

Coordination Group Meeting FGDC Business Report

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*Federal Geographic Data
Committee*

April 10, 2018



Background

This presentation contains general update information on FGDC business activities. A list of the other agenda topics with references to their associated materials is also included. This presentation is intended as a read-ahead with only highlights of some of these activities being presented during the meeting. Questions on the included topics or content can be posed during the FGDC Business Update during the meetings.

It is the responsibility of the attendees to review the material prior to the meeting, as per CG standard operating procedures.

The general organization of the information is:

CG Agenda Items - Items on the Coordination Group (CG) agenda with references to any read-ahead materials

FGDC Committee Meeting Summaries

FGDC Business Update - Current FGDC initiatives/activities

CG Agenda Items

❖ FGDC Business Highlights

Contact: Ken Shaffer, FGDC OS

Read ahead: FGDC Business Highlights

❖ April 3-4 NGAC Meeting Summary

Contact: John Mahoney, FGDC OS

Read ahead:

❖ NDOP Subcommittee

Contact: Tim Stryker, USGS

Read ahead:

❖ HIFLD Subcommittee

Contact: Tod Dabolt, DOI; Michael Donnelly, DHS

Read ahead:

❖ Other Agency Announcements

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

- ❖ 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 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	Rachel Carson
5/8/2018	Rachel Carson
6/12/2018	Rachel Carson
7/10/2018	Rachel Carson
8/14/2018	Rachel Carson
9/11/2018	Rachel 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

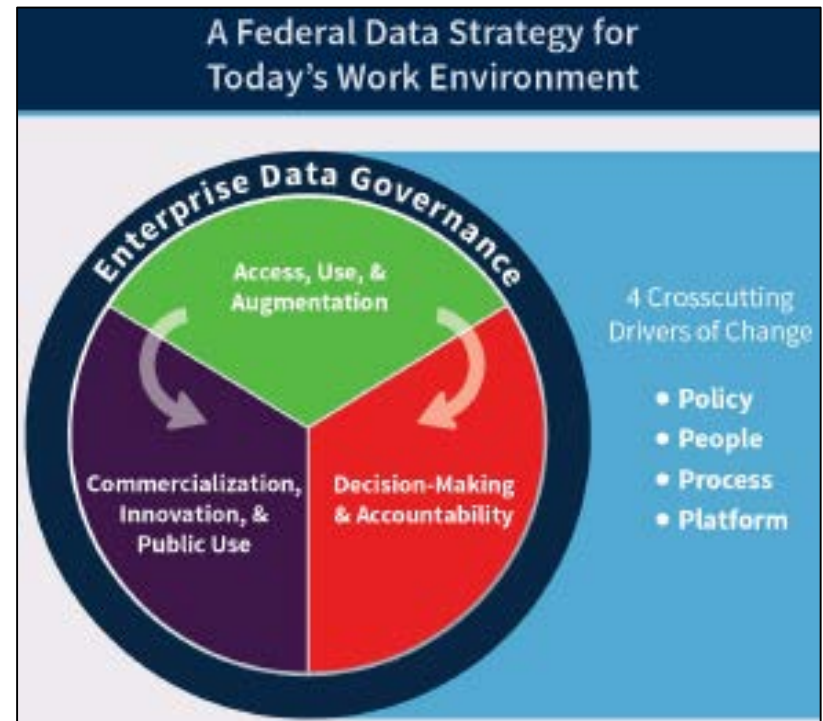


President's Management Agenda

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

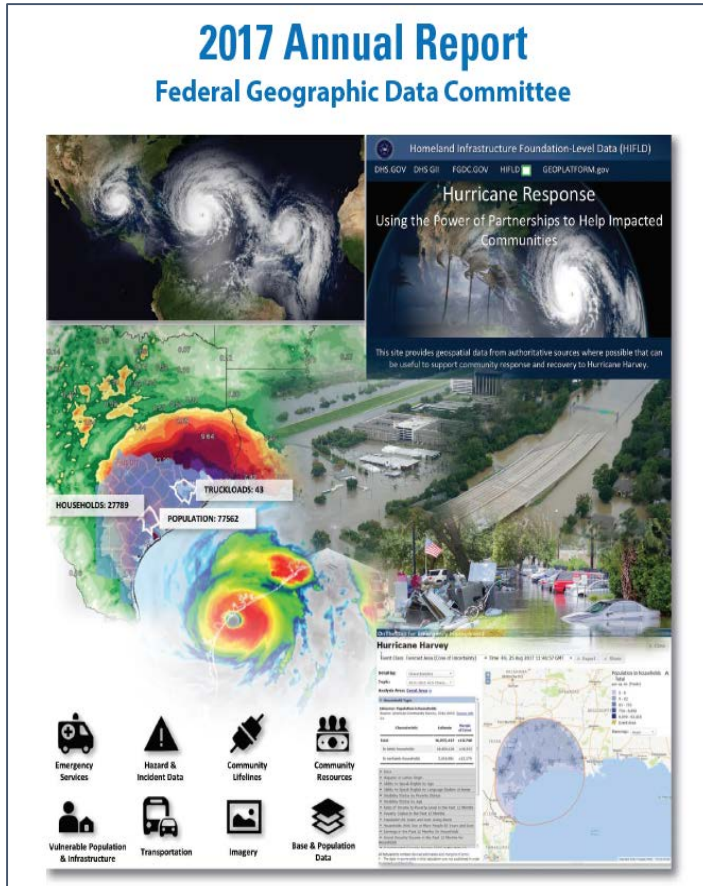
Coordination Group and Theme Lead GeoPlatform Session

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>

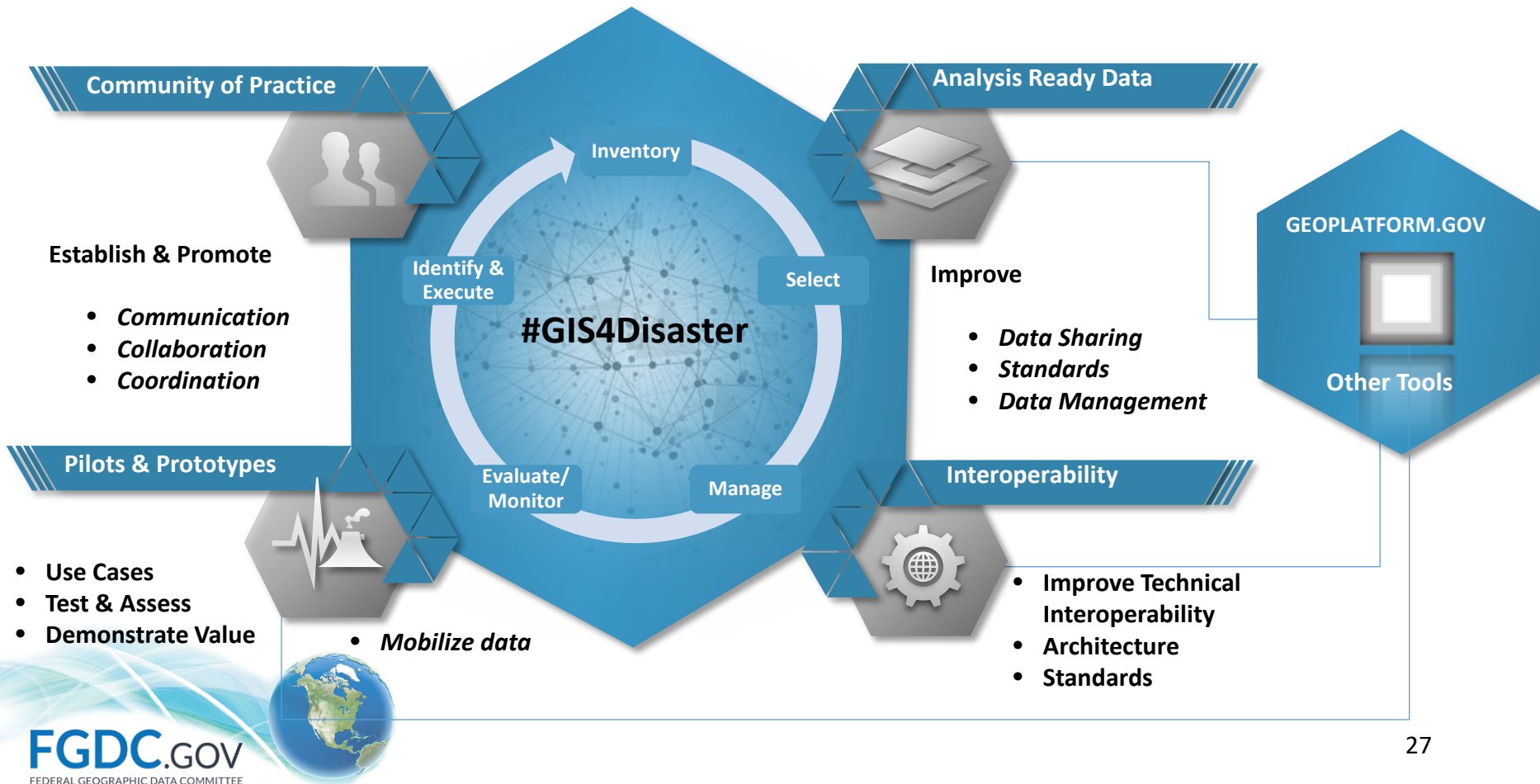
Smart Communities for Disasters Resilience

– *Advancing National Preparedness, Response & Recovery*

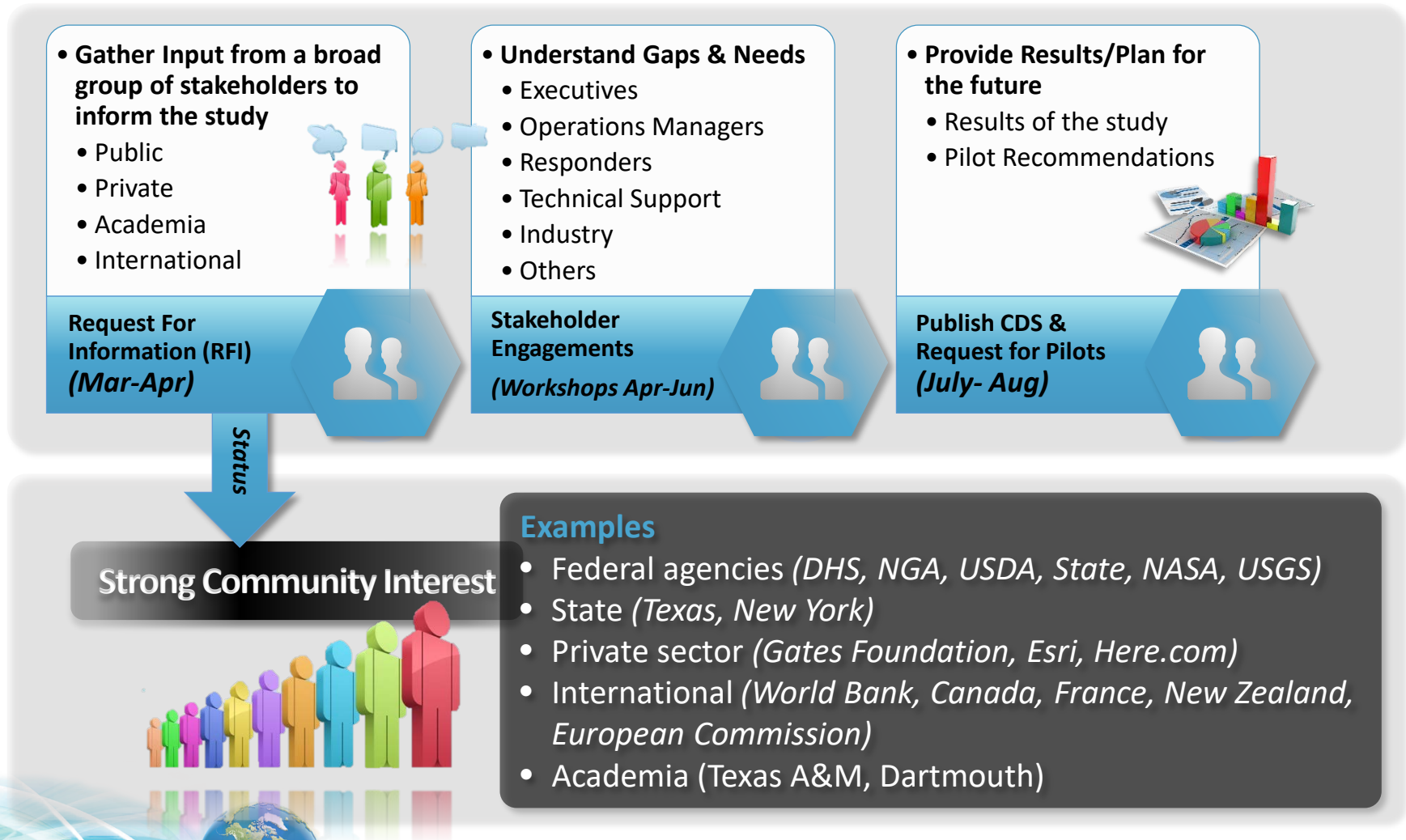


Early in 2018 initiate: Concept development study (CDS) – *Planning & information gathering phase.*

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