DATA.GOV

What does geodata.gov mean to data.gov?

Target Conceptual architecture

Data.gov

Administration's Objectives

- A government that is:
 - Transparent
 - Promotes accountability
 - Provides information for citizens on what their government is doing
 - Participatory
 - Agencies encouraged to provide citizens opportunities to participate in policy making
 - Agencies encouraged to solicit ideas from citizens about how to improve those opportunities
 - Collaborative
 - Use innovative tools to enable collaboration across and at all levels of government

Architecture Principles (Community Market Principles)

Increase the usage of data.gov which will drive greater contributions from data suppliers.

- Improve performance on supply side
- Preclude leveling off of supplier contributions

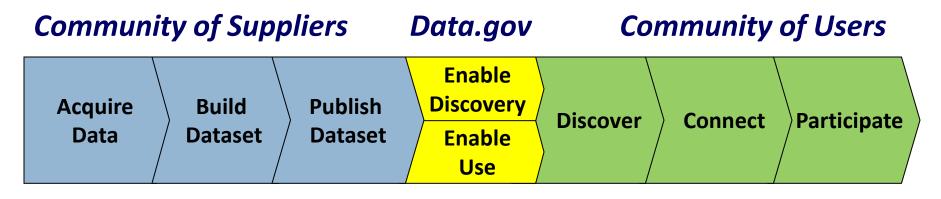
Communities of Use are self organizing and the trend is towards "push" models:

- Enabling users where they do their work and are comfortable and tools to use in their context or organization
- Search Enablement catalog, spatial, federated, Easy Access Data Downloads, Map Services, Notifications
- Data Users/Shoppers search for thematic content first supported by location or time, authority or quality and finally its structure or packaging

Communities of Supply are <u>not</u> self organizing and the trend is towards "pull" models:

- Need to identify and develop targeted communications
- Require strong communication and investment to create buy-in
- **They need supplemental ways to be harvested to get their content**

Data.gov Value Network Model



Efficiency Measures

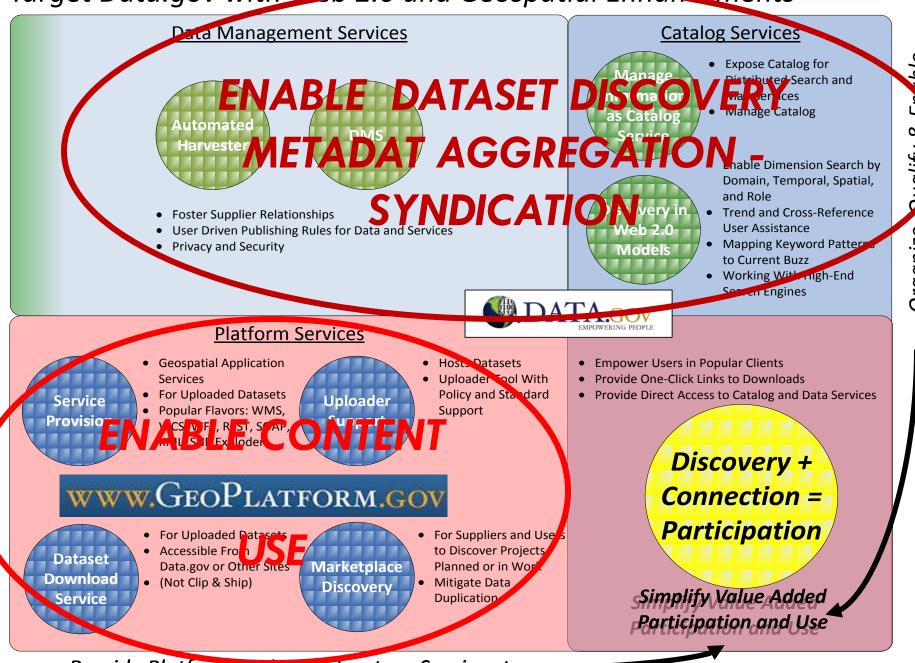
Effectiveness Measures

Service Architecture:

Metadata Aggregation and Syndication

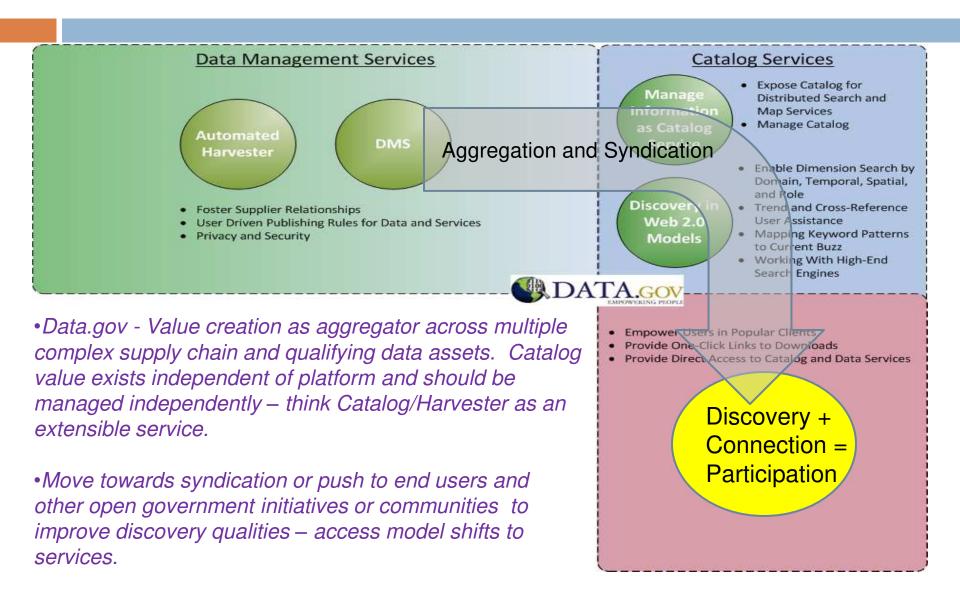
Infrastructure and Platform Services

Target Data.gov with Web 2.0 and Geospatial Enhancements

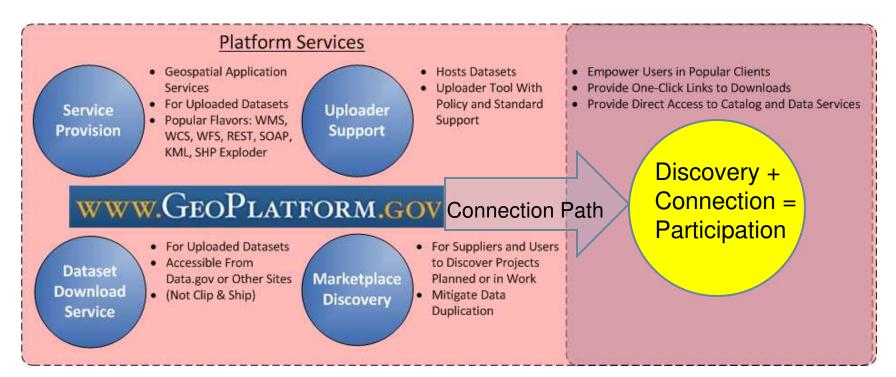


Provide Platform and myrastructure Services to

Enabling dataset Discovery



Enabling Content Use

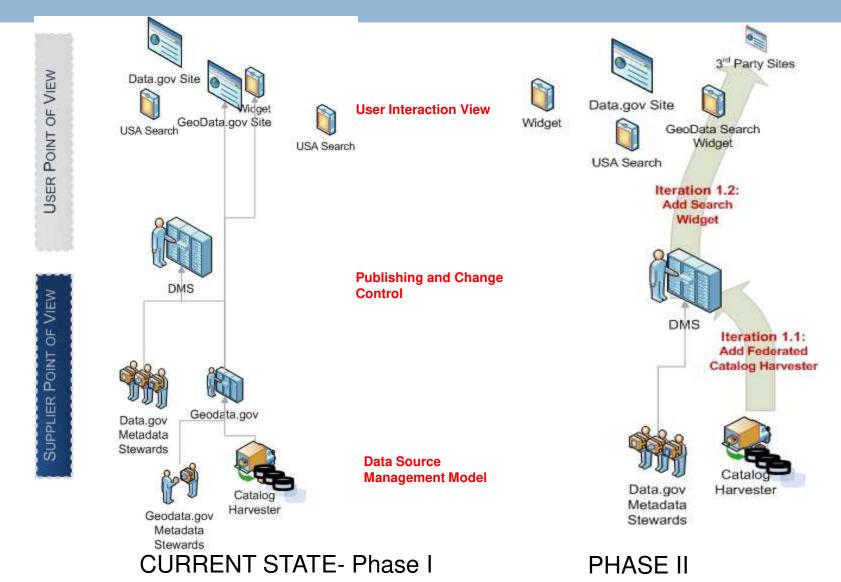


Initial platform scope – function of geodata.gov and data.gov catalog requirements. Not intended to be full geo-platform but ensure existing delivery and service needs are transitioned. Full geo-platform will follow business case
Provide "connection" and delivery improvements to geospatial datasets



Geodata.gov Implications

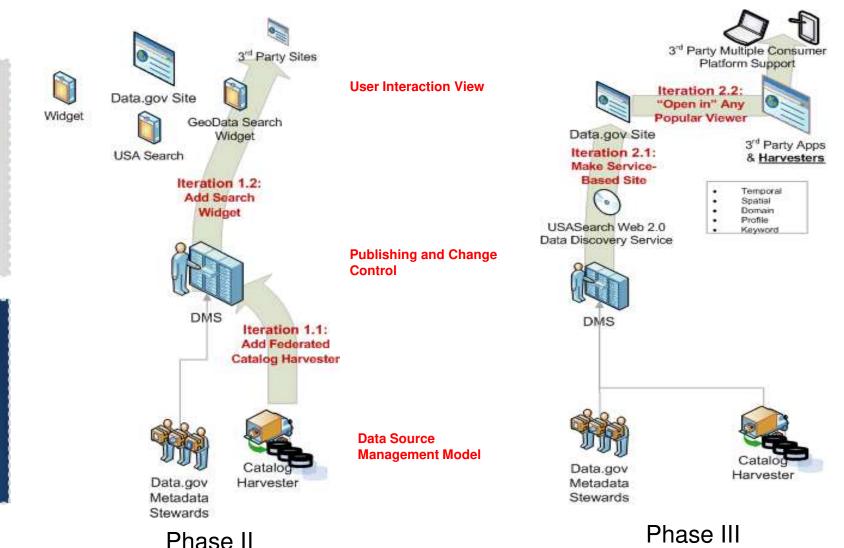
Major changes moving from Current State to Phase II - 3 - 4 months



Benefits Transition

- Reduction in number of operational sites and portals
 - The current architecture has 2 Flagship Single Sites Legacy Geodata and new data.gov.
- Aggregation: Automation and simplification for metadata publishing for Community of Supply
 - Implement automated harvester and reduce manual data management
- Discovery: Search:
 - Development of spatially smart search widget for end user environments to tap data.gov

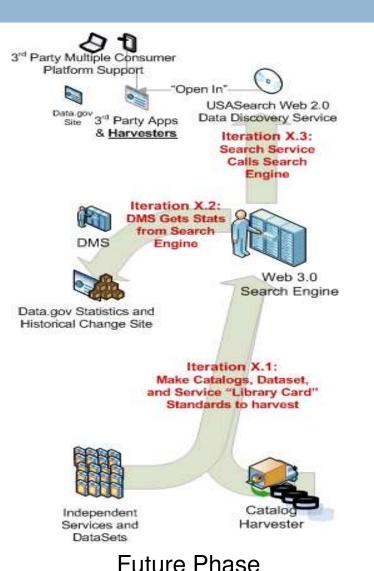
Major changes moving to Phase III 3 months



Benefits Transition to Phase III

- Enable Discovery build data.gov as a service:
 - Catalog as Data service
 - Catalog as a Map Service
 - Catalog Federated and Distributed Searches
 - Harvestable catalog to support community specific or open government environments
- Enable dataset services by creating hooks to open datasets/services in user preferred data and map viewers

Futures and Trending - Concepts



Future Benefits:

- To increase automatic and direct harvesting of suppliers contributions with mainstream search engines taking advantage of search engine:
 - Migrate Search Requirements to popular Search engines – disintermediation of the aggregated catalog model
 - Develop mining hook of search engines to store stats, links in DMS for reporting
 - Have Service call Search Engine results instead of DMS for run-time search

Discussion and Questions

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