

Coordination Group Meeting FGDC Business Highlights*

Ken Shaffer

Deputy Executive Director

*Federal Geographic Data
Committee*

April 10, 2018



*From the detailed monthly business report

Committee's Decision Summary

❖ FGDC Chair

- ❖ Dr. Tim Petty was confirmed as Assistant Secretary for Water & Science and will serve as the FGDC Chair

❖ Steering Committee membership and SC meeting

- ❖ Designation letter: To reinstitute the SC membership, a letter will be sent to member agencies through the President's Management Council to designate their Senior Agency Official for Geospatial Information (SAOGIs) to the Steering Committee.
- ❖ Next Steering Committee meeting is 6/28th

❖ 2017 Doug Nebert Award Presentation

- ❖ The 2017 Doug Nebert award will be presented to the MarineCadastre.gov team during the Steering Committee meeting on June 28th.

CG and SC Monthly Membership Changes

❖ Coordination Group

- ❖ Bureau of Land Management
 - Janet Wilkins is the new CG member replacing Don Buhler
- ❖ National Park Service
 - Jen Carlino is the CG member alternate for National Park Service
- ❖ General Service Administration (GSA)
 - Anne Nussear is the CG member alternate for GSA replacing Michael O'brien

❖ Steering Committee

- ❖ Department of Commerce
 - Tony LaVoi (NOAA) is the Senior Agency Official for Geospatial Information (SAOGI) replacing Tim Trainor
 - Deirdre Bishop (U.S. Census Bureau) is the SAOGI Alternate
- ❖ Department of Defense, National Geospatial Intelligence Agency (NGA)
 - Sammie Jackson, will attend ExCom/SC meetings on behalf of NGA

Steering Committee

- ❖ The next Steering Committee meeting will be held on June 28th
- ❖ FGDC plans to hold a SC member orientation prior to June meeting
- ❖ The Executive Committee will recommend SC action and decision on the following items:
 - NSDI Strategic Plan
 - New GeoPlatform contract approach
 - GeoPlatform funding commitment for FY2019
 - GeoPlatform funding algorithm for FY2020
 - Designation of Coordination Group members
 - Reinforce roles and responsibilities of A-16

Executive Committee

The Executive Committee held a GeoPlatform Planning Session 01/24/2018. Key actions resulting from this meeting include :

1- Use Cases: Develop use cases demonstrating utility and value of the GeoPlatform by February 9th.

- ❖ National Address Database (DOT, Census)
- ❖ Supporting Environmental Review for Infrastructure Projects (DOI)
- ❖ Shared Cloud Infrastructure Services (DOI)
- ❖ NGDA Theme Communities (FGDC)
- ❖ Disaster Response & Management (DHS)

2- Outreach & Education: Develop targeted outreach & communication plan to enable coordinated outreach to key audiences. FGDC/DOI will coordinate development of plan, with input from ExCom & FGDC agencies.

Executive Committee (cont'd)

Key actions (cont'd)

3- FGDC Engagement: Continue and expand engagement with FGDC community in the development of the next generation of GeoPlatform.gov. Activities to include:

- ❖ Monthly meetings of the ExCom
- ❖ Coordination Group/Theme Leads Planning Workshop (February)
- ❖ Dialogue and feedback from NGAC (April)

4- Master Schedule: Develop master schedule/project plan for 2018/2019 GeoPlatform activities. FGDC/DOI will coordinate development of schedule, with input from ExCom & FGDC agencies.

Executive Committee (cont'd)

- ❖ The Executive Committee met on February 26th. Key actions
 - ❖ **Steering Committee membership:** FGDC Chair to send designation letter to member agencies to reconfirm their Senior Agency Official for Geospatial Information (SAOGIs) to the Steering Committee.
 - ❖ **ExCom Roundtable Session:** ExCom members will participate in a roundtable session on April 3rd during the NGAC meeting
 - ❖ **Geospatial Platform:** ExCom members will review and provide feedback of new GeoPlatform FY 2020 Statement of Work (SOW)
- ❖ Next Executive Committee meeting on April 5th

National Geospatial Advisory Committee (NGAC) Meeting, April 3-4, 2018

❖ A separate meeting summary will follow this presentation

Coordination Group Meeting Dates

2018 FGDC CG Meeting Calendar

DATE	ROOM
4/10/2018	John Muir
5/8/2018	Kiowa Carson
6/12/2018	Rachel Carson
7/10/2018	Rachel Carson
8/14/2018	Rachel Carson
9/11/2018	Kiowa Carson
10/9/2018	Rachel Carson
11/13/2018	Rachel Carson
12/11/2018	Rachel Carson

FGDC Business Update

- ❖ NGDA Portfolio Management
- ❖ FGDC Standards Update
- ❖ President's Management Agenda
- ❖ NSDI Strategic Plan Update
- ❖ CG Theme Lead GeoPlatform Session
- ❖ FGDC Annual Report
- ❖ OGC Disaster Concept Development Study
- ❖ Geospatial Platform Contract Support Update

NGDA Portfolio Management – Status of Actions

❖ NGDA Datasets

- ❖ NGDA Dataset Reports – 100% Complete

❖ NGDA Themes

- ❖ Theme Strategic Plans – 95% Complete
- ❖ Theme Implementation Plans – 40% complete
- ❖ Theme Summary Report – 75% Complete

❖ NGDA Portfolio Management Team

- ❖ LMA Analysis and Recommendation Report – Draft in Review
- ❖ NGDA Portfolio Summary Report – Draft in Development

All Reports will be available from the NGDA Theme Community Sites

2017 Theme Report Status

Status as of 3/27/2018

Theme	Strategic Plan	Implementation Plan Oct '17	Lifecycle Maturity Assessment Reports	
			Dataset	Theme Summary
Address	Not Submitted	Draft Submitted	Not Identified	N/A
Biodiversity and Ecosystems	Complete	Not Submitted	7	Review not received
Cadastre*	Complete	Not Submitted	19	Completed
Climate and Weather	Complete	Not Submitted	5	Review not received
Cultural Resources	Complete	Complete	2	Completed
Elevation*	Complete	In Progress	12	Completed
Geodetic Control*	Complete	Complete	4	Completed
Geology	Complete	Complete	6	Review not received
Governmental Units*	Complete	Complete	40	Completed
Imagery*	Complete	Not Submitted	9	Completed
Land Use Land Cover	Complete	Not Submitted	14	Completed
Real Property	Complete	Received Draft	14	Completed
Soils	Complete	Not Submitted	5	Completed
Transportation*	Complete	Complete	16	Completed
Utilities	Complete	Not Submitted	2	Review not received
Water Inland*	Complete	Complete	5	Completed
Water Oceans and Coasts*	Complete	Not Submitted	16	Completed

* Framework Themes

Contact Lorna Schmid with any questions:
lorna@usgs.gov

NGDA Portfolio Reporting Timeline

❖ March

❖ NGDA Dataset Reports

- Updated with GeoPlatform R-11 URLs
- Ready for release

❖ NGDA Theme Summary Reports

- Updated with GeoPlatform R-11 URLs

❖ NGDA LMA Dashboard

- Released with GeoPlatform R-11
 - Reviewed Maturity Levels

❖ April

❖ Post NGDA Dataset Reports

❖ *Proposal for Next Step Approvals:*

- ❖ *Submit Completed Theme Summary Reports to CG for Review and Recommendations; Send additional completed Reports monthly*
- ❖ *Incorporate CG Comments and Recommendations into Draft LMA Analysis and Recommendation Report and Draft NGDA Portfolio Summary Report*

❖ May:

- ❖ Post Approved Reports

NGDA Theme Communities

❖ Community migration from Drupal to WordPress

- ❖ All NGDA Communities migrated
- ❖ Greater security from vulnerability and threat
- ❖ Standalone instances so no one community effects another community

❖ Next Steps

NGDA Portfolio Team and GeoPlatform Team:

- ❖ Facilitate Ease of Community Use and maintenance: Review training, tutorials, documentation, and guidance
- ❖ Determine best practices for storing and retrieval of Reports, documents and files used by communities
- ❖ Review potential tools to enhance user experience (plug-ins: calendars, blogs, etc.) and report to Theme Leads

Theme Leads:

- ❖ Work with NGDA communities to:
 - Ensure a uniform look and feel between communities
 - Maximize use of tools and practices

2018 NGDA Web Services and Metadata Project

❖ Action for Dataset Managers:

- ❖ **Update and republish NGDA metadata** to include web service end points in accordance with [NGDA Metadata Guidelines](#)
- ❖ **Query Data.gov for NGDA metadata and review:**
 - Metadata titles and alternate titles
 - Keywords and thesaurus (check that they meet Guidelines)
 - Web service end points (add and/or check for broken links and update as needed)
 - Data download (add and/or check for broken links and update as needed)

❖ NGDA Portfolio Team:

- ❖ Analyze Metadata and services and generate emails to Dataset Managers and Theme Leads documenting any actions and findings

Result: Increased discoverability with greater access to web services and data download

NGDA Inventory & POC Updates

❖ Theme Executive Champion Change

NGDA Theme		
None		

❖ Theme Lead Change

NGDA Theme	New Theme Lead	Previous Theme Lead
Land Use Land Cover	TBD	Jonathan Smith
Real Property	Aluanda R. Drain	Michael O'Brien

❖ Dataset Manager Changes

NGDA Dataset Name	Theme	New Dataset Manager	Previous Dataset Manager
None			

FGDC Standards Update

❖ **INCITS/ISO Metadata Standards**

- ❖ 19115-3:2016 Geographic information -- Metadata -- Part 3: XML schema implementation for fundamental concepts
- ❖ 19157-2:2016 Geographic information -- Data quality -- Part 2: XML schema implementation

❖ **FGDC Metadata and Standards WGs voted to recommend endorsement**

❖ **Request approval by Coordination Group**

President's Management Agenda

- Issued by OMB on March 20
- Describes long-term vision focusing on Mission, Service, and Stewardship.
- Includes 3 Key Drivers of Transformation:
 1. IT Modernization
 2. Data, Accountability and Transparency
 3. People - Workforce for the 21st Century
- Includes Cross-Agency Priority (CAP) Goals

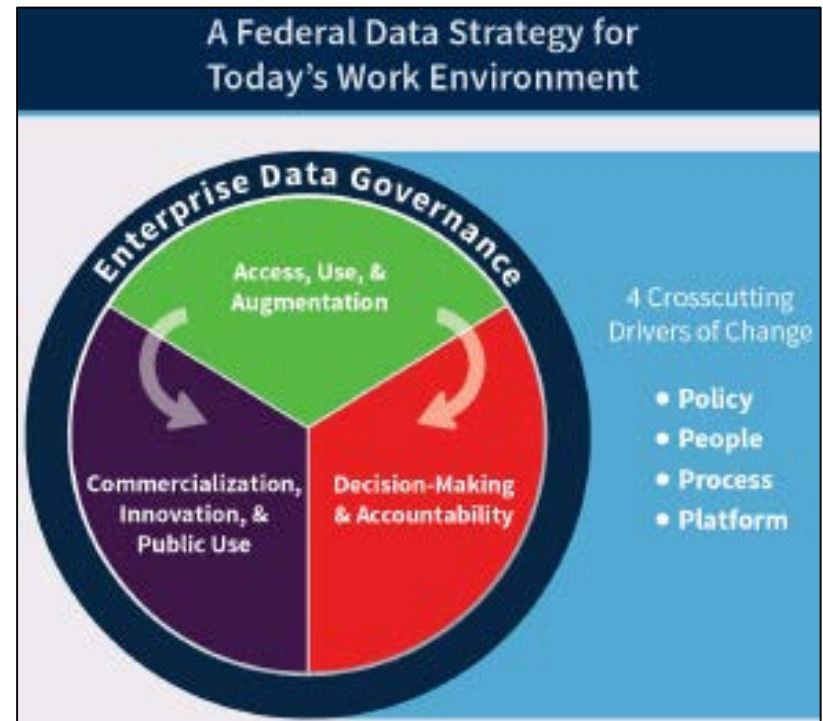


President's Management Agenda

Driver #2: Data, Accountability and Transparency

- **Strategy 1:** Enterprise Data Governance
 - *Identifies FGDC Portfolio Management as model approach for enterprise data governance*
- **Strategy 2:** Access, Use, and Augmentation
- **Strategy 3:** Decision-Making & Accountability
- **Strategy 4:** Commercialization, Innovation, and Public Use

CAP Goal: Leveraging Data as a Strategic Asset



“Platform: Develop effective governance organizations and a suite of tools and applications available across agencies that serve the needs of diverse users and facilitate data integration, exchange, and use.”

NSDI Strategic Framework – Key Elements

Key Federal Responsibilities

- **Goal 1** – Expand the Geospatial Platform
- **Goal 2** – Enhance the Management of Federal Geospatial Assets
- **Goal 3** – Update the National Geospatial Policy Framework

Partnership Opportunities

- **Strategy 1** – Focus on National Priority Data Initiatives
- **Strategy 2** – Rebrand the NSDI to Broaden Awareness and Understanding of Geospatial Community Issues
- **Strategy 3** – Address Emerging Topics



NSDI Strategic Plan – Implementation Approach

2017 Interim Implementation:

- FGDC/agency implementing goals and strategies included in NSDI Strategic Framework.
- FY 2017 FGDC Annual Report documents progress.

2018 NSDI Strategic Plan Approach:

- FGDC community will engage with new leadership to refine the framework and develop final version of NSDI Strategic Plan.
- Strategic Plan to be aligned with President's Management Agenda
- Concurrently develop more detailed implementation strategy for new NSDI Strategic Plan

Next Steps – DRAFT

Draft High-level Timeline – for discussion

Establish FGDC Core Team (ExCom + CG members)	April 2018
Develop revised draft NSDI strategy <ul style="list-style-type: none">- Review PMA- Identify points of alignment- Coordinate with FGDC leadership	June 2018
Share draft NSDI strategy with NGAC / key stakeholders	June/July 2018
Develop final NSDI strategy	Aug/Sept 2018
Develop NSDI implementation plan	Dec 2018

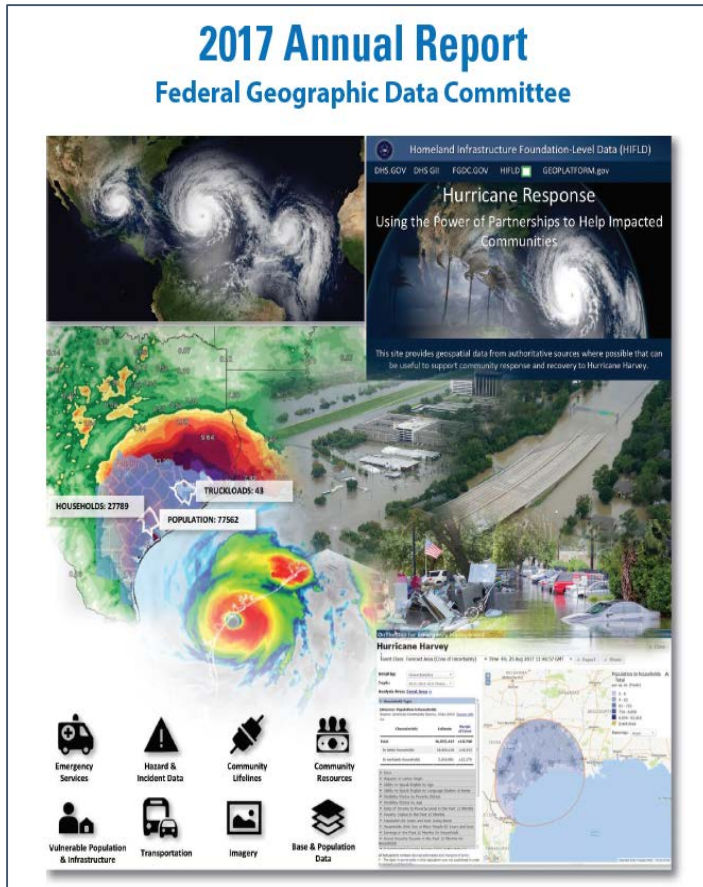
Coordination Group and Theme Lead GeoPlatform Session

February 13th, CG & Theme Leads GeoPlatform Planning Session

❖ GeoPlatform current state analysis key messages:

- All supported continuation of GeoPlatform actions and improvements
- More outreach and help on how to utilize GeoPlatform capabilities for agencies/users
- Improve search and discovery
- Utilize the marketplace, and enhance it
- Users highly supportive of cloud services
- Continue communities and drive more users to them
- Revisit National Geospatial Data Asset (NGDA) management requirements and level of effort
- Assess GeoPlatform features and communities' usage. Expand in these areas
- Improve outreach and communication, education, and user's guides
- Make GeoPlatform the resource for geospatial information

FGDC 2017 Annual Report



- ❖ Limited number of hardcopies now available!
 - ❖ To request hardcopies contact Lucia Foulkes at lfoulkes@usgs.gov
- ❖ Main story covers agencies' use of geospatial data and technology for response and recovery to last year's hurricanes
- ❖ Released in digital format (pdf) for download from FGDC website at <https://www.fgdc.gov/resources/whitepapers-reports/annual%20reports/2017link>

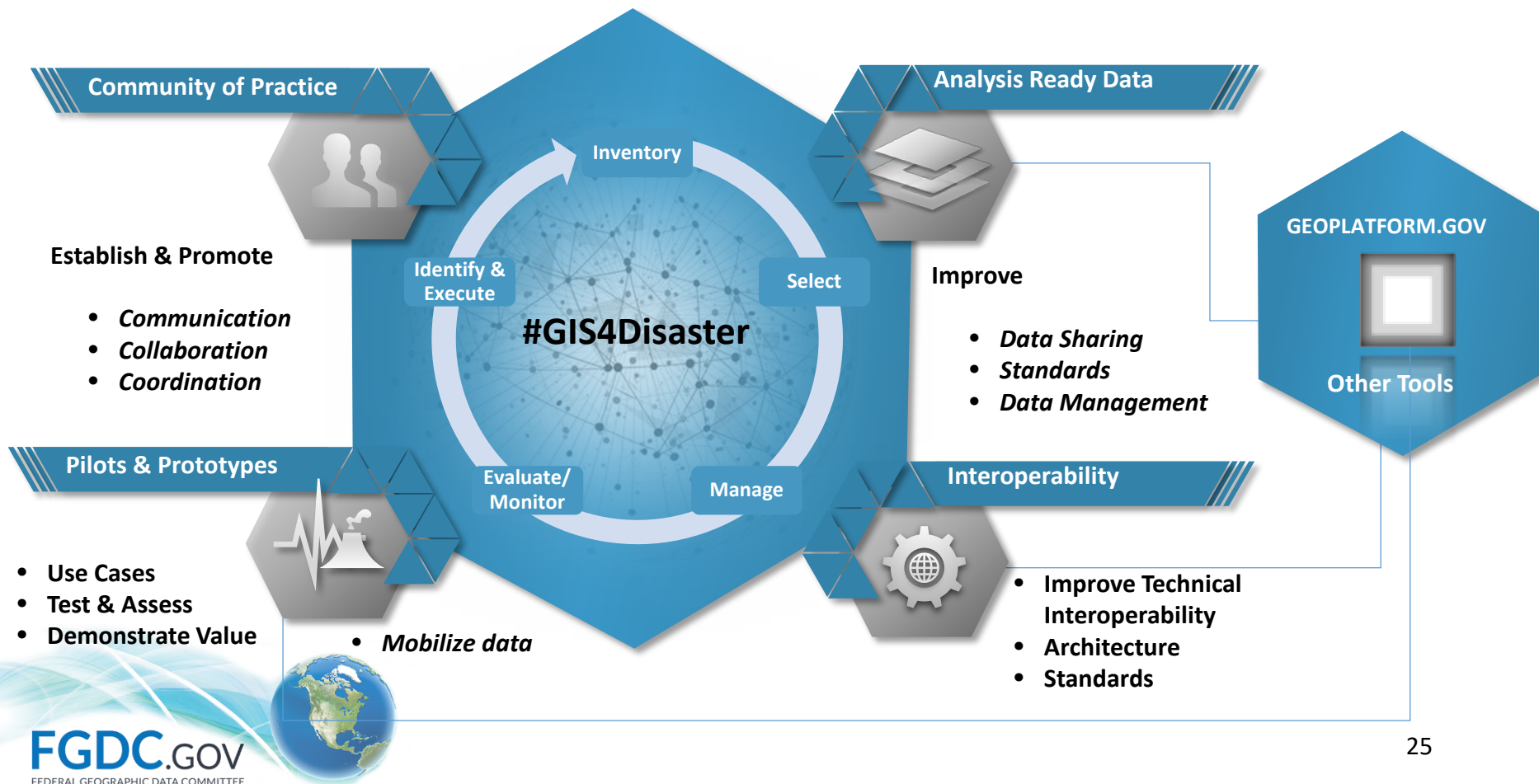
Smart Communities for Disasters Resilience

– Advancing National Preparedness, Response & Recovery

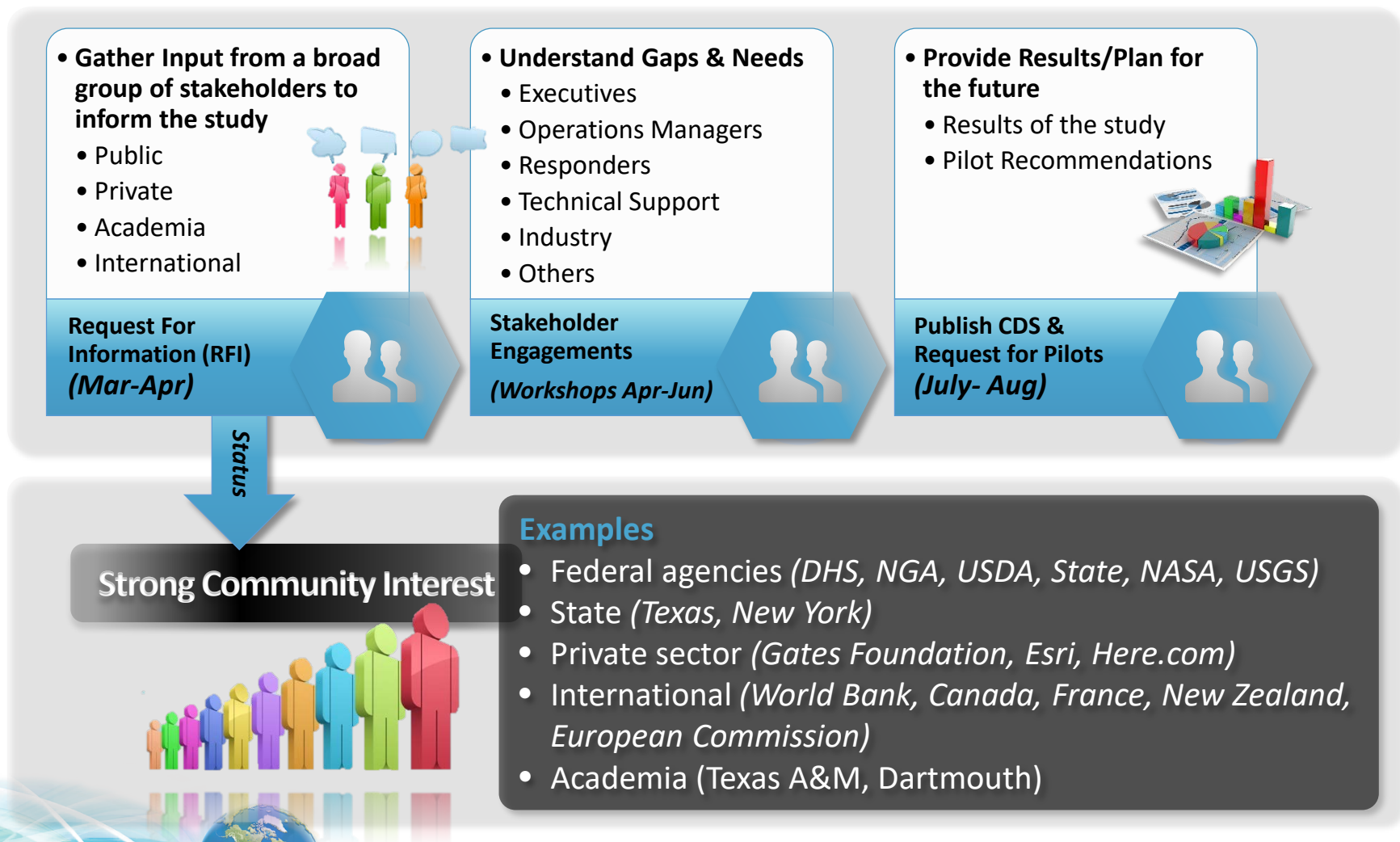


Early in 2018 initiate: Concept development study (CDS) –
Planning & information gathering phase.

2018 and beyond: Initiate pilots & use cases



Disaster CDS Framework and Timelines



Geospatial Platform Support Contract Monthly Update to Coordination Group



Technical Task Order Summary

❖ TO-13 Technical Support

❖ Support: Image Matters, Inc.

❖ Activities

- GeoPlatform.gov
 - Development – 3 planned releases of new capability
 - Operations and Maintenance
 - Community Support
 - Service Desk support
- Recent Events
 - ESIP Conference (9 Jan) – presentation of OE, KG enrichment, and Semantic Search
 - Esri Federal User Conference (20-21 March)

Contact: Tod Dabolt DOI, IOS
thomas_dabolt@ios.doi.gov

Accomplishments

- ❖ GeoPlatform Release 11 Beta-test period completed (6-14 March)
- ❖ Release 11 (R11) promoted to Production (Live!) on 18 March
- ❖ NGDA Theme Community Migration (Drupal to Wordpress), completed in January; train-the-trainer session on 3/7
- ❖ Key contacts
 - ❖ NASA (ESDIS) – biweekly TEMs; Resilience Community stood-up in Development environment; CMR integrations in planning
 - ❖ GSA (CIBORG) – updated BPA RFQ language; provided examples of GeoPlatform “Earth Observation (EO)” object and API search request
 - ❖ FEMA – disasters.geoplatform.gov community TEMs; community instance stood-up in Development environment; plan to promote to Production in April

GeoPlatform.gov - Release 11 (March 2018)

Theme: Open APIs, Toolkits, and Dynamic Communities

New Capabilities

- ❖ Initial Open API (1.0)
- ❖ Community Toolkit updates (CCB 1.2)
 - Map and Search plugins for dynamic, customized, shared resources
- ❖ Security enhancements for OAuth2 to close open IA POAMs
- ❖ Portal content refresh/ consolidation
- ❖ New community support (as needed)
- ❖ Partner driven projects/ updated taxonomies (as needed)
- ❖ O&M/ IA support (as needed)

Benefits

- ❖ Bridging across community and vendor datasets and catalogs
 - ❖ Find the right data (relevant, fit-for-use) across agencies and stovepipes
 - ❖ Open: Vendor/ technology agnostic
- ❖ Enabling Dynamic Digital Community experience
- ❖ Security and privacy enhancements
- ❖ Expanded use of context and map tradecraft for rich GeoPlatform Portfolio experience
 - ❖ Search, find, and do something

GeoPlatform.gov - Release 12 (July 2018)

Theme: Open APIs, Toolkits, Resource Utilization, & Enhanced Search

New Capabilities

- ❖ Open API (1.1)
 - incremental enhancements
- ❖ Community Toolkit updates (CCB 1.3)
 - incremental enhancements; plugins for curating dynamic, customized, shared resources
- ❖ Resource Utilization Module (1.0)
 - infrastructure and tools for collecting and reporting resource utilization metrics
- ❖ Portal content refresh/ consolidation (as needed)
- ❖ Updated taxonomies (as needed)
- ❖ New community support (as needed)
- ❖ O&M/ IA support (as needed)

Benefits

- ❖ Open solutions supporting resource sharing and collaboration
 - ❖ Open: Vendor/ technology agnostic
 - ❖ Finding the right data (relevant, fit-for-use) across agencies and stovepipes
- ❖ Improved Portfolio Management workflows
 - ❖ Streamlined metadata lifecycle management
 - ❖ Measure & improve resource utilization
- ❖ Delivering operational capability in support of partner initiatives and missions

GeoPlatform.gov – Communities

- ❖ **NGDA Theme Communities** – in Production; train-the-trainer delivered and other support materials (e.g., video tutorials) under development.
- ❖ **Tribal Nations (BIA)** – in Production (communities.geoplatform.gov/tribalnations)
- ❖ **Invasive Species (WGA)** – in Development (good progress)
- ❖ **Mississippi River Basin Science (MRBS)** – in Development
- ❖ **International Program for Human Geography (NGA)** – in Development; initial TEM and training completed; follow-up training and coordination meetings scheduled
- ❖ **WWHGD (NGA)** – candidate for migration to new Dynamic Digital Community package; requires follow-up to coordinate
- ❖ **DOI Office Emergency Management** – in Development (good progress)
- ❖ **US Group on Earth Observations (USGEO)** – planned
- ❖ **Geoplatform Customers (DOI)** – in Production (communities.geoplatform.gov/gpcustomers)
- ❖ **GeoPlatform Core Team (FGDC)** – in Production (private)
- ❖ **Resilience (NASA)** – in Development
- ❖ **Disasters (FEMA)** – in Development

Questions?