Federal Geographic Data Committee
Coordination Group Meeting
Wednesday, October 19, 2011
9:00 a.m. – 12:00 p.m.

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

Room: Suite 500 (5th Floor)

AGENDA

9:00 – 9:05	**Welcome and Introductions**	*Ivan DeLoatch, FGDC; Wendy Blake-Coleman, EPA; Arista Maher, FGDC*
9:05 – 9:10	**Previous Meeting Action Item Review**	*Arista Maher, FGDC*
9:10– 10:00	**Geospatial Platform** • **Version 1 Demo**	*Ivan DeLoatch, FGDC; Jerry Johnston, EPA*
10:00 – 10:50	**FGDC Business Report**	*Ken Shaffer, FGDC*
10:50 – 11:20	**Steering Committee Report**	*Ivan DeLoatch, FGDC*
11:20 – 11:50	**A-16 Supplemental Guidance**	*Ivan DeLoatch, FGDC*
11:50 – 12:00	**Action Item Review & Next Meeting Agenda**	*Arista Maher, FGDC*
12:00	***Adjourn***	

*Read-ahead Documents	1. Standards Update - 2011-10-19.pdf 2. Standards Update 2011-10-19.xlsx
Other Relevant documents	

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

CG Meeting Planning

Coordination Group Meetings Topics (in addition to the following standing items)
- 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
November 8, 2011 • Reports from: **Wetlands SC (Bill Wilen); Transportation for the Nation SC (Mark Bradford); Metadata Summit (Jennifer Carlino).**
December 13, 2011 • Reports from: **Geologic SC (Dave Soller); Spatial Water Data SC (Tod Dabolt and Bob Pierce).**
January 10, 2012 • **Reports from: Cadastral SC (Don Buhler); Marine and Coastal Spatial Data SC (Tony LaVoi).**
February 14, 2012 • **Reports from: National Digital Orthoimagery Program (NDOP) SC (Anne O'Connor).**
March 13, 2012 • **Reports from: Cultural and Demographic Statistics WG (Randy Fusaro); Users/Historical Data WG (Colleen Cahill).**
April 10, 2012 • **Reports from: Vegetation SC (Ralph Crawford); Geodetic Control SC (Juliana Blackwell).**
ExCom Liaison Schedule
• TBD – on hold, pending FGDC Chair's decision on ExCom's role.

Due Date: ASAP		
Lead:	Coordination Group Members	**Action#: 20110809-09**
Action:	CG Members who have contacts in their agencies' E-Gov offices are asked to contact those offices if there are any outstanding interagency agreements relating to GeoLoB to help "close the loop," if necessary.	
Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/ Response:	As of 9/15/11, the following agency's contributions are still outstanding: DOC/Census ($81,000), USDA ($102,000), USDoL ($15,000), NSF ($15,000), DOT ($62,000), USACE ($57,000), USAID ($15,000).	

Due Date: ASAP		
Lead:	Coordination Group Members	**Action#: 20110920-01**
Action:	The Coordination Group will develop a white paper on recommendations regarding address data based on the results of the Questionnaire on Agency Use of Address Data files. CG members are asked to contact Randy Fusaro with input on this topic.	
Contact:	Randy Fusaro, Census, randy.j.fusaro@census.gov	
Resolution/ Response:	No input has been received to date.	

Complete		
Lead:	Coordination Group Members	**Action#: 20110920-02**
Action:	Coordination Group members should review and provide any edits or comments on the A-16 Supplemental Guidance Implementation Strategy document using "track changes," and they should submit those comments to Catherine Nolan by Friday, September 23.	
Contact:	Catherine Nolan, GT, Catherine.Nolan@us.gt.com	
Resolution/ Response:		

Complete		
Lead:	Wendy Blake-Coleman	**Action#: 20110920-03**
Action:	Wendy Blake-Coleman (EPA) will follow up with contacts at NOAA for clarification on the Water-Inland theme datasets.	
Contact:	Wendy Blake-Coleman, EPA, blake-coleman.wendy@epamail.epa.gov	
Resolution/ Response:	Tony LaVoi provided Wendy with a contact.	

Due Date: 1/10/12		
Lead:	FGDC Secretariat	**Action#: 20111019-01**
Action:	The FGDC Secretariat will look into creating a "canned webinar" as part of the GeoPlatform web environment so that interested users can have an interactive understanding of how the Platform operates.	

Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/ Response:		

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:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/ Response:		

Due Date: 10/25/11

Lead:	CG Members	**Action#: 20111019-03**
Action:	CG Members are asked to provide comments to the FGDC Secretariat on the Value Proposition document by next Tuesday, October 25.	
Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/ Response:		

Due Date: ASAP

Lead:	FGDC Secretariat	**Action#: 20111019-04**
Action:	The FGDC Secretariat will send out an announcement to the Coordination Group for an all-day meeting regarding the Geospatial Platform business plan (targeting Nov 2 and 3).	
Contact:	Ivan DeLoatch, FGDC, ideloatch@fgdc.gov	
Resolution/ Response:		

Due Date: 11/08/11

Lead:	Ken, Wendy, and Randy	**Action#: 20111019-05**
Action:	Ken Shaffer, Wendy Blake-Coleman, and Randy Fusaro will determine next steps on the A-16 theme leads and report back to the Coordination Group with those steps.	
Contact:	Ken Shaffer, FGDC, kmshaffer@fgdc.gov	
Resolution/ Response:		

Federal Geographic Data Committee Coordination Group Meeting
MEETING MINUTES
October 19, 2011

√	Coordination Group Attendees	Organization	√	Attendee	Organization
x	Shirley Hall	USDA- Farm Service Agency		Bill Wilen	DOI – US Fish & Wildlife Service
x	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	x	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		George Brilis	EPA
	Carl Kinkade	DHHS – CDC		Tod Dabolt	EPA – Office of Water
	Robert Shankman	DHHS – Office of Preparedness and Emergency Ops	x	Sandra Downie	GSA
	Jeff Booth	DHS – Office of the CIO		Philip Klokis	GSA
	Dennis Hardy	DHS	x	Autumn Wallin	GSA
x	Jon Sperling	HUD – Policy Development & Research		Colleen Cahill	Library of Congress
	Salvatore Sclafani	HUD - Office of Community Planning & Development	x	Jacqueline Nolan	Library of Congress

	Antoinette Sebastian	HUD – Office of Environment & Energy		Gregory Mann	NASA
	David Chase	HUD – Policy Development & Research		Brett Abrams	NARA
	Don Buhler	DOI - BLM		Clifford Jacobs	National Science Foundation
	Doug Vandegraft	DOI – Bureau of Ocean Energy Mgmt, Regulation & Enforcement		Trisha Christian	Small Business Administration
	Steven Schwartz	DOI - BOEMRE		David Timmons	Social Security Administration
	Joe Gregson	DOI – Nat'l Park Service	x	Ray Mitchell	Tennessee Valley Authority
	Tim Smith	DOI – Nat'l Park Service			
x	Robert Welsh	DOI – Office of Surface Mining			
	Christina Lett	DOI – US Fish & Wildlife Service			

	Other Attendees	Organization		Attendee	Organization
x	Anne Ball	NOAA	x	John Mahoney	FGDC
x	Kenneth Baker		x	Julie Binder Maitra	FGDC
x	Bill Burgess	NSGIC	x	William Marken	USDA NRCS
x	Bill Clark	DOI OSM	x	Jeremy McHugh	NOAA
x	Leonard Gore	BLM	x	Ken Shaffer	FGDC
x	Charley Hickman	USGS	x	Vaishal Sheth	FGDC
x	Jerry Johnston	EPA	x	Larry Sugarbaker	USGS
x	Steve Jackson	NGA		Ronnie Taylor	NOAA
x	Kate Kase	DOI	x	Gita Urban-Mathieux	FGDC
x	Roxanne Lamb	FGDC	x	Lucy Vogel	IHS
x	Butch Lazorchak	LOC	x	Rob Welsh	DOI OSM
x	Arista Maher	FGDC	x	Linda Zellmer	WIU

Welcome and Introductions - *Ivan DeLoatch, FGDC; Wendy Blake-Coleman, EPA; Arista Maher, FGDC*

Ivan DeLoatch (FGDC) and Wendy Blake-Coleman (EPA) welcomed members to the meeting, and members were asked to introduce themselves.

Previous Meeting Action Item Review – *Arista Maher, FGDC*

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

Geospatial Platform – *Ivan DeLoatch, FGDC; Jerry Johnston, EPA*

[Presentation]

Jerry Johnston (EPA) gave an update and presented a demonstration of the Geospatial Platform. He described what the Geospatial Platform will offer, in terms of why it is being launched now and what the benefits are. First, he stated, the Geospatial Platform will be a "one-stop shop" to deliver trusted,

nationally-consistent data, with a preference towards interoperable web services, as well as a tool that specifically enables collaboration. It will provide tools for the centralized discovery, access, and use of data and services managed and maintained in multiple agencies, in addition to tools that enable cross-government data to be displayed in a visual context (for instance, Hurricane Katrina response efforts could have benefitted from a tool that could do this. Jerry thanked NOAA for their role in developing the Platform's current capability). The Geospatial Platform will include problem-solving apps that are built once and reused many times, a shared cloud computing infrastructure, and open standards compliant interoperability (OGC CSW, WMS and KML). Furthermore, the Platform will provide the tools and infrastructure to enable decision makers to quickly and efficiently determine what geospatial data, services, and application assets can be brought to bear to solve problems (much of the political/senior leadership is very interested in this capability so that they can quickly and easily understand the situation and what tools are available to solve problems). The Platform will allow for the opportunity to leverage complementary efforts such as Data.gov and the Federal cloud computing initiative, and the means to operationalize the Federal geospatial portfolio management processes described in the 2010 Circular A-16 Supplemental Guidance.

The target technical architecture for the Geospatial Platform was displayed as a diagram, showing the Software as a Service (SaaS), Platform as a Service (PaaS), Infrastructure as a Service (IaaS), and Data as a Service (DaaS) components, along with examples of each, and how they tie into Data.gov (Catalog as a Service). "Phase One" of the process includes the roll out of http://geo.data.gov and geo applications and geo tools that are being rolled out via the Data.gov map gallery and http://geoplatform.gov.

The Geospatial OneStop catalog has been migrated to Data.gov, and the search interface and community features are being built at geo.data.gov. It was noted that Data.gov and geo.data.gov are about Executive Branch records, so only federal records will appear for users searching from this interface. The Map Gallery is also currently available as a feature of geo.data.gov. Geoplatform.gov is being prototyped now, and its search capabilities will include all records (state and local government, as well as NGO records are included) for searching. Geoplatform.gov has an ArcGIS Portal implementation (i.e., a government version of ArcGIS), along with the ability for users to create and share maps as well as search the catalog. They are working on putting together cross-government stories to feature. They anticipate a mid-October release of the new geoplatform.gov site.

A brief demonstration of the geo.data.gov site was given. All prior Geospatial OneStop URLs redirect to the new geo.data.gov site. The home page explains the evolution of Geospatial OneStop to Data.gov and the reasons for doing so. There are some new capabilities for browsing metadata and searching by A-16 themes. The site has been performing very fast. There is an improved geographic search interface as well, where users can narrow searches based on locations. For publishers of data, harvesting is being turned back on this week. GOS has harvested 190 catalogs, and a number of those are not operational any longer, so they are using this opportunity to "clean up" old harvesting relationships.

The Geospatial Platform site was demonstrated. It was noted that the site is still in the beta version and those who would like to access it can ask Jerry for the password.   The format is similar to ArcGIS, but the data is all government-generated. The next steps are determining data content for the site, now that technology architecture is operational. The user interface is simple. There is capability for a public user to create an account, and to view and store their data. Those in the map community can create and publish maps (there is a hierarchy of user access accounts). The map

products featured by managers on the site is listed on one of the main pages. The difference between web maps and map services was highlighted. A web map has its own metadata record. Users can comment on each others' maps, that they have permission to see, as well as give star ratings. The team will be working with ESRI and REI to extend these capabilities to other map viewers, such as Google Earth. Users can quickly and easily configure and customize data layer variables on their map. There is a group for each OMB Circular A-16 Supplemental Guidance theme on the Platform. Users can create data layers that are restricted to use by only certain users. Customized maps can be both created and saved for future use by the user, or shared with users of choice. Users can create a fully-hosted web application on a permanent URL by publishing the map; maps can also be embedded on external websites.

The next steps toward implementation were laid out in a timeline. FY 2010-11 has focused on Platform Roadmap development, obtaining feedback from the NGAC, and public outreach. In the period from June – October 2011, the Value Proposition document and use cases have been developed, in addition to a roll out of Platform Version 1 and the migration of geodata.gov to geo.data.gov. In FY 2012, there are plans for the development of a business and funding plan, and the continued development of Platform content and capabilities.

The discussion was opened up to the members for their questions and comments. Jacquie Nolan (Library of Congress) asked Jerry about publishing and sharing maps; specifically, will there be a future capability of using the Platform on mobile applications? Jerry responded that there is a mobile client for publishing to ArcGIS on iPhone and Windows Mobile, and they hope to eventually have an Android client as well.

Jon Sperling (HUD) asked whether the Geospatial Platform will provide all records (Federal and non-Federal), since geo.data.gov is just federal data. Jerry explained that the catalog is the same (Geospatial OneStop), but the views are different.

Wendy Blake-Coleman (EPA) asked how others can join by submitting their catalogs. Jerry responded that the Platform team is working on how to approach those relationships and the means to advertise the ability to be a federated search partner.

Dick Vraga (USGS) asked whether one can participate by providing the Platform team with addresses of existing services. Jerry said that this is correct. Dick followed up by asking whether one can provide tools to the Platform to be used. Jerry responded that this second assertion is no yet ready. He acknowledged that the second point is more important, and that they need to make it easy for agencies to participate. However, the Platform currently does not have this business rules and governance rules defined yet. The business plan will address this. Jerry also added that moving capabilities to the Platform is optional for agencies. Someone suggested a webinar on the FGDC and Platform website on the uses and capabilities of the Platform.

ACTION: The FGDC Secretariat will look into creating a "canned webinar" as part of the GeoPlatform web environment so that interested users can have an interactive understanding of how the Platform operates.

FGDC Business Report – *Ken Shaffer, FGDC*

[Presentation]

Ken Shaffer (FGDC) gave a summary of recent FGDC activities and meetings. An overview of the meeting's agenda was given. The various committees' activities and decisions were reviewed. A Steering Committee meeting was held on October 6 at the American Institute of Architects, and it was noted that Ivan would present a report on it later in the meeting. Comments from the Steering Committee and the National Geospatial Advisory Committee (NGAC) are in the process of being incorporated into the Geospatial Platform Value Proposition document. The September and October meetings of the Executive Committee (ExCom) have been cancelled, and future ExCom meetings are pending a decision from the FGDC Chair on how ExCom will be utilized. The NGAC met on October 5-6 at the National Conservation Training Center in Shepherdstown, WV. FGDC Chair Anne Castle attended Day 1 of the meeting and gave a presentation. Jerry Johnston, Vice Chair of NGAC, also presented a demo of the Geospatial Platform Version 1 site, which was received favorably by NGAC members. Jerry presented a similar demo at today's CG meeting. Several of the actions and recommendations arising from the NGAC meeting were reviewed, including topics such as the Geospatial Platform, the Innovative Strategies Paper, the Geospatial Workforce Paper, the Tribal Subcommittee, and the LightSquared issue. The next meeting of the NGAC is tentatively scheduled for December 8, 2011. This will be a half-day webinar (open to the public) to discuss the revisions of the Innovative Strategies and Geospatial Workforce papers, as well as to provide an update on the progress of the Geospatial Platform. The next Coordination Group meeting will be at NCPC on November 8, from 9:00 a.m. to 3:00 p.m. Eastern. Some of the topics that will be discussed include: a Metadata Summit report, a report from the Wetlands Subcommittee, and a report from the Transportation for the Nation Subcommittee. There will be a Fed Only session in the afternoon.

An update on the LightSquared impact on GPS issue was given. On August 8, a DOI position letter from Deputy Secretary Hayes was sent to NTIA urging them not to approve the LightSquared plan because more testing on the lower 10 MHz spectrum is needed. NGAC passed a recommendation on the issue expressing their concern and encouraging agencies to work with NTIA and FCC to ensure that the LightSquared proposal does not adversely impact GPS.

The FGDC Metadata Summit will be held on Thursday, October 27 (all day) at the USGS building in Reston. The Summit is intended to bring stakeholders up to date on ISO metadata, to identify challenges, and to set a course for implementation. It was noted that space is limited for the Summit, and more information on registration can be found on the FGDC website. On Wednesday, October 26, there will be an Introduction to ISO Metadata Training session, which is already full. Those who are already registered but cannot attend are asked to contact Jaci Mize (Jacqueline.Mize@noaa.gov).

An update on the Geospatial Line of Business and Geospatial Platform was given. It was noted that approval was received on the 2012 Exhibit 300 submission, and that the 2013 Part A and B was submitted. Draft text for several E-Gov reports was prepared. The monthly EVM submission for the Line of Business was completed, along with MAX portal reporting submissions. There are several outstanding interagency agreements from USDA, DOL, NSF, DOT, USACE, USAID, and Census. Each individual task was walked through and the progress on each was reported.

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.

The FY 2012 NSDI Cooperative Agreements Program is expected to open for submissions later this month. The GSDI Small Grants Program-- which is jointly sponsored by FGDC and URISA GISCorps—closes for submission on October 31, 2011. More information on both programs is available on the FGDC website and the GSDI website.

The 2011 FGDC Annual Report is still in progress. The CG received a copy for review, and responses were due on October 18. The final edits are in work, and the published report will be available in December.

An update on Standards activities was given. The Steering Committee voted to endorse the Federal Trails Data Standard. The next INCITS L1/U.S. TAG meeting is Monday, October 31, 10:00 a.m. to 4:00 p.m. at GMU. This meeting is in preparation for the ISO/TC 211 plenary and meetings scheduled for November 13-18 in South Africa. The GWG Information Transfer and Service Architecture (ITSA) Focus Group (FG) is looking into CityGML as a potential standard for the DISR/ICSR. The OGC web site, www.geospatial.org, has been completely redesigned and organized along communities of interest. The 11-3 GWG polling session was held on Thursday, September 15 and the outcomes from this meeting were briefly reviewed. The FGDC OS held a teleconference on September 29 to review FGDC GWG process alignment for the 11-3 voting cycle and future FGDC participation in GWG standards activities. Consensus of participants was that these issues should be referred to the CG and Steering Committee for their leadership.

Steering Committee Report – *Ivan DeLoatch, FGDC*
Ivan provided an update on the October 6 Steering Committee meeting. He noted that the Geospatial Platform Version1 site was demonstrated by Jerry Johnston. The Steering Committee also discussed the NGAC's comments on and support of the Value Proposition document. Ivan stated that the FGDC Secretariat is working on incorporating those comments and redistributing the document to the Coordination Group and Steering Committee. Currently, the document is out for Coordination Group comment. There is a short time frame for turn-around (next Tuesday), so Coordination Group members are encouraged to review the document and provide comments quickly.

ACTION: CG Members are asked to provide comments to the FGDC Secretariat on the Value Proposition document by next Tuesday, October 25.

The FGDC Secretariat and its partners are working on putting together the business plan for the Geospatial Platform. The Executive Champions team that guided the Platform beta version is being utilized to help develop the business case. The FGDC recognizes that the ideas from the CG will be very important and relevant to the process of developing the business plan, and the FGDC is planning how to organize this. The FGDC is proposing to have a meeting on November 2nd and 3rd for all Federal members interested in providing input on business case.

ACTION: The FGDC Secretariat will send out an announcement to the Coordination Group for an all-day meeting regarding the Geospatial Platform business plan (targeting Nov 2 and 3).

He noted that the target is to have the Platform business case completed by January 2012 so that the Steering Committee can review prior to a possible Steering Committee meeting in late January. Kate Kase has agreed to serve on a part-time detail to the FGDC OS from USGS NBII. She will help move the team forward in developing the business case.

Ivan discussed the four key areas for the Geospatial Platform: 1.) Value Proposition (Why are we doing this?); 2.) Concept of Operations (How will this function from interagency point of view?); 3.) Governance (Who has responsibility for managing what? Who will be the managing partner for the Platform?); and 4.) The shared investment strategy. Portfolio management will be a key driver for the concept of operations. The team hopes to leverage work that has already been done, utilizing content from the Roadmap and Value Proposition. Ivan highlighted the need to scope this in a practical way. He noted that there is a lot of interest from OMB to do this fast because they see a lot of value in the effort. There have been discussions in the E-Gov office about moving to a shared services environment. They still need to determine how Federal enterprise architecture will support this, and the timing is still unclear. The work we have done regarding evolving from Geospatial OneStop to Geospatial Line of Business to the Geospatial Platform are all underpinnings that will align with this thinking, but specific direction has not yet been received. The Technical Deployment Task Team's work has been extremely useful regarding the Beta version. This will help the Platform mature into Version 1.

Ivan said that Tim Trainor (Census) presented at the Steering Committee meeting on the United Nations Initiative on Global Geospatial Information Management (UN-GGIM). Tim presented on several issues that may be relevant to the geospatial community at the international level. Tim has agreed to serve as Chair of a new FGDC working group on the issue. The FGDC anticipates a request to those interested in participating in working group following the next meeting.

The FGDC Secretariat is working on consolidating actions from the October 6 Steering Committee meeting. Department of Interior, as one of the lead Deepwater Horizon agencies, has developed a "lessons learned" report that supports the approach the FGDC is using with the A-16 Supplemental Guidance (i.e., portfolio management and a common platform) that will be submitted to the White House.

A-16 Supplemental Guidance – *Ivan DeLoatch, FGDC*
Ivan focused specifically on the work that has been accomplished on data themes. He thanked Wendy Blake-Coleman (EPA) and Randy Fusaro (Census) for help in this area. Ivan noted that he is happy to see that the Steering Committee agreed with the data themes developed as part of these efforts. Randy stated that the NGAC appeared to be interested in the data themes. Randy and Wendy will lead the effort to affix datasets to themes and obtain CG approval on datasets and theme mappings. Ivan stated that the work the FGDC has done on data themes will also be very relevant on the Platform. Grant Thornton has developed a spreadsheet showing the data themes and theme lead responsibilities – this was shown to CG members. Ken Shaffer (FGDC) walked through the spreadsheet. Outstanding actions regarding lead recommendations were overviewed. Dick Vraga (USGS) noted that the U.S. Fish and Wildlife Service (FWS) would be the lead on Biota. The Inland Waters theme would be USGS and FWS as co-leads.

ACTION: Ken Shaffer, Wendy Blake-Coleman, and Randy Fusaro will determine next steps on the A-16 theme leads and report back to the Coordination Group with those steps.

Grant Thornton has been asked to develop a white paper that would accompany a theme list describing changes and responsibilities. This will be shared with CG when it is available.

Action Item Review & Next Meeting Agenda – *Arista Maher, FGDC*
The action items from the meeting were reviewed, and CG members were asked if there were any items they would like to add to the next CG meeting agenda.

Randy Fusaro announced that there will be a U.S. National Boundaries meeting on October 20 from 9-3 at DOI.

Adjourn