

# Coordination Group Meeting FGDC Business Highlights\*

*Ken Shaffer*

*Deputy Executive Director*

*Federal Geographic Data  
Committee*

*December 12, 2017*



\*From the detailed monthly business report

# Committee's Decision Summary

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- ❖ Andrea Travnicek, Ph.D., Acting Assistant Secretary for Water & Science will serve as acting FGDC Chair
- ❖ The Executive Committee held a workshop December 12<sup>th</sup> to discuss the future direction of the Geospatial Platform.

# CG and SC Monthly Membership Changes

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## ❖ Coordination Group

### ❖ Forest Service

- Carol Spurrier, Ecologist, Forest and Range Management and Vegetation, is the CG member alternate replacing Marianne Burke.

### ❖ General Service Administration

- Michael O'Brien is the CG member alternate for the General Service Administration (GSA)

## ❖ Steering Committee

- Carolyn Austin Diggs, Principal Deputy to the Deputy Associate Administrator, is the new SAOGI for GSA replacing Aluanda Drain.

# Steering Committee

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- ❖ 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

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- ❖ The Executive Committee held a session on December 12<sup>th</sup> to discuss the future direction of the Geospatial Platform.
- ❖ Objectives of the workshop
  - Assess the current state and value of the GeoPlatform
  - Develop a shared commitment to address problems, mitigate threats, and leverage strengths and opportunities
  - Identify short-term & mid-term actions for moving forward

# December 11 NGAC Webinar Meeting

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❖ Monday, Dec 11, 1:00 – 4:30 pm EST

❖ Agenda Topics:

- FGDC Updates
- Subcommittee Reports:
  - Landsat Advisory Group
  - Infrastructure
  - Data as a Service
  - Cultural/Historical Resources
- Public Comment Period
- Discussion – Potential future study topics

# Landsat Advisory Group

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## ❖ 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 Landsat missions.
2. Temporal data cubes.
3. Fee recovery options for Landsat data.

## ❖ Next Steps:

- **Task 1 Action:** Status report on Task 1 paper at Dec. NGAC meeting (final paper by April 2018)
- **Task 2 Action:** Provide interim draft Task 2 report to NGAC for comment at Dec. NGAC meeting. NGAC Comments due by Jan. 19. (final paper by April 2018)
- **Task 3 Action:** Provide Task 3 status report at Dec. NGAC meeting (final paper by April 2018)

# Geospatial Technology & Infrastructure

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## ❖ Membership:

- Cy Smith (Chair), Keith Masback (Vice Chair), Talbot Brooks, Pat Cummins, 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:** NGAC approved infrastructure paper at Dec. NGAC meeting, pending minor editorial and formatting changes.

# Data as a Service

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## ❖ 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:** Provide status report at Dec. NGAC meeting.
- **ACTION:** Provide suggestions on panelists and use cases by Jan. 11.
- **ACTION:** Develop draft paper by April 2018. Provide draft final paper to NGAC by September 2018

# Cultural & Historical Geospatial Resources

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## ❖ Membership:

- Gareth 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:** Provide status report at Dec. NGAC meeting.
- **ACTION:** Subcommittee/FGDC will draft introductory letter to be sent to interview subjects.
- **ACTION:** Subcommittee will develop best practices document to be completed in 2018.

# 2018 NGAC Meeting Schedule

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- ❖ **April 3-4** Department of the Interior
- ❖ **June 26-27** Department of the Interior
- ❖ **September 5-6** National Conservation Training Center
- ❖ **December 2018** Webinar meeting (date TBD)

# Coordination Group Meeting Dates

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## 2018 FGDC CG Meeting Calendar

DATE	ROOM
1/9/2018	Rachel Carson
2/13/2018	Rachel Carson
3/13/2018	Rachel Carson
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

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- ❖ NGDA Portfolio Management
- ❖ COGO Report Card
- ❖ Geospatial Platform Support Contract Update

# Theme Implementation Plan Status

❖ **Most Important:**  
Progress Report Tables  
will be inserted into  
Theme Summary  
Reports

❖ *Current Template*

❖ *Please reach out for  
assistance!*

❖ Theme Implementation  
Plans to be posted on  
public GeoPlatform  
Theme communities

❖ ***Status as of 11/29/2017***

Theme	TIP Status	Progress Table
Address	New Theme	Not Submitted
Biodiversity and Ecosystems	v1 – Not Submitted	Not Submitted
Cadastre*	v2 – Not submitted	Not Submitted
Climate and Weather	v1 – Not submitted	Not Submitted
<b><u>Cultural Resources</u></b>	<b>V2-ONLINE</b>	Submitted
Elevation*	v1 – Not submitted	Submitted
Geodetic Control*	v2 - Submitted	Submitted
Geology	v1 – Not submitted	Submitted
Governmental Units*	v2 - Submitted	Submitted
Imagery*	v1 – Not Submitted	Not Submitted
Land Use Land Cover	v1 – Not Submitted	Not Submitted
Real Property	NEW – In Progress	Not Submitted
Soils	v1 – Not Submitted	Not Submitted
Transportation*	v2 - Submitted	Submitted
Utilities	v1 – Not Submitted	Not Submitted
Water Inland*	v2 - Submitted	Submitted
Water Oceans and Coasts*	v1 – Not Submitted	Submitted



# 2017 LMA Dataset, Theme Summary & Dashboard Timeline:

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## ❖ **November**

- ❖ Dataset Reports:
  - Finalize template and generate reports
- ❖ Theme Summary Report
  - Update Template
- ❖ Dashboard Review
  - Validated DSR Data with Dashboard
  - Reviews complete
- ❖ Finalize Temporal Changes in LMA Webpage

## ❖ **December** - Generate Draft TSRs for TLs to communicate with CG Members

## ❖ **January 2018**

- ❖ FGDC OS Request Coordination Group approval

## ❖ **Feb 2018**

- ❖ Adjudicate Comments from CG
- ❖ FGDC OS Request Steering Committee approval

# 2017 LMA Analysis & Recommendation Report and Portfolio Summary Report Timeline

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## ❖ **November – December**

- ❖ LMA Analysis and Recommendation Report (LMA A&R): Finalize draft report before Christmas

## ❖ **January – February:**

- ❖ LMA A&R -- Review by Dataset Managers, Theme Leads Coordination Group and Steering Committee
- ❖ Portfolio Summary Report (PSR): Develop template

## ❖ **Feb – April:**

- ❖ PSR: Review by Theme Leads, Dataset Managers, Coordination Group and Steering Committee
  - We hope to shorten this timeline, but it will depend on comments

# 2018 NGDA Web Services and Metadata Project

**Action for Dataset Managers:** Update NGDA metadata to include web service end points and ensure that your Theme and NGDA are in your keywords according to the [NGDA Metadata Guidelines](#)

**Result:** Upload web services to GeoPlatform.gov for discoverability and use

## When?

- ❖ January 2018 - Harvest NGDA Metadata Kick-off
- ❖ Similar exercise conducted in July 2017

**How?** Query data.gov for NGDA metadata and capture:

- ❖ Metadata type
- ❖ Metadata titles (title, Alternate title)
- ❖ Keywords and thesaurus
- ❖ Web service end points

***Reach out if you have Questions!***

# COGO Report Card Update

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- ❖ First COGO [Report Card on the NSDI](#) completed in 2015. Provided evaluation of framework Themes and overall NSDI status.
- ❖ Second Report Card has been initiated; completion in 2018. Will review framework Themes (plus Address) and NSDI status.
  - FGDC staff has met with COGO leadership
  - FGDC briefing for COGO on NGDA process (6/5)
  - COGO has identified Theme review teams; FGDC has identified POCs for framework Themes
  - COGO is currently conducting theme-level reviews. Theme reviews will be combined into consolidated COGO report.

# COGO Report Card – Contact List

Theme	COGO Report Card Teams	FGDC Theme Contacts
<b>Address</b>	Tony Simental (GISCI) <a href="mailto:Tony.A.Simental@wv.gov">Tony.A.Simental@wv.gov</a> Dan Goldberg (UCGIS) <a href="mailto:Daniel.goldberg@tamu.edu">Daniel.goldberg@tamu.edu</a> Martha Wells (URISA) <a href="mailto:mwells@spatialfocus.com">mwells@spatialfocus.com</a> Katherine Cargo (URISA) <a href="mailto:KCargo@911nola.org">KCargo@911nola.org</a>	Lynda Liptrap (Census) <a href="mailto:lynda.a.liptrap@census.gov">lynda.a.liptrap@census.gov</a> Steve Lewis (DOT) <a href="mailto:steve.lewis@dot.gov">steve.lewis@dot.gov</a>
<b>Cadastre</b>	Dan Fasteen (IAAO) <a href="mailto:Daniel.Fasteen@CO.Dakota.MIN.US">Daniel.Fasteen@CO.Dakota.MIN.US</a> Shelby Johnson (NSGIC) <a href="mailto:shelby.johnson@arkansas.gov">shelby.johnson@arkansas.gov</a> Ed Crane (URISA) <a href="mailto:ecrane1949@gmail.com">ecrane1949@gmail.com</a>	Don Buhler (BLM) <a href="mailto:dbuhler@blm.gov">dbuhler@blm.gov</a> Bob Ader (BLM) <a href="mailto:bader@blm.gov">bader@blm.gov</a>
<b>Elevation</b>	Amar Nayegandhi (ASPRS) <a href="mailto:anayegandhi@dewberry.com">anayegandhi@dewberry.com</a> Thomas Meyer <a href="mailto:thomas.meyer@uconn.edu">thomas.meyer@uconn.edu</a>	Ashley Chappell (NOAA) <a href="mailto:ashley.chappell@noaa.gov">ashley.chappell@noaa.gov</a> Diane Eldridge (USGS) <a href="mailto:deldridge@usgs.gov">deldridge@usgs.gov</a>
<b>Geodetic Control</b>	Doug Vandegraft (CaGIS) <a href="mailto:douglas.vandegraft@boem.gov">douglas.vandegraft@boem.gov</a> Robert Holiday (NSGIC) <a href="mailto:RHoliday@mt.gov">RHoliday@mt.gov</a> Bishwa Acharya <a href="mailto:bishwa@earthmapping.com">bishwa@earthmapping.com</a>	Dan Roman (NOAA) <a href="mailto:dan.roman@noaa.gov">dan.roman@noaa.gov</a>
<b>Gov. Units</b>	Hunter Key (URISA) <a href="mailto:hkey@crc.ga.gov">hkey@crc.ga.gov</a> Nancy Von Meyer (URISA) <a href="mailto:nancy@fairview-industries.com">nancy@fairview-industries.com</a>	Dierdre Bevington-Attardi (Census) <a href="mailto:Dierdre.Bevington.Attardi@census.gov">Dierdre.Bevington.Attardi@census.gov</a> Laura Waggoner (Census) <a href="mailto:laura.l.waggoner@census.gov">laura.l.waggoner@census.gov</a> Bob Pierce (USGS) <a href="mailto:rrpierce@usgs.gov">rrpierce@usgs.gov</a>
<b>Water-Inland &amp; Water Oceans and Coasts (Hydrography)</b>	Thomas Newman (MAPPS) <a href="mailto:tnewman@terrasond.com">tnewman@terrasond.com</a> Zsolt Nagy (MAPPS) <a href="mailto:zsolt.nagy@aecom.com">zsolt.nagy@aecom.com</a> Troy Blanford (NSGIC) <a href="mailto:TBlanford@mt.gov">TBlanford@mt.gov</a>	<b>Water – Inland</b> Megan Lang (FWS) <a href="mailto:megan_lang@fws.gov">megan_lang@fws.gov</a> Rebecca Anderson (USGS) <a href="mailto:rdanderson@usgs.gov">rdanderson@usgs.gov</a>
		<b>Water – Oceans and Coasts</b> Tony LaVoi (NOAA) <a href="mailto:tony.lavoi@noaa.gov">tony.lavoi@noaa.gov</a> Anne Ball (NOAA) <a href="mailto:anne.ball@noaa.gov">anne.ball@noaa.gov</a>
<b>Imagery</b>	Bobbi Lenczowski (ASPRS) <a href="mailto:Roberta.lenczowski@sbcglobal.net">Roberta.lenczowski@sbcglobal.net</a> Lucia Lovison-Golob (CaGIS) <a href="mailto:lovison@afriterra.org">lovison@afriterra.org</a> Steve Sharp (GISCI) <a href="mailto:Steve.Sharp@vermont.gov">Steve.Sharp@vermont.gov</a>	John Cullen (USGS) <a href="mailto:jcullen@usgs.gov">jcullen@usgs.gov</a> Shirley Hall (USDA-FSA) <a href="mailto:shirley.hall@wdc.usda.gov">shirley.hall@wdc.usda.gov</a>
<b>Transportation</b>	Joe Weber (AAG) <a href="mailto:jweber2@ua.edu">jweber2@ua.edu</a> David Moss (IAAO) <a href="mailto:mossd004@mail.maricopa.gov">mossd004@mail.maricopa.gov</a> Bert Granberg (NSGIC) <a href="mailto:bgranberg@utha.gov">bgranberg@utha.gov</a> Shih-Lung Shaw (UCGIS) <a href="mailto:sshaw@utk.edu">sshaw@utk.edu</a>	Raquel Wright (DOT) <a href="mailto:raquel.wright@dot.gov">raquel.wright@dot.gov</a>



# COGO Report Card – Current Status

Theme	Status (as of 12-6-17)
<b>Address</b>	Draft report developed. COGO team sent draft report to Theme Leads for comment. COGO team has met with Theme Leads.
<b>Cadastre</b>	Draft report developed. COGO team has met with the Theme Leads. COGO Team has not shared draft report with Theme Leads.
<b>Elevation</b>	Theme Leads has reached out to COGO team, but they have not met. Status of report unknown.
<b>Geodetic Control</b>	Theme Lead has reached out to COGO team, but they have not met. Status of report unknown.
<b>Governmental Units</b>	Draft report developed. COGO team sent initial draft draft report and 2 <sup>nd</sup> draft to Theme Leads for comment. COGO Team has not met with Theme Leads.
<b>Water-Inland &amp; Water Oceans and Coasts (Hydrography)</b>	Draft report for Water-Inland developed. COGO team has met with the Theme Leads. COGO team has not shared draft report with Theme Leads. COGO is not reviewing Water-Oceans & Coasts.
<b>Imagery</b>	Draft report developed. COGO team has contacted Theme Leads with questions. COGO team sent draft report to Theme Leads for comment. Draft report has been sent to NDOP for review and comment.
<b>Transportation</b>	Theme Lead has reached out to COGO team, and meeting is being scheduled. Status of report unknown.

# Geospatial Platform Support Contract Monthly Update to Coordination Group

*December 12, 2017*



# Technical Task Order Summary

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## ❖ 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
  - Ex Com GeoPlatform Workshop 11/8

Contact: Tod Dabolt DOI, IOS  
thomas\_dabolt@ios.doi.gov

# Portfolio Management Task Order Summary

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## ❖ TO-14 NGDA Portfolio Management

### ❖ Support: Ardent Management Consulting

### ❖ Activities

- 2017 Lifecycle Maturity Assessment (LMA)
  - Temporal Changes in Lifecycle Maturity Assessment (LMA) Maturity and Results Comparisons – completed
  - NGDA Portfolio Activity Schedule – completed
  - NGDA Dataset and Theme Summary Report templates – updated
  - LMA Report - Analysis and Recommendations – in development
  - Work Plan for Period of Performance– completed
- Continued A-16 Communities Operations & Maintenance
  - Drupal to Word Press Communities migration - Coordinating with Tech Team
- Updated NGDA Database and FGDC web pages – as required
- Draft NGDA LMA Dashboard – adjudicating Theme Lead comments
- Upcoming Events:
  - December 5<sup>th</sup>, 11 AM ET: Theme Lead Meeting

# Shared Infrastructure and Services

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## Cloud Hosting Services

- ❖ The Geospatial Platform and the Federal Geographic Data Committee (FGDC) are offering a managed hosting service for geospatial assets to FGDC member agencies.
  - ❖ Several DOI Bureaus are currently using this AWS based infrastructure
  - ❖ FEMA active customer
  - ❖ Army Corp active customer
- ❖ More information: <https://www.geoplatform.gov/hosting>

# Accomplishments

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- ❖ GeoPlatform R10 Beta-test period completed (14-24 November) – TO10
- ❖ Release 10 deployed 30 November, Live on 1 December
- ❖ NGDA Theme Community Migration (Drupal to Wordpress), continues through mid-December
- ❖ Key contacts
  - ❖ NASA (ESDIS) – information exchange and coordination re: catalog integration
  - ❖ GSA (CIBORG) – feedback rcv'd from BPA RFQ regarding ISO metadata requirements
  - ❖ NGA/FEMA – HIFLD TEM to review issues and recommendations provided
  - ❖ FEMA – [disasters.geoplatform.gov](http://disasters.geoplatform.gov) website/community TEM

# GeoPlatform.gov - Release 10 (Nov 2017)

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## ***Theme: Knowledge Graphs, Recommenders, and Communities***

- ❖ Manage multiple taxonomies for semantic enrichment and search
  - ❖ Register taxonomy and enrich portfolio objects with Knowledge Graphs
- ❖ Build Knowledge Graphs on Open Layer and Open Map assets
  - ❖ Map Viewer and Map Manager used to semantically enrich layer and map resource
- ❖ Recommender micro-services leverage LKG/ MKG context and tradecraft
  - ❖ Concept/ LKG/ MKG Recommenders assist users with finding relevant resources
- ❖ Curate Dataset, Service, Layer, and Map assets from external sources (e.g., ArcGIS Online)
- ❖ Migrate NGDA Theme Communities
- ❖ Numerous user-experience/usability improvements
- ❖ 2017 NGDA LMA with Dashboard enhancements
- ❖ New community spaces coming online (see below)

# GeoPlatform.gov - Release 11 (Mar 2018)

## *Theme: Enhanced Search, Open APIs, and Dynamic Communities*

### Target Capabilities

- ❖ Updated taxonomies (as needed)
- ❖ Initial Open API (1.0)
- ❖ Community Toolkit updates (CCB 1.2)
  - plugins for dynamic, customized, shared resources
- ❖ Security updates (as needed)
- ❖ Portal content refresh/ consolidation
- ❖ New community support (as needed)
- ❖ O&M/ IA support (as needed)

### Benefits

- ❖ Expanded use of context and map tradecraft for rich GeoPlatform Portfolio experience
  - ❖ Search, find, and do something
- ❖ 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

# GeoPlatform.gov – Communities

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- ❖ **NGDA Theme Communities** – migrating Drupal content to Wordpress and the GeoPlatform “Dynamic Digital Community” package (continues)
- ❖ **HIFLD Open (FEMA)** – now part of GeoPlatform, coordination with NGA/FEMA continues
- ❖ **Tribal Nations (BIA)** – in development and likely first out of gate
- ❖ **Invasive Species (WGA)** – in development
- ❖ **Mississippi River Basin Science (MRBS)** – in development
- ❖ **International Program for Human Geography (NGA)** – initial requirements, technical exchange, and planning meetings
- ❖ **WWHGD** – re-established contact, reviewed new GeoPlatform community capabilities; candidate for migration to new Dynamic Digital Community package.
- ❖ **DOI Office Emergency Management** – in development
- ❖ **US Group on Earth Observations (USGEO)** – just getting started
- ❖ **Geoplatform Customers** – dedicated space for customer collaboration and information sharing about GeoPlatform Shared Services offerings, in development
- ❖ **GeoPlatform Core Team** – dedicated space for programmatic information-sharing and reporting among GeoPlatform Core Team members, in production

# Capital Planning and Investment Control (CPIC)

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- ❖ USGS CPIC Monthly Control Reporting
  - ❖ EVM in eCPIC – completed update
  - ❖ Performance Measures in eCPIC – monthly update
  - ❖ Risk Register in eCPIC – monthly update
  - ❖ Updating Budget Year 2020 IT Capital Planning Submission Due 13 December
  - ❖ Continuous Review and Updating of Artifacts for FY18, e.g. Benefit Cost/Alternative Analysis; Operational Analysis; Risk Management Plan, Acquisition Strategy and USGS CPIC Guidance e.g., High Level Priority Objectives

# Standards Report

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See Geospatial Standards Activities presentation

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# Questions?