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

- **National Boundaries Group**
  - **Contact:** Laura Waggoner, US Census Bureau
  - **Read ahead:** National Boundaries Group Annual Report

- **3D Nation Elevation Requirements and Benefits Study, and NHDPlus HR Beta Quality Control**
  - **Contact:** Gita Urban-Mathieux, USGS
  - **Read ahead:** FGDC HydroVolunteer-3DNationSurvey 10032017

- **Geospatial Platform PMO Activities Update**
  - **Contact:** Janet Hoyt, FGDC PMO
  - **Read ahead:** Geospatial Platform Support Contract Monthly Update

- **Other Agency Announcements**
Committee’s Decision Summary

- The Executive Committee agreed that starting the discussions on revising OMB Circular A-16 should wait until after the budget and new leadership and members are in place.
CG and SC Monthly Membership Changes

- No changes this month.
Steering Committee

- The next Steering Committee meeting will be held once designation of the new FGDC leadership and redesignation of Steering Committee membership is in place.
- The Executive Committee will continue to provide committee leadership in the interim.
Executive Committee

The Executive Committee will meet on October 18th. Agenda Topics include:

- Geospatial Data Act of 2017
- Geospatial Platform
- Address Theme and National Address Database (NAD)
- Recent Hurricane Response
- NGAC Meeting Update
Summary of Sept. 6-7, 2017 NGAC Meeting
NGAC Membership – September 2017

Ms. Julie Sweetkind-Singer (Chair)
Stanford University

Mr. Keith Masback (Vice-Chair)
U.S. Geospatial Intelligence Foundation

Dr. David Alexander
Department of Homeland Security

Mr. Frank Avila
National Geospatial-Intelligence Agency

Dr. Sarah Battersby
Tableau Software

Mr. Talbot Brooks
Delta State University

Mr. Gar Clarke
State of New Mexico

Mr. Garet Couch
National Tribal GIS Center

Ms. Patricia Cummens
ESRI

Mr. Stuart Davis
State of Ohio

Mr. Matthew Gentile
Deloitte Financial Advisory Services, LLP

Mr. Frank Harjo
Muscogee (Creek) Nation

Mr. Xavier Irias
East Bay Municipal Utility District

Ms. Roberta Lenczowski
Roberta E. Lenczowski Consulting, LLC

Mr. Roger Mitchell
MDA Information Systems, Inc.

Ms. Rebecca Moore
Google, Inc.

Mr. Kevin Pomfret
Centre for Spatial Law and Policy

Dr. Laxmi Ramasubramanian
Hunter College, City University of NY

Major General William N. Reddel III
New Hampshire National Guard

Dr. Carl Reed
Carl Reed and Associates, LLC

Ms. Amber Reynolds
City of Topeka, KS

Dr. Douglas Richardson
Association of American Geographers

Mr. Cy Smith
State of Oregon

Ms. Rebecca Somers
Somers-St. Claire GIS Consultants

Ms. Jennie Stapp
State of Montana

Dr. Harvey Thorleifson
Minnesota Geological Survey

Mr. Jason Warzinik
Boone County, MO

Dr. May Yuan
University of Texas – Dallas
Sept 2017 NGAC Meeting – Agenda

• Leadership Dialogue
• FGDC Report
• Federal Program Updates:
  • National Address Database
  • International Activities (US-GEO, GEOSS, UNGGIM)
  • 3D Elevation Program / USGS Hydrography Program
  • Geospatial Platform Update/Demo
• NGAC Subcommittee Sessions:
  • Landsat Advisory Group
  • Geospatial Technology & Infrastructure
  • Cultural & Historical Geospatial Resources
  • Data as Services
• Public Comment Period
• Lightning Sessions
FGDC Activities

Leadership discussion with Kerry Rae (DOI).

Dialogue on Federal Geospatial Activities:

- Transition activities
- Infrastructure initiatives
- Geospatial Data Act
- NSDI Strategic Framework
Federal Program Updates

National Address Database:
- Update from Steve Lewis (DOT) & Tim Trainor (Census).
- NGAC has provided extensive input on development of the NAD and looks forward to continued progress.

National Geospatial Program:
- Update from Vicki Lukas (USGS) on 3DEP and Hydrography programs.
- USGS may ask for NGAC feedback in 2018.

FGDC International Activities:
- Overview from Ivan Deloatch and Tim Trainor (Census) on international activities including US-GEO, AmeriGEOSS, and UNGGIM.

GeoPlatform:
- Update and demo from Tod Dabolt (DOI) on recent and upcoming GeoPlatform activities.
Landsat Advisory Group

Membership:

- NGAC Members: Frank Avila (Chair), Roberta Lenczowski (Vice Chair), Rebecca Moore, Kevin Pomfret
- Non-NGAC Members: Peter Becker, Steven Brumby, Joanne Gabrynowicz, Kass Green, Walter Scott

Tasks: LAG study topics for 2017/2018 include the following:

1. Possible architectures for future missions.
2. Temporal data cubes. Temporal data cubes to support projection or ‘forecast’ models of land change trends.
3. Fee recovery options for Landsat data.

Next Steps:

- Task 1 Action: Provide draft paper to NGAC prior to December 2017 NGAC meeting
- Task 2 Action: Provide interim report to NGAC prior to December 2017 NGAC meeting
- Task 3 Action: Draft proposed initial report by December 2017
Geospatial Technology & Infrastructure

Membership:
- Cy Smith (Chair), Keith Masback (Vice Chair), Talbot Brooks, Pat Cummens, Matt Gentile, Xavier Irias, Roger Mitchell, Carl Reed, Amber Reynolds

Task: Develop products describing how geospatial technology, tools, and information can help drive smart decision-making on infrastructure priorities and investments, including:
- Mapping and understanding infrastructure needs.
- Working smarter in designing and executing projects.
- Tracking, monitoring, and communicating results.

Next Steps:
- ACTION: Subcommittee will draft infrastructure document, to be submitted to NGAC prior to December NGAC webinar meeting
Data As Services

Membership:
  • David Alexander (Chair), Sarah Battersby (Vice Chair), Stu Davis, Gen. William Reddel, Rebecca Somers, Jennie Stapp, Harvey Thorleifson, Jason Warzinik, May Yuan

Task: Provide advice and recommendations addressing current and future needs for data as services from Federal data repositories that provide online data access (GeoPlatform, Data.gov, etc.). Include documentation of user needs and recommendations regarding formats and standardization for users.

Next Steps:
  • ACTION: Develop draft position paper by April 2018
  • ACTION: Provide draft final position paper to NGAC by September 2018
Cultural & Historical Geospatial Resources

- **Membership:**
  - Garet Couch (Chair), Frank Harjo (Vice Chair), Laxmi Ramasubramanian, Doug Richardson, Gar Clarke

- **Task:** Collaborate with the FGDC Cultural Resource Subcommittee to provide advice and feedback on policies and procedures to protect geospatial data assets that have cultural and historical significance. May include reviewing agency policies and procedures currently in place regarding cultural and historical geospatial data – both in terms of data security and data sharing – to identify best practices and model approaches.

- **Next Steps:**
  - **ACTION:** Subcommittee will develop best practices document to be completed in 2018.
NGAC Points of Contact

NGAC has designated POCs for several key ongoing geospatial programs & initiatives. POCs will coordinate with FGDC and program leads to keep NGAC members updated on key program activities, as needed. POCs are as follows:

<table>
<thead>
<tr>
<th>Initiative</th>
<th>NGAC POC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geospatial Platform</td>
<td>May Yuan</td>
</tr>
<tr>
<td>NSDI Strategic Plan</td>
<td>Jennie Stapp</td>
</tr>
<tr>
<td>NGDA Management Plan</td>
<td>Amber Reynolds</td>
</tr>
<tr>
<td>3DEP</td>
<td>Jason Warzinik</td>
</tr>
<tr>
<td>USGS Hydro</td>
<td>Harvey Thorleifson</td>
</tr>
<tr>
<td>National Address Database</td>
<td>Cy Smith</td>
</tr>
<tr>
<td>Imagery</td>
<td>Bobbi Lenczowski / Frank Avila</td>
</tr>
<tr>
<td>Workforce &amp; Education</td>
<td>Talbot Brooks</td>
</tr>
</tbody>
</table>
Lightning Talks

- **Government & Public Safety UAS** – Jason Warzinik
- **National Geologic Mapping** – Harvey Thorleifson
- **Geospatial Aspects of Emergency Response / Oroville Dam** – Xavier Irias
- **DHS First Responders Group** – David Alexander
- **TRELIS-GS Program** – Sarah Battersby/ Laxmi Ramasubramanian
- **Prime Meridians** – Julie Sweetkind-Singer
- **AmericaView Update** – Roberta Lenczowski
- **DHS Flood APEX Overview** – David Alexander
Next Steps

• Subcommittees meet to address guidance and develop draft products.

Next NGAC meeting:
• December 11, 2017 webinar meeting, 1:00 – 4:30 pm EST
Coordinator Group Meeting Dates

2017 FGDC CG Meeting Calendar

- November 14, 2017 DOI Rachel Carson Room
- December 12, 2017 DOI Rachel Carson Room
FGDC Business Update

- New DOI Leadership Briefing
- NGDA Portfolio Management
- NSDI Strategic Planning
- FGDC Standards Update
New DOI Leadership Briefing

- Andrea Travnicek, Ph.D – Acting Assistant Secretary for Water & Science
- FGDC OS and GeoPlatform Managing Partner briefing on FGDC and GeoPlatform
- Provide background, overview, current activities, actions
- Dr. Travnicek will also be attending the Executive Committee meeting
National Geospatial Data Asset (NGDA) Portfolio Management

Jen Carlino
FGDC OS
October 3, 2017
NGDA Portfolio Management - Current Activities

Theme Implementation Plans Progress Report due Oct. 31

- Upcoming reporting period March - September 2017
- Still have several outstanding to be completed for October 2016 – September 2017
- Will be posted on public Geoplatform Theme community
- Goal to review activities and progress across Themes going forward to advance portfolio management

<table>
<thead>
<tr>
<th>Theme</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>To be determined</td>
</tr>
<tr>
<td>Biodiversity and Ecosystems</td>
<td>In Progress (Draft)</td>
</tr>
<tr>
<td>Cadastre*</td>
<td>Completed</td>
</tr>
<tr>
<td>Climate and Weather</td>
<td>In Progress</td>
</tr>
<tr>
<td>Cultural Resources</td>
<td>Completed</td>
</tr>
<tr>
<td>Elevation*</td>
<td>In Progress (Draft)</td>
</tr>
<tr>
<td>Geodetic Control*</td>
<td>Completed</td>
</tr>
<tr>
<td>Geology</td>
<td>Extension</td>
</tr>
<tr>
<td>Governmental Units*</td>
<td>Completed</td>
</tr>
<tr>
<td>Imagery*</td>
<td>Completed</td>
</tr>
<tr>
<td>Land Use Land Cover</td>
<td>Completed</td>
</tr>
<tr>
<td>Real Property</td>
<td>To be determined</td>
</tr>
<tr>
<td>Soils</td>
<td>In Progress</td>
</tr>
<tr>
<td>Transportation*</td>
<td>Completed</td>
</tr>
<tr>
<td>Utilities</td>
<td>In Progress</td>
</tr>
<tr>
<td>Water Inland*</td>
<td>Completed</td>
</tr>
<tr>
<td>Water Oceans and Coasts*</td>
<td>In Progress</td>
</tr>
</tbody>
</table>

Status as of 9/26/17
NGDA Portfolio Management - Current Activities

- A-16 Communities will transition from Drupal to WordPress in fall 2017. Imagery Theme prototype:
2017 Lifecycle Maturity Assessment – Next Steps

October
- Generate NGDA Dataset Reports (DSR) for internal review
- Analyze 2017 LMA results
- Finalize template and generate Theme Summary Reports for internal review
- Develop Portfolio Summary Report template

November
- Finalize 2017 LMA Analysis and Recommendation Report
- Update LMA Dashboard
- Release Dataset/Theme Summary Reports
- Develop Portfolio Summary Report for review
2017 NGDA Theme Summary Report Template

- Updated template based on 7/25/2017 review
- New for 2017: FY17 Progress Related to Theme Strategic Plan Goals and Objectives

NGDA Dataset List with Metadata Link
NGDA Rollup Information
NGDA LMA Rollup Information
Strategic Plan Info
Goals And Objectives Status
NGDA LMA Dashboard

- GeoPlatform team is considering filter option approach for potential implementation to see multiple years, based on Theme Lead input.
- Should be released in November 2017 (Release 10).

Example: Display All Years of NGDA Assessments for Theme Biodiversity and Ecosystems and Organization DOI-USGS.
NGDA Inventory Updates

- No Changes
COGO Report Card Update

- Second Report Card has been initiated; completion in 2018. Will review framework Themes (plus Address) and NSDI status.
  - FGDC briefing for COGO on NGDA process – June 5
  - COGO has identified Theme review teams; FGDC has identified POCs for framework Themes
  - COGO reached out to Imagery Theme on NAIP and USGS High Resolution Orthoimagery 9/15
  - Water-Inland Theme briefing 8/18
  - Next step: other Theme-specific briefings for COGO review teams – to be determined
Topics

- FGDC
- Open Geospatial Consortium (OGC)
- Questions & contact information

Standards Suites for SDIs
  Resolved ~90 comments
  Prepared revised draft

Proposals for FGDC endorsement of external standards (next slide)
Proposals for FGDC endorsement of external standards

- OGC Web Coverage Service (WCS) 2.0 + extensions, with retirement of WCS 1.1.2
- OGC Web Processing Services (WPS) 2.0 [14-065], with confirmation of WPS 1.0.0
- OGC GML 3.3 [10-129r1], with confirmation of GML 3.2.1
- OGC Geography Markup Language (GML) simple features profile (with Corrigendum) (2.0) [10-100r3]
- OGC KML 2.3 [12-007r2], with confirmation of OGC KML 2.2.1
- OGC Filter Encoding (FE) 2.0.2 [09-026r2], with retirement of FE 1.1
- OGC GeoPackage 1.1 [12-128r12], with retirement of OGC GeoPackage 1.0, which has been deprecated
- OGC Web Services Context Document (OWS Context) 1.0 [12-080r2] and Atom Encoding standard 1.0 [12-084r2], with retirement of OGC Web Map Context
INCITS L1/U.S. TAG

Updates to ISO projects since August 29, 2017 CG meeting

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
<th>Status</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>ISO 19160-4 Addressing -- Part 4: International postal address components and template languages</td>
<td>Defines key terms for postal addressing, postal address components and constraints on their use.</td>
<td>Under publication</td>
<td>2017-09-25</td>
</tr>
</tbody>
</table>

- Census and others have developed a profile of ISO 19160-1:2015, Addressing -- Part 1: Conceptual model, for the FGDC-endorsed U.S. Thoroughfare, Landmark, and Postal Data Standard.
- This profile conforms to ISO 19160-1 core and address documentation conformance classes.
OGC

Topics

❖ The OGC met September 11-15, 2017 in Southampton, UK
❖ Newly published standards
❖ Approval for electronic vote
❖ Other
Newly published standards

- GeoRSS [OGC17-002r1],
  http://docs.opengeospatial.org/cs/17-002r1/17-002r1.html

- OGC GeoPackage 1.2 [OGC12-128r14],
  https://portal.opengeospatial.org/files/12-128r14

- Spatial Data on the Web Best Practices [OGC15-107r1],
  https://www.w3.org/TR/sdw-bp/

- Search engines (e.g. Google) are not intended to replace metadata catalogues for search and discovery; rather, the two complement each other.
Approval for electronic vote

- Web Processing Service (WPS) 2.0.2 [OGC 14-065r1] as a bug fix to WPS 2.0
- OGC Web Coverage Services (WCS) 2.0 Interface Standard – Earth Observation Application Profile [OGC 10-140r2]
Other

- WCS 2.1: Roll out extensions for Trajectories for aviation and General Regularly-distributed Information in Binary form (GRIB2)
- Web Service Common: Review and analyze change requests
- Quality of Service (QoS)
  - Identify QoS metrics. The key factor for improving QoS is to constantly measure QoS using well-defined and consistent metrics.
  - Develop OGC Best Practice for providing QoS metadata for OGC Web Services
  - Prepare OGC Discussion paper for ensuring Quality of Experience (QoE) for users of OGC Web Services
Questions