

**Federal Geographic Data Committee
Coordination Group Meeting
Tuesday, March 13, 2012
9:00 a.m. – 12:00 p.m.
1:00 p.m. – 3:00 p.m. **FED ONLY****

Location: National Capital
Planning Commission
(NCPC)
401 9th Street, NW
Washington, DC 20004

AGENDA

9:00 – 9:10	Welcome and Introductions	<i>Ivan DeLoatch, FGDC; Wendy Blake-Coleman, EPA</i>
9:10 – 9:15	Previous Meeting Action Item Review	<i>Arista Maher, FGDC</i>
9:15 - 10:00	FGDC Business Report	<i>Ken Shaffer, FGDC</i>
10:00 – 10:20	Cultural and Demographic Statistics Work Group Report	<i>Randy Fusaro, Census Bureau</i>
10:20 – 10:40	Users/Historical Data Work Group Report	<i>Colleen Cahill, Library of Congress</i>
10:40 – 11:00	National Enhanced Elevation Assessment (NEEA) Update	<i>Larry Sugarbaker, USGS</i>
11:00 – 11:20	PPD-8 Work Group Activities	<i>Dan Cotter, DHS</i>
11:20 – 12:00	NGAC Workforce Development Paper	<i>David DiSera, EMA,</i>

Inc.

12:00 – 1:00 **Lunch**

***** FED ONLY SESSION BEGINS *****

1:00 – 1:30 **A-16 Supplemental Implementation**

Ivan DeLoatch, FGDC

1:30 – 2:25 **Geospatial Platform**

Ivan DeLoatch, FGDC

2:25 – 2:45 **GAO Evaluation**

Ivan DeLoatch, FGDC

2:45 – 3:00 **Action Item Review & Next Meeting Agenda**

Arista Maher, FGDC

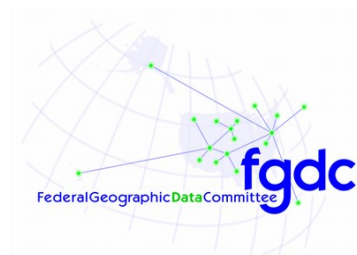
3:00 ***Adjourn***

*Read-ahead Documents	<ol style="list-style-type: none"> 1. Cultural and Demographic Statistics WG Report - Randy Fusaro.ppt 2. National Enhanced Elevation Assessment - Larry Sugarbaker.pptx 3. NGAC Geospatial Workforce Development Paper Summary.pdf 4. NGAC Workforce Development - Dave DiSera.pptx 5. PPD-8 Work Group - Dan Cotter.pptx 6. Users-Historical Data WG Report - Colleen Cahill.ppt
Other Relevant documents	

* Read-ahead documents are located at the my.usgs.gov site for member access.

CG Meeting Planning

<p>Coordination Group Meetings Topics (in addition to the following standing items)</p> <ul style="list-style-type: none"> - Welcome and Introductions; - Previous Meeting Action Item Review; - FGDC Business Update; - FGDC Secretariat Report; - Summary of Action Items / Next Meeting Agenda; - Adjourn - All meetings are scheduled from 9am to 3pm EST at NCPC in D.C., unless otherwise noted
<p>April 10, 2012</p> <ul style="list-style-type: none"> • Reports from: Vegetation SC (Ralph Crawford); Geodetic Control SC (Juliana Blackwell).
<p>May 8, 2012</p> <ul style="list-style-type: none"> • Reports from: Transportation for the Nation SC (Mark Bradford); Wetlands SC (Bill Wilen).
<p>June 12, 2012</p> <ul style="list-style-type: none"> • Reports from: Metadata SC (TBD); Geologic SC (Dave Soller).
<p>ExCom Liaison Schedule</p>
<ul style="list-style-type: none"> • TBD – on hold, pending FGDC Chair’s decision on ExCom’s role.

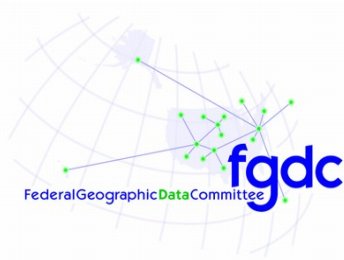


Federal Geographic Data Committee Coordination Group Meeting ACTION ITEMS Through March 13, 2012

Due Date: 4/10/12		
Lead:	FGDC Secretariat	Action#: 20111019-02
Action:	The FGDC Secretariat will create a list with a direct links to completed Geospatial Line of Business tasks and pending Geospatial Line of Business tasks to add to the FGDC website.	
Contact:	Roxanne Lamb, FGDC, rhilamb@fgdc.gov	
Resolution/Response:	Discussion occurred on the 2/27 Platform Core Team call. GT is developing a mock-up of the page and its content to present to the Secretariat.	
Complete		
Lead:	Anne Ball	Action#: 20111108-05
Action:	Anne Ball (NOAA) will look into whether NOAA can participate as the co-lead with USGS on the Elevation theme. She will work with Dick Vraga (USGS) on this.	
Contact:	Anne Ball, NOAA, anne.ball@noaa.gov ; Dick Vraga, USGS, rsvraga@usgs.gov	
Resolution/Response:	This action was discussed as part of the Fed Only session regarding theme lead agencies on 3/13.	
Complete		
Lead:	Dick Vraga	Action#: 20111108-06
Action:	Dick Vraga (USGS) will work with Doug Vandegraft (BOEM) on determining the Geology theme lead.	
Contact:	Dick Vraga, USGS, rsvraga@usgs.gov ; Doug Vandegraft, BOEM, douglas.vandegraft@boemre.gov	
Resolution/Response:	This action was discussed as part of the Fed Only session regarding theme lead agencies on 3/13.	
Due Date: Pending Briefing Material		
Lead:	FGDC Secretariat	Action#: 20111108-09
Action:	The FGDC Secretariat will put together a letter soliciting the nomination dialogue for data theme leads with the senior managers. Once an official appointment is made, an official appointment letter will be sent out by the Secretariat.	
Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/Response:	Based on discussions at the 3/13 Fed Only session, the Secretariat is working on finalizing the list of theme leads and will send appointment notifications once that list is finalized.	
Due Date: 4/10/12		
Lead:	FGDC Secretariat	Action#: 20111108-10
Action:	The FGDC Secretariat will put together an A-16 Supplemental Guidance communications package/standard slide deck for use by members to bring back to their agencies for use in helping them understand information about data themes.	
Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/Response:	The Secretariat is looking for input from CG members on what information should be included.	

Due Date: 4/10/12		
Lead:	Colleen Cahill and Wendy Blake-Coleman	Action#: 20111108-12
Action:	Colleen Cahill (LoC) and Wendy Blake-Coleman (EPA) will create a process for maintaining volume control on the data theme lists, and will brainstorm requirements on a potential Access database.	
Contact:	Colleen Cahill, LoC, cstu@loc.gov ; Wendy Blake-Coleman, EPA, blake-coleman.wendy@epa.gov	
Resolution/Response:	Efforts are moving forward.	
Due Date: 4/10/12		
Lead:	Doug Vandegraft, BOEM	Action#: 20120110-01
Action:	Doug Vandegraft work with Wendy Blake-Coleman and Randy Fusaro to determine Cadastral datasets.	
Contact:	Doug Vandegraft, BOEM, douglas.vandegraft@boem.gov	
Resolution/Response:	FWS and NPS are moving forward. There was a meeting on this topic at the ESRI Federal Users' Conference.	
Due Date: 4/1/12		
Lead:	CG Members	Action#: 20120313-01
Action:	Interested participants in the GeoCloud security meeting between agency IT security officers and Amazon representatives are asked to contact Doug Nebert for information on the upcoming meeting in April.	
Contact:	Doug Nebert, FGDC OS, ddnebert@fgdc.gov	
Resolution/Response:		
Due Date: ASAP		
Lead:	CG Members	Action#: 20120313-02
Action:	CG Members should review the Geospatial Platform partner activities POC list for IA documents and submit any corrections to Roxanne Lamb.	
Contact:	Roxanne Lamb, FGDC OS, rhilamb@fgdc.gov	
Resolution/Response:		
Due Date: 3/15/12		
Lead:	CG Members	Action#: 20120313-03
Action:	Any comments on the draft revision of the Wetlands Classification Standard should be sent to Bill Wilen by March 15.	
Contact:	Bill Wilen, FWS, bill_wilen@fws.gov	
Resolution/Response:		
Due Date: 4/10/12		
Lead:	Jennifer Carlino, FGDC OS	Action#: 20120313-04
Action:	Jennifer Carlino will post guidance information on the transition to ISO metadata standards-- including the information from NOAA-- on the FGDC website.	
Contact:	Jennifer Carlino, FGDC OS, jcarlino@usgs.gov	
Resolution/Response:		
Due Date: 4/10/12		

Lead:	Larry Sugarbaker, USGS	Action#: 20120313-05
Action:	Larry Sugarbaker will send the NEEA spreadsheet on outreach activities to the FGDC Secretariat. This spreadsheet will be shared with Coordination Group members.	
Contact:	Larry Sugarbaker, USGS, lsugarbaker@usgs.gov	
Resolution/Response:		
Due Date: 4/10/12		
Lead:	FGDC Secretariat	Action#: 20120313-06
Action:	The FGDC Secretariat will finalize the theme lead agency list and send it to the Steering Committee, with explanation as to its role in the A-16 portfolio management process.	
Contact:	Ivan DeLoatch, FGDC OS, ideloatch@fgdc.gov	
Resolution/Response:		
Due Date: 4/10/12		
Lead:	FGDC Secretariat	Action#: 20120313-07
Action:	The FGDC Secretariat will follow up with DHS on the role of DHS agencies in the theme lead list related to the Real Property and Utilities themes.	
Contact:	Ivan DeLoatch, FGDC OS, ideloatch@fgdc.gov	
Resolution/Response:		
Due Date: 4/10/12		
Lead:	FGDC Secretariat	Action#: 20120313-08
Action:	The FGDC Secretariat will identify several subcommittees and data themes that can serve as pilots.	
Contact:	Ivan DeLoatch, FGDC OS, ideloatch@fgdc.gov	
Resolution/Response:		
Complete		
Lead:	FGDC Secretariat	Action#: 20120313-09
Action:	The FGDC Secretariat will share the Geospatial Line of Business/Platform Statement of Work documents with the CG Federal Members.	
Contact:	Ivan DeLoatch, FGDC OS, ideloatch@fgdc.gov	
Resolution/Response:	SOW documents were shared with CG members on myUSGS, prior to the SOW meeting on 3/14.	
Complete		
Lead:	Ken Shaffer, FGDC OS	Action#: 20120313-10
Action:	Ken Shaffer will send the meeting information on the Geospatial Line of Business/Platform Statement of Work discussions on Wednesday, March 14 and Thursday, March 15 to the CG Federal Members.	
Contact:	Ken Shaffer, FGDC OS, kmschaffer@fgdc.gov	
Resolution/Response:	Information was provided to CG members prior to the SOW meeting.	



Federal Geographic Data Committee Coordination Group Meeting MEETING MINUTES March 13, 2012

(Note: Primary CG members are indicated in **blue text**; alternate CG members are indicated in **red text**.)

√	Coordination Group Attendees	Organization	√	Attendee	Organization
	Shirley Hall	USDA- Farm Service Agency		Bill Wilen	DOI – US Fish & Wildlife Service
	Marisa Capriotti	USDA – Natural Resources Conservation Service	x	Ivan DeLoatch	DOI – USGS/FGDC; Chair, CG
	Betsy Kanalley	USDA – US Forest Service	x	Dick Vraga	DOI – USGS
	Ralph Crawford	USDA – US Forest Service		Bob Pierce	DOI – USGS
	Juliana Blackwell	DOC – National Geodetic Survey		Dan Sandhaus	DOI - USGS
x	Tony LaVoi	DOC - NOAA		Edward Hugler	Dept of Labor – OASAM
x	Randy Fusaro	DOC – Census Bureau	x	Roy Standing	Dept of State
x	Anne O’Connor	DOC – Census Bureau	x	Mark Bradford	DOT - Research & Innovative Technology Admin
x	Jim Bjostad	DOD - NGA		Raquel Wright	DOT – Federal Railroad Admin
	David LaBranche	DOD - DISDI		Elaine Boston	Dept of Treasury
	Mitchell Fiedler	DOD - DISDI	x	Pheakdey Lim	Dept of Veterans’ Affairs
	Nancy Blyler	DOD – US Army Corps of Engineers		Tom Garin	Dept of Veterans’ Affairs
	Tai Phan	Dept. of Education – Institute of Ed Statistics	x	Wendy Blake-Coleman	EPA
	David Morehouse	Dept. of Energy – US Energy Info Administration		Tod Dabolt	EPA – Office of Water
	Carl Kinkade	DHHS – CDC		Sandra Downie	GSA
	Robert Shankman	DHHS – Office of Preparedness and Emergency Ops		Philip Klokis	GSA
x	Steven King	DHS – Office of the CIO		Autumn Wallin	GSA
	Dennis Hardy	DHS	x	Colleen Cahill	Library of Congress
x	Jon Sperling	HUD – Policy Development & Research		Jacqueline Nolan	Library of Congress
	Salvatore Sclafani	HUD - Office of Community Planning & Development		Antoinette Sebastian	HUD – Office of Environment & Energy
	David Chase	HUD – Policy Development & Research		Gregory Mann	NASA

	Don Buhler	DOI - BLM	x	Brett Abrams	NARA
	Doug Vandegrift	DOI – Bureau of Ocean Energy Mgmt, Regulation & Enforcement		Clifford Jacobs	National Science Foundation
	Steven Schwartz	DOI - BOEMRE		Trisha Christian	Small Business Administration
	Joe Gregson	DOI – Nat'l Park Service	x	David Timmons	Social Security Administration
	Tim Smith	DOI – Nat'l Park Service		Ray Mitchell	Tennessee Valley Authority
	Robert Welsh	DOI – Office of Surface Mining			
	Christina Lett	DOI – US Fish & Wildlife Service			
	Other Attendees	Organization		Attendee	Organization
x	Anne Ball	NOAA	x	Julie Maitra	FGDC
x	Nathan Beck	FDA	x	Brand Niemann	EPA/Semantic
x	Bill Burgess	NSGIC	x	Frank Roberts	Innovate
x	Jennifer Carlino	USGS	x	Jake Rogers	GT
x	Jeff Cullen	GT	x	Ron Salz	FWS
x	Dave DiSera	EMA, Inc.	x	Ken Shaffer	FGDC
x	Teddy Dyer	DOE	x	Vaishal Sheth	FGDC
x	Glenn Guempel	USGS	x	Larry Sugarbaker	USGS
x	Roxanne Lamb	FGDC	x	Tim Trainor	Census
x	Arista Maher	FGDC	x	Gita Urban-Mathieux	FGDC
x	John Mahoney	FGDC			

Welcome and Introductions – Ivan DeLoatch, FGDC OS; Wendy Blake-Coleman, EPA

Chair Ivan DeLoatch (FGDC OS) welcomed the Coordination Group members to the meeting. Attendees were asked to introduce themselves.

Previous Meeting Action Item Review - Arista Maher, FGDC OS

The previous meeting action items were reviewed, and the resolutions/responses to each action were discussed.

FGDC Business Report – Ken Shaffer, FGDC OS

[[Presentation](#), PDF]

A review of the meeting’s agenda was given, followed by reports on FGDC committees’ recent activities and decisions. During the January 31, 2012 meeting of the FGDC Steering Committee, an action item tasking the FGDC Executive Committee (ExCom) to develop a recommended shared investment strategy and Managing Partner for the Geospatial Platform arose. On March 6, 2012, the ExCom met to discuss these recommendations, and agreed in concept with the designation of Department of Interior (DOI) as the Managing Partner agency, but requested additional information and clarification from DOI. A follow-up meeting of the ExCom will be scheduled soon.

The next Steering Committee meeting will take place on April 19, 2012 from 1:00 p.m. to 3:00 p.m. at the American Institute of Architects Board Room. Attendees must register with Arista Maher. It was noted that Lisa Schlosser (OMB) has agreed to replace Sally Ericsson (OMB) as the new Vice Chair of the FGDC Steering Committee.

The National Geospatial Advisory Committee (NGAC) recently established a Landsat Advisory Committee, which will function as a subcommittee of the NGAC and will provide recommendations on the Landsat and National Land Imaging Programs to the full NGAC body. The full list of issues that NGAC will provide recommendations on to the FGDC in 2012 was reviewed. This list was developed with input from other FGDC committees. The next NGAC meeting will take place on April 17-18, 2012 at AIA, and will meet again on September 18-19, 2012, also at AIA. The FGDC will issue a call for nominations for new NGAC members in spring 2012, as 10 of the 28 NGAC appointments are set to expire on December 31, 2012.

The next Coordination Group meeting will take place on Tuesday, April 10, 2012, from 9:00 a.m. to 3:00 p.m. Eastern. Topics for this meeting include subcommittee reports from the Vegetation and Geodetic Control subcommittees in the morning session, and the Geospatial Platform and GAO evaluation update during the afternoon Fed Only session. CG members are asked to submit other topic ideas to Arista Maher.

An update of the LightSquared topic was given. LightSquared issued a petition to the Federal Communications Commission (FCC) for a declaratory ruling on the GPS spectrum interference issue earlier this year. FCC asked for public comment, and that period closes today (March 13). The Executive Steering Group (ESG) of DOI's Positional and Navigation Technology (PNT) group will meet on March 29.

Regarding the GeoCloud II initiative, project nominations have been made and agencies are refining their cloud usage estimates for Amazon. The FGDC has proposed a cloud security meeting in April between agency IT security officers and Amazon to review latest security package for accreditation. Interested participants are asked to contact Doug Nebert.

ACTION: Interested participants in the GeoCloud security meeting between agency IT security officers and Amazon representatives are asked to contact Doug Nebert for information on the upcoming meeting in April.

The Geospatial Line of Business and Geospatial Platform activities were reviewed. The status of the PMO activities was reported on a task-by-task basis. The list of partner activities POCs for IA documents was highlighted.

ACTION: CG Members should review the Geospatial Platform partner activities POC list for IA documents and submit any corrections to Roxanne Lamb.

Two of the upcoming activities related to the Geospatial Platform were discussed: an FGDC/Geospatial Platform exhibit at the MAGIC conference in Kansas City, MO on April 23-26, and an exhibit and geospatial sessions at the ESRI International Users' Conference in San Diego, CA on July 23-27.

The NSDI Cooperative Agreements Program (CAP) announcement closed on January 24, 2012. Ongoing reviews of the proposals are progressing, and the announcements are anticipated in late March or early April 2012. The GSDI Small Grants Program has selected 15 projects for its 2011-12 program. The 2012-13 program will open at the end of summer 2012.

Regarding FGDC standards activities, it was noted that the teleconference to discuss the final draft Coastal and Marine Ecological Classification Standard (CMECS) and make a recommendation on CG approval for FGDC endorsement has been rescheduled for March 20. The draft revision of the Wetlands Classification Standard has been released for "a last look" before it is brought to the SWG.

ACTION: Any comments on the draft revision of the Wetlands Classification Standard should be sent to Bill Wilen by March 15.

On INCITS-L1 activities, it was stated that L1 issued the vote on recommending approval of ISO/DIS 19115-1, Geographic information – Metadata –Part 1: Fundamentals (revision of ISO 19115:2003) as an International Standard (IS) on February 23. FGDC submitted comments and recommended that L1 vote “yes.” The L1 ballot period closes March 23. L1/U.S. TAG will meet next on Tuesday, April 17, at USGS.

ACTION: Jennifer Carlino will post guidance information on the transition to ISO metadata standards-- including the information from NOAA-- on the FGDC website.

On OGC standards activities, it was noted that OGC issued a Request for Quotations/Call for Participation (RFQ/CFP) to solicit proposals in response to requirements for the OGC Web Services, Phase 9 (OWS-9) Testbed. The next OGC TC/PC meetings are scheduled for March 19-23.

Cultural and Demographic Statistics Work Group (CDSWG) Report – Randy Fusaro, Census Bureau

[[Presentation](#), PDF]

The purpose of the CDSWG was briefly recounted, and the data themes and data sets that fall under its purview were listed (All Census statistical areas/administrative units/US Census Bureau; FIPS/ANSI codes for states, counties, congressional districts and metropolitan/micropolitan areas /US Census Bureau; FIPS/ANSI codes for places/USGS; National Center for Health Statistics Atlas/HHS; and cultural landscape boundaries, ethnographic resource boundaries, historic buildings, districts/objects boundaries, and historic structures boundaries/NPS). The CDSWG has not met since the last report. The statistical areas created to support the 2010 Census had criteria vetted through the Federal Register and national stakeholder meetings.

The Cultural Resources WG, until the recent theme realignment, was under the purview of the SCDS. It is developing a Cultural Resources Standard with coordination among State Historic Preservation Officers and others. A survey was just completed and results will be final in April. The work group has 6 task groups: Geospatial Data; Linking to Attributes; Security of Sensitive Data; Feature Level Metadata; Existing Documentation; Work Plan.

The next meeting on the Cultural Resources Work Group will take place on Tuesday, April 24 at 3:00 p.m. Deidre McCarthy (NPS) is the point of contact for this meeting (Deidre_McCarthy@nps.gov). Lynda Liptrap (301-763-1056) will serve as the point of contact for SCDS for the Census Bureau.

Randy Fusaro announced her retirement, effective at the end of March 2012. Ivan DeLoatch thanked her on behalf of the FGDC for her service. It was noted that no one has been approached to take over the work group lead duty.

Users/Historical Data Work Group Report – Colleen Cahill, Library of Congress

[[Presentation](#), PDF]

The mission and membership of the Users/Historical Data Work Group (U/HDWG) was briefly reviewed. The U/HDWG meetings occur on the fourth Thursday of every month. Some of the agenda items from recent meetings of the U/HDWG include: Geospatial Formats (including a presentation of the *Sustainability of Digital Formats* document), and Reports on Survey for Inventory of Federal Government Data Stewards/Records Officers and Data Sets. The meeting outcomes include that the U/HDWG completed the survey of Federal agencies on data sets; provided outreach to users of Federal Geospatial Data; and continued feedback on the Geospatial Platform.

One of the recent projects of the U/HDWG is the Survey of Inventory of Federal Government Data Stewards/Records Officers and the materials they preserve based on A-16 Supplemental Guidance. Other recent items the group has discussed include a briefing on the Geospatial Multistate Archive and Preservation Partnership, and the FGDC Lifecycle Working Group discussion. The U/HDWG also provided feedback on the Geospatial Platform.

The next meeting of the U/HDWG will be held on March 22, 2012 from 11:00 a.m. -12:00 p.m. It will take place via webinar. Some of the topics to be discussed at the next meeting include: an annotated survey of literature/guidance documents on geospatial formats for long-term preservation; and an annotated survey of literature/guidance documents on geospatial appraisal documents. The next goals for the U/HDWG include: continuing to work to identify long-term stewardship points of contact in all pertinent Federal agencies; following the activity with the Geospatial Platform, focusing on archival and long-term stewardship considerations; and continuing outreach and recruitment of potential U/HDWG members.

National Enhanced Elevation Assessment (NEEA) Update – Larry Sugarbaker, USGS

[[Presentation](#), PDF]

A summary and program recommendation on the NEEA was presented. The NEEA was completed in December 2012, and was sponsored by the National Digital Elevation Program (NDEP), which includes twelve member agencies and NSGIC. Partners include: USGS, NGA, FEMA, NRCS, NOAA, and study participants. The assessment documented 602 functional activities with requirements for enhanced elevation data. Thirty-four Federal agencies, all fifty states and U.S. territories, and select non-profit, industry, local governments, and tribes participated in the assessment. The assessment identified data quality, update frequency, geographic area requirements and expected benefits assuming that a need could be met by a national program. The functional activities were summarized into 27 business use categories. Some of those potential business uses include: precision farming, land navigation and safety, geologic resources and hazards mitigation, natural resource conservation, infrastructure management, and flood risk mitigation.

A list of the top business uses ranked by the total benefits identified by assessment participants was presented. When benefits were identified as a range, the conservative number represents the lower end of the range and the potential number represents the high end of the range. With the exception of the potential benefit of \$7 billion associated with Land Navigation and Safety, all of the dollar benefits represent immediate needs. The land navigation benefit is realized from vehicle fuel reductions that can be achieved by intelligent vehicle navigation systems that could begin to appear in the market place as early as 2014.

An inventory of all public LiDAR sources was conducted as part of the National Enhanced Elevation Assessment (NEEA) in the summer of 2011. The inventory was conducted by USGS Geospatial Liaisons in cooperation with NOAA and FEMA. Publically available LiDAR data and derived surface elevation data models were inventoried for all areas where the coverage was equivalent to a county or areas at least 300 square miles. A map was presented showing some planned and funded projects that become available in 2012.

A summary of findings and conclusions was given. Those include that: the status quo program is relatively efficient, but meets less than 10% of measured needs; all program scenarios provide favorable benefit cost ratios; all program scenarios combine multiple requirements and collect data in large regular blocks to achieve improved cost efficiency; an IT infrastructure is needed to manage data for all scenarios; there are no technical barriers to moving ahead; and major dollar benefits are realized from high quality data.

The recommendations for the Elevation Data Program were presented. The recommended program relies on Quality Level 2 (QL2) LiDAR and an 8-year acquisition cycle. The average annual cost for this recommended option would be \$146 million. The average annual benefits would be \$690 million, and the total level of

possible benefits satisfied is 58%. The advantages of this option are as follows: It achieves the majority of benefits; there is a high benefit-cost ratio and net benefits; the benefits are realized in 8 years instead of 30+ years for status quo; it meets all lower QL requirements and partially satisfies QL1; and cost efficiencies are achieved through large area acquisition strategy.

The proposed funding strategy is that a coalition of Federal agencies commits funding to a national program (in rank order of benefits): NRCS, USACE, DISDI, USGS, NOAA, USFS, FEMA, EPA, FAA, NGA at \$10 million each, in tandem with a USGS base program of approximately \$10 million. Additionally, states and other partner agencies will be invited to participate through amounts totaling \$36 million (balance of program cost). Collection priorities will be based on coalition partner agency needs, and the acquisition cycle scales with funding.

USGS, in cooperation with the State of Alaska, plans to co-host a round-table meeting regarding the need to complete the collection of improved elevation data over Alaska. Critical and urgent needs for elevation data in Alaska are well documented in a study conducted by Dewberry. Alaska's SDMI calls for completion of elevation data acquisition in five years with a proposed funding model based on land ownership. For example, DOI agencies manage approximately 60% of Alaska and would therefore provide 60% of the funding over five years. At the current low level of funding from federal sources, it will take approximately 10 to 12 years to complete collection of these data.

The outreach plans include planning for a special ExCom meeting soon; presentations at the upcoming Steering Committee meeting and the NGAC meetings in April; the Alaska round-table in May; and community outreach at conferences such as MAGIC and NSGIC. There are materials in development for these meetings.

ACTION: Larry Sugarbaker will send the NEEA spreadsheet on outreach activities to the FGDC Secretariat. This spreadsheet will be shared with Coordination Group members.

PPD-8 Work Group Activities – Dan Cotter, DHS

[[Presentation](#), PDF]

Dan Cotter presented on homeland security (HLS) geospatial initiatives, including the Presidential Policy Directive 8 (PPD-8). Some of the existing key geospatial coordination activities for this community include the NSDI and Executive Order 12333, which establishes NGA as the functional manager for geospatial intelligence (“geoint”). Other key coordination activities include the Homeland Security Infrastructure Foundation Level Data (HIFLD) Working Group; Homeland Security Infrastructure Protection Common Operating Data; the Capabilities Development Working Group; and the GeoCONOPS Interagency Oversight Team.

The Geospatial Concept of Operations (GeoCONOPS) is a multi-year effort focused on the geospatial communities supporting DHS and the emergency management activities per National Preparedness Goal and other homeland security legal authorities. The Federal Interagency GeoCONOPS is intended to identify and align the geospatial resources that are required to support the NRF, ESF, and supporting federal mission partners. GeoCONOPS addresses Geospatial Mission Support (coordination, staffing, technology requirements); Geospatial Data (authoritative data, data standards, data dissemination) and Geospatial Production and Delivery. GeoCONOPS' initial focus is on life saving, damage assessment, and recovery, to provide a strategic planning resource and guide for tactical operations. DHS\FEMA serves as the lead agency for coordinating federal resources in response to national disasters/ emergencies.

The GeoCONOPS community model and list of stakeholders were reviewed. An evaluation/validation of the GeoCONOPS was conducted in 2011 through a national level exercise. While by many measures, the GeoCONOPS was accurate and effective, several areas for improvement were identified through this exercise, including: community support of operational response, limitations in system interoperability related to information sharing and situational awareness, and limitations on awareness related to outreach and training. There were 12 recommended actions, including online training, which is being rolled-out soon. CG members interested in getting involved in the GeoCONOPS should contact David Alexander (David.Alexander1@dhs.gov or 202-447-3727). CG members interested in joining the GeoCONOPS distribution list should email geoconops@dhs.gov.

An FGDC work group focusing on Presidential Policy Directive 8 (PPD-8) was recently formed. Key principles of PPD-8 include: employ an all-of-Nation/whole community approach, integrating efforts across federal, state, local, tribal and territorial governments and with private sector, community, non-governmental, and individual partners; use a risk-based approach to support preparedness; build core capabilities to confront any challenge; integrate efforts across prevention, protection, mitigation, response, and recovery; and assess performance outcomes to measure and track progress. The core capabilities list for PPD-8 was reviewed.

The DHS Geospatial Information Infrastructure (GII) is the solution architecture for the Geospatial Services Architecture (GSSA). The GII platform is a body of enterprise data, application services, and infrastructure governed by the GSSA following DHS Enterprise Architecture principles and built to meet common geospatial requirements across the broad DHS mission space. The GII platform provides a public/private cloud infrastructure and integration framework to supply standards-based Geo Visualization services, Geoanalytics and Common Geospatial Operating Data, and Geospatial Content Delivery Services.

The National Urban Change Indicator Dataset provides data for a 25-year time span (1984-2009). FEMA is the primary user of this dataset, and the next national update is expected by April 30, 2012.

NGAC Workforce Development Paper – Dave DiSera, EMA, Inc.

[[Presentation](#), PDF] [[Paper](#), PDF]

Dave DiSera noted that the objectives of today's session are to give an overview of the NGAC subcommittee's white paper on the Geospatial Workforce and to provide an opportunity for dialogue with FGDC member agencies on the recommendations of the paper. The paper was adopted by the full NGAC in January 2012.

There were three primary areas of recommendations by the subcommittee: Science, Technology, Engineering, and Mathematics (STEM) education initiatives recommendations, Competency Model recommendations, and Classification Code recommendations. The recommendations in the STEM area included that: FGDC leadership should work with and encourage CoSTEM to include geospatial technology and geomatics as components of the STEM disciplines; the FGDC Secretariat and agency members should review and comment on the results of the CoSTEM Inventory of Federal STEM Programs and the CoSTEM Report on Federal Coordination; the FGDC leadership should encourage awareness among FGDC member agencies regarding the importance of opportunities for geospatial technology related grants, such as the NSF's Geography and Spatial Sciences Program and NOAA's Cooperative Remote Sensing Science and Technology Center; the FGDC leadership should encourage FGDC member agencies to establish internships, fellowship programs, cooperative education, or exchange programs that give students practical understanding and real-world experience with geospatial technology and applications; and the FGDC leadership should encourage FGDC member agencies to support geographic literacy through their respective education and outreach programs.

The Competency Model recommendations were as follows: the FDGC should collaborate with UCGIS and AAG to determine if the Body of Knowledge for GI Science and Technology's knowledge areas encompasses

the breadth of the geospatial technology field from a government perspective; the FGDC should work with the geospatial community to develop a communication infrastructure and methods to facilitate geospatial information exchange; the FGDC Secretariat should follow up with UCGIS and the Department of Labor on the status of the partnerships for establishing a clearinghouse for internship, work experience, and service learning programs; and the GeoTech Center on building partnerships for developing a competency model for a program of study that provides guidelines for geospatial education programs.

The Classification Code recommendations included the following: The FGDC should partner with the DOI Office of Human Resources to engage OPM in an effort to review, update, and modernize the geospatially-oriented Federal Occupational Series Codes; the FGDC, DOL, and the Federal human resource management community should collaborate with non-federal partners to encourage the use and adoption of the Geospatial Technology Competency Model and the updated Occupational Classification Codes and Series; and FGDC partner agencies should communicate with their academic partners about the revised occupational codes and competency model to facilitate development of appropriate training and curricula to address emerging geospatial workforce needs.

Updates on each of the recommendation areas were provided. Recently, the Office of Science and Technology Policy (OSTP) released *The Federal Science, Technology, Engineering, and Mathematics (STEM) Portfolio*, a comprehensive listing of the STEM education investments by Federal agencies. On the Competency Model, initial work has begun on the development of management-oriented geospatial competencies. On the Classification Codes, there has been an initial dialogue with DOI human resources staff. Dave encouraged CG members to have dialogues with their agency representatives on geospatial workforce development issues.

Questions/Discussion:

John Mahoney and Ivan DeLoatch thanked Dave DiSera for his leadership in the subcommittee and providing the recommendations to the FGDC OS. Ivan emphasized that there are a number of recommendations in the report that the FGDC community is able to respond to.

***** FED ONLY SESSION BEGINS *****