions?

For additional questions please contact:

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