Architecture & Technology Working Group (ATWG)
Thursday, March 10, 2016
12:30 p.m. – 1:30 p.m. Eastern

Location: USGS National Center
Room 2A229
12201 Sunrise Valley Dr
Reston, VA 20192

To join the Webinar via WebEx:
Navigate to the following:
https://usgs.webex.com/usgs/j.php?MTID=mf510a72ad02350c442633fe9a65a29f1

Please note that times indicated on the agenda are approximate and may vary based on discussion.

Audio Conference Instructions:
Dial Toll free: (855) 547-8255
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Code: 94942701

AGENDA

12:30 – 12:35	**Welcome**	*William Mullen, DOI*
12:35 – 12:55	**Charter Comments**	*ATWG Members*
12:55 – 1:15	**Conflicting Priorities & Web Service Utilization Reporting**	*ATWG Members*
1:15 – 1:25	**Data Availability Reporting & Mobile Observation Standards**	*ATWG Members*
1:25 – 1:30	**Action Item Review**	*Tom Myers, FGDC Support*
1:30	**Adjourn**	

Architecture & Technology Working Group • www.fgdc.gov • Email: fgdc-atwg@fgdc.gov

ARCHITECTURE & TECHNOLOGY WORKING GROUP
MEETING MINUTES FROM MONDAY, FEBRUARY 8

MEETING MANAGER: William Mullen, DOI

MEETING HOST: FGDC

RECORDER: Tom Myers, FGDC Support

GUESTS: Bill Mullen, DOI, In-Person

Jerry Johnston, FGDC, Phone

John Mahoney, FGDC, Phone

Garry Latzke, USGS, Phone

Tod Dabolt, DOI, In-Person

Rob Dolison, FGDC, In-Person

Glenn Guempel, FGDC, In-Person

Randy Warren, NOAA, Phone

Vaishal Sheth, FGDC, Phone

David Cackowski, Census, Phone

Ted Payne, USDA, Phone

Jen Carlino, FGDC, Phone

Jim Irvine, FGDC Support, Phone

Thomas Myers, FGDC Support, In-Person

Status of Actions or in-work items directly impacting the ATWG

Action Items
3.1. Jerry Johnston and Tod Dabolt to provide bug reports and change requests. ATWG Members to review and identify priority items for discussion.

3.2. Jerry Johnston and Tod Dabolt to share the link to the current Performance Dashboard on the GeoPlatform. ATWG Members to review and identify potential for enhanced web service utilization reporting.

3.3. Tod Dabolt to provide an overview of Map Knowledge Graphs at the next meeting.

3.4. ATWG Members to provide GeoPlatform Infrastructure Team with current and if known, near future, infrastructure and software requirements used to support ATWG members Agencies and Departments for Esri, Open Geo, and other ecosystems. This is to ensure that these capabilities will be evaluated for Authority To Operate (ATOs) documentation under FedRAMP and available in the Amazon Cloud.

REQUEST LIST		
CURRENT REQUESTS		
REQUEST	**DESCRIPTION/SUMMARY**	**GEOSPATIAL PLATFORM FOCUS AREA**
Data Availability Reporting	Provide recommendations on data availability reporting. Can we set up notifications for services, data, and information within a particular geofence or topic area? From a marketplace perspective, users should have an awareness of data offerings without having to check back.	
Mobile Observation Standard	Provide requirements for a mobile observation standard. Technical Team has created a mockup for a Mobile Observation Service application. A formal standard for observations about a place doesn't exist.	Standards

PREVIOUS REQUESTS			
REQUEST	**DESCRIPTION/SUMMARY**	**GEOSPATIAL PLATFORM FOCUS AREA**	**STATUS**
Service Utilization	Provide recommendations on measuring service utilization for web services, especially those that are hosted on external websites. This may ultimately be a "report card" distributed to data providers and incorporated into the Performance Dashboard on GeoPlatform.gov	Metrics	Under Review

INTRODUCTION

The ARCHITECTURE & TECHNOLOGY WORKING GROUP met at the USGS NATIONAL CENTER on THURSDAY, MARCH 10.

Working Group Members			
Name	**Role**	**Organization**	**Contact Info**
William Mullen	Lead	DOI/IOS	william_mullen@ios.doi.gov
Glenn Guempel	Member	USGS	gguempel@usgs.gov
Rob Dollison	Member	USGS	rdollison@usgs.gov
Jay Spurlin	Member	Census	jay.e.spurlin@census.gov
Tianpu Liang	Member	USDA/NRCS	tianpu.liang@wdc.usda.gov
Joel Schlagel	Member	USACE	joel.j.schlagel@usace.army.mil

Working Group Members			
Name	**Role**	**Organization**	**Contact Info**
Randy Warren	Member	NOAA	randy.warren@noaa.gov
TBD	Member	FEMA	TBD
Working Group Support Staff			
Tom Myers	Facilitator	FGDC Support	myersiii_thomas@bah.com

MEETING GROUND RULES:
- Be courteous and professional
- Stay involved & work to keep others active
- Talk to everyone and maintain eye contact
- Promote equal participation with advocacy/inquiry
- Remain open and objective
- Use "parking lot" as needed to avoid lengthy unproductive tangents

DISCUSSION APPROACH:
- Allow each presenter to determine how questions are handled
- State objectives of each discussion topic & the approach to be used to reach the objective
- Restate objectives if discussion warrants
- Write down consensus statements
- Confirm that at the end of the discussion to see if the Team has met the objective and issues captured for action.
- Revisit "parking lot" to assess if issue warrants further discussion in another WG meeting or in a different venue.

DISCUSSION NOTES

Item:	Charter Comments
Lead:	Bill Mullen, DOI
Desired Outcome:	Discuss and finalize draft charter.
Additional Participants:	Jerry Johnston, Tod Dabolt, John Mahoney, Glenn Guempel, Jen Carlino
Discussion:	- Bill Mullen, DOI: The goal is to keep the charter generic enough to support the FGDC as a working group, being mindful that the GeoPlatform is the primary focus in the short term. We need to think about how to reach out to other working groups to identify areas that the ATWG can support - Glenn Guempel, FGDC: From the current draft, one of our responsibilities is to promoting the adoption of the geospatial platform across the Federal

government. This reads as an outreach activity, which may be duplicative of other FGDC functions.

- <u>Jerry Johnston, DOI</u>: The language is not meant to imply that the FGDC is the only mechanism for outreach.
- <u>Tod Dabolt, DOI</u>: I see it as more as knowledge sharing. A contractor may come in with limited experience of the organization. The ATWG could identify areas where capabilities may already exist that meet business needs, which limits unnecessary complexity.
- <u>Bill Mullen, DOI</u>: We will update the language so as to not imply full responsibility for outreach.
- <u>Bill Mullen, DOI</u>: Should we detail responsibilities for the chair, voting members, non-voting members, and ad hoc members invited by the chair?
- <u>Jerry Johnston, DOI</u>: An extreme level of detail may not be necessary. Decisions are generally made by consensus. Ultimately, the process for decision making and voting should be left to the chair.
- <u>Jen Carlino, FGDC</u>: The provision regarding non-federal members may have come from the Metadata Working Group. It would be good to outline that non-federal members are welcome to provide input and participate, but decisions are ultimately left to federal members.
- <u>Bill Mullen, DOI</u>: Can a voting member identify a designee in the event of an absence? The goal is to be flexible in terms of commitment, given that participation is voluntary.
- <u>Jerry Johnston, DOI</u>: This should be at the discretion of the chair. If someone is out for a period of time, that flexibility should be built into the process.
- <u>Bill Mullen, DOI</u>: We will update the language to provide a provision for identifying a designee in the event of an absence (e.g. the designated member will replace me for X period due to Y).
- <u>Bill Mullen, DOI</u>: What is the source of the chair? Should it be someone that has already served as a member or someone new to the ATWG?
- <u>Jerry Johnston, DOI</u>: Would leave it to group to decide.
- <u>Bill Mullen, DOI</u>: Language will be updated to clarify that the Managing Partners may propose a change in the lead, with a two year term as the target length of service.
- <u>Glenn Guempel, USGS</u>: Do members have a term?
- <u>Bill Mullen, DOI</u>: No.
- <u>John Mahoney, FGDC</u>: The focus should be on having the right people, rotating members as needed. We don't need to be too prescriptive.
- <u>Jerry Johnston, DOI</u>: We do need to ensure that partners that want to participate are able to engage.
- <u>John Mahoney, FGDC</u>: The current membership should be posted and maintained on the ATWG page on the FGDC website.

Item:	Conflicting Priorities
Lead:	Bill Mullen, DOI

Desired Outcome:	Identify process for reviewing and identifying conflicting development priorities.
Additional Participants:	Jerry Johnston, Tod Dabolt, John Mahoney, Glenn Guempel, Rob Dollison, Gary Latzke
Discussion:	• Bill Mullen, DOI: One role of the ATWG is to discuss conflicting priorities and areas of input from the community. What information do we need to know to help with the prioritization process? • Glenn Guempel, USGS: Is there a place that we can go to look at requirements? If not, we need to develop that process. • Tod Dabolt, DOI: Some background on how we are managing the development process in the absence of the ATWG. Development is guided by the Annual Work Plan, which is high level and dictates N number of releases (current four releases per year). At the macro level, there are items called EPICS (e.g. Map Manager, Performance Dashboard). Around each EPIC, there are user stories that are considered in terms of capability direction. Test cases are built against the user stories to determine requirements. The Executive Team is responsible for the high level vision and scheduling quarterly development meetings to monitor progress. The opportunity for the ATWG will be looking at user stories surrounding future capabilities and deciding which ones meet the most needs. • Tod Dabolt, DOI: Between bugs and change requests that won't be addressed in R4, there are about 100 items. We would like the group to take a first pass at current bug reports and change requests and identify items that are worth discussing. • Bill Mullen, DOI: As we get more into the business process, ATWG will have more transparency on what's going on. The first six months will be catch up given that the development plan is already in place through July. • Tod Dabolt, DOI: We are currently building the foundation. Once the foundation is laid, the opportunity for considering more critical tradeoffs wil be greater. One future requirement may be serving partners with raster imagery data. • Tod Dabolt, DOI: The current focus is on the software side of things. Gary Latzke manages the infrastructure side of things. The ATWG may also have a role in this space. If the ATWG identifies areas that are causing user or security issues, these should be brought to Managing Partners to schedule a "hot fix" process in between quarterly benchmarks. • Rob Dollison, USGS: Given the difficulty of moving open source software to the cloud, we should make an effort to prioritize and make recommendations.

	• Gary Latzke, USGS: We would look to ATWG to provide infrastructure and software requirements within Esri, Open Geo, and other ecosystems. We are working with Amazon to streamline process to consider and implement Authority To Operate (ATOs) under FedRAMP.
Item:	Web Service Utilization Reporting
Lead:	Bill Mullen
Desired Outcome:	Identify path forward for web service utilization reporting reccomendations.
Additional Participants:	Jerry Johnston, Tod Dabolt, Glenn Guempel, Rob Dollision
Discussion:	• Bill Mullen, DOI: Last meeting, Tod asked the group to consider web service utilization reporting, especially for NGDAs. If a service is experiencing downtime or not able to support demand, how should this be communicated to data providers? • Jerry Johnston, DOI: We will share the Performance Dashboard as it stands, so that the ATWG can begin to review and orient themselves. • Glenn Guempel, USGS: We would ultimately like to see measures of use and user satisfaction. Are there alternatives? • Rob Dollison, USGS: Part of the service evaluation should involve a feedback cycle between service providers and the GeoPlatform. • Glenn Guempel, USGS: It would be good to identify the priority goals. How do development priorities tie into the overarching goals of the geospatial platform? • Tod Dabolt, DOI: Offered to present the Map Knowledge Graph (MKG) concept at the next meeting. MKGs are an important idea that informs all of the planned development activities.

LOOK AHEAD

Next Meeting:	April – Date/Time TBD
Meeting Focus:	TBD
Location:	USGS Reston (Tentative)