

**Architecture & Technology  
Working Group (ATWG)  
Monday, February 8, 2016  
11:30 a.m. – 12:30 p.m. Eastern**

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**Location: Main Interior Building  
Room 7457 (OCIO Hallway)  
1849 C Street NW  
Washington, DC 20240**

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

**To join the Webinar via WebEx:**

Navigate to the following:  
<https://usgs.webex.com/usgs/j.php?MTID=m50daf97b4a20779b4b1c7568cc03bd0c>

**Audio Conference Instructions:**

Dial Toll free: (855) 547-8255  
Dial Local: (703) 648-4848  
Code: 94942701

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**AGENDA**

11:30 – 11:35	<b>Welcome</b>	<i>William Mullen, DOI</i>
11:35 – 12:00	<b>GeoPlatform Overview &amp; Planned Activities</b>	<i>Jerry Johnston, Tod Dabolt, DOI Gary Latzke, USGS</i>
12:00 – 12:15	<b>Discussion</b>	<i>ATWG Members</i>
12:15 – 12:25	<b>Draft Charter Comments</b>	<i>ATWG Members</i>
12:25 – 12:30	<b>Action Item Review &amp; Wrap-up</b>	<i>Thomas Myers, FGDC Support</i>
12:30	<b>Adjourn</b>	

# ARCHITECTURE & TECHNOLOGY WORKING GROUP

## MEETING MINUTES FROM MONDAY, FEBRUARY 8

**MEETING MANAGER:** William Mullen, DOI

**MEETING HOST:** Jerry Johnston, DOI

**RECORDER:** Tom Myers, FGDC Support

**GUESTS:**

Tod Dabolt, DOI, In-Person

Rob Dollison, USGS, In-Person

Glenn Guempel, USGS, In-Person

Jay Spurlin, Census, Phone

Jen Carlino, FGDC, Phone

Tianpu Liang, USDA, Phone

Joel Schlagel, USACE, Phone

Randy Warren, NOAA, Phone

Travis Hardy, FGDC Support, Phone

Jim Irvine, FGDC Support, Phone

### ***UPCOMING EVENTS***

**Esri Federal User Conference**

**February 24 – 26  
Washington Convention Center**

**NEXT WG MEETING:**

**March – Date/Time TBD  
USGS Reston**

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

### **Action Items**

- 2.1. WG Members** to review the consolidated draft charter feedback and provide comments by Friday, February 12, 2016.
- 2.2. WG Members** to consider the Service Utilization assessment requested by the Managing Partner.
- 2.3. WG Members** to settle on a date in March for the next ATWG meeting.

<b>REQUEST LIST</b>			
<b>CURRENT REQUESTS</b>			
<b>REQUEST</b>	<b>DESCRIPTION/SUMMARY</b>	<b>GEOSPATIAL PLATFORM FOCUS AREA</b>	
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	
<b>PREVIOUS REQUESTS</b>			
<b>REQUEST</b>	<b>DESCRIPTION/SUMMARY</b>	<b>GEOSPATIAL PLATFORM FOCUS AREA</b>	<b>STATUS</b>

**INTRODUCTION**

The ARCHITECTURE & TECHNOLOGY WORKING GROUP met at the DEPARTMENT OF THE INTERIOR on MONDAY, FEBRUARY 8.

<b>Working Group Members</b>			
<b>Name</b>	<b>Role</b>	<b>Organization</b>	<b>Contact Info</b>
William Mullen	Lead	DOI/IOS	<a href="mailto:william_mullen@ios.doi.gov">william_mullen@ios.doi.gov</a>
Glenn Guempel	Member	USGS	<a href="mailto:gguempel@usgs.gov">gguempel@usgs.gov</a>
Rob Dollison	Member	USGS	<a href="mailto:rdollison@usgs.gov">rdollison@usgs.gov</a>
Jay Spurlin	Member	Census	<a href="mailto:jay.e.spurlin@census.gov">jay.e.spurlin@census.gov</a>
Tianpu Liang	Member	USDA/NRCS	<a href="mailto:tianpu.liang@wdc.usda.gov">tianpu.liang@wdc.usda.gov</a>
Joel Schlagel	Member	USACE	<a href="mailto:joel.j.schlagel@usace.army.mil">joel.j.schlagel@usace.army.mil</a>
Randy Warren	Member	NOAA	<a href="mailto:randy.warren@noaa.gov">randy.warren@noaa.gov</a>
TBD	Member	FEMA	TBD
<b>Working Group Support Staff</b>			
Tom Myers	Facilitator	FGDC Support	<a href="mailto:myersiii.thomas@bah.com">myersiii.thomas@bah.com</a>

**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**

<b>Item:</b>	GeoPlatform Overview & Planned Activities
<b>Lead:</b>	Tod Dabolt, Jerry Johnston, DOI
<b>Desired Outcome:</b>	Background information and discussion.
<b>Additional Participants:</b>	ATWG Members
<b>Discussion:</b>	<ul style="list-style-type: none"><li>• <u>Jerry Johnston, DOI</u>: One goal of the ATWG is to prioritize new requirements as they come into the system. As of February 5, R3 of the GeoPlatform was published to the web. GeoPlatform used to be a 100% Drupal implementation. The current site still leverages Drupal, but many capabilities have been completely refreshed (i.e. Map Viewer, Map Manager). GeoPlatform is now hosted in Amazon Web Services (AWS).</li><li>• <u>Tod Dabolt, DOI</u>: GeoPlatform is currently on a 3 month release cadence. The Technical Team is targeting April for R4, June for R5, and September for R6. Requirements have already been established through R5. In the near term, we are looking at the ATWG to help assess conflicting priorities.</li><li>• <u>Tod Dabolt, DOI</u>: Release 3-4 capabilities represent foundational steps towards a shared open data and service experience for GeoPlatform.</li></ul>

Establishes the service, information, security, performance, portfolio-management and application framework for GeoPlatform.

- For General User: What national data resources are available in my area of interest? Let me view and interact with it.
- For Decision Maker: What's in my portfolio (i.e., data assets & services)? What's the maturity of my data assets? What's the health and status of my online services, for my assets?
- Tod Dabolt, DOI: R3 Highlights:
  - AGOL integration within Map Manager (no longer a separate application)
  - FGDC Service Checker integration within Performance Dashboard (linked to NGDA datasets)
  - GeoPlatform Style Guide Improvements applied across all new sites/applications.
  - Continuous Integration Process using DOI Cloud-approved instances
- Tod Dabolt, DOI: R4 Overview:
  - Community Engagement: new application, services, and tools for integrating with and enhancing GeoPlatform content.
    - Upgraded Marketplace Service (R4/R5)
  - Portfolio Management and Exploitation: New metadata tools for discovery of resources and linking data to services and other portfolio resources.
    - Data and Service Asset Registry (R4,R5)
    - Portfolio Management tools and services (APIs) for Developers and Communities (R6).
  - Measurement, Monitoring, and Reporting
    - QoS Service Tracker with service utilization (R4)
- Tod Dabolt, DOI: FY16 Priorities:
  - PaaS and SaaS offering
  - NGDA Services and Metadata
  - Enhanced Search and Discovery (Registry +)
- Tod Dabolt, DOI: Map Knowledge Graphs are a way of thinking about maps as a series of objects with unique properties. The concept informs the development of an improved search functionality, which is not embedded in R3, but is being worked in the background to improve user experience.
  - Jerry Johnston, DOI: Map Knowledge Graphs are wrapped around maps regardless of the technology platform (GeoPlatform, AGOL). Within a semantic search context, this allows us to take advantage of technologies without constraining users to one technology.
- Jerry Johnston, DOI: We've created a mockup for a Mobile Observation Service application. We don't have a formal standard for observations about a place. Many partners, including the Open Geospatial Consortium (OGC), have expressed an interest in such a standard.
- Rob Dollison, USGS: Has there been any discussion about notification services on GeoPlatform in the context of data and services?

- Jerry Johnston, DOI: This is something we are moving towards. We would like to monitor services and provide standard reports about quality, up-time, and utilization. We would look to ATWG to provide recommendations on measuring service utilization for external services. External services may be registered, but we do not have a good understanding on how they are being used. We have discussed associating services with API keys, but this may be intrusive to developers. Is there another path that offers some central visibility?
- Tod Dabolt, DOI: This is an overarching requirement for GeoPlatform. 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.
- Glenn Guempel, USGS: Is there a place to document best practice and standards?
  - Jerry Johnston, DOI: There is an existing document library within the Drupal environment, but it's not heavily used.
- Tod Dabolt, DOI: Priorities pre-ATWG: from an infrastructure standpoint, we are approaching GeoPlatform as both a Platform as a Service (PaaS) and a Software as a Service (SaaS) offering. We currently have an ATO for an Esri instance. We will be expanding this to include the Boundless suite. It will be possible to purchase a pre-loaded server in a managed environment.
  - Goal: for each NGDA, we want to have a high performing web service by the end of the year.
- Rob Dollison, USGS: What is the future of the Data.gov relationship?
  - Jerry Johnston, DOI: GeoPlatform.gov is currently a live feed to Data.gov. Data.gov is the national repository for open data and that won't change. What will change, is the user experience. We expect to get to a point where we are pulling registered Data.gov data and manipulating it on the Geoplatform.gov side. It may not always be a live feed.
- Bill Mullen, DOI: If the GeoPlatform is going to report on the quality of services, will there need to be leadership involvement to OK this type of correspondence?
  - Jerry Johnston, DOI: Yes, but the GeoPlatform.gov Performance Dashboard already provides general information about service performance. As this dashboard becomes more robust, we would look to the ATWG to make recommendations on report cards. Maybe ATWG owns the service quality report card?
- Glenn Guempel, USGS: Is the expectation that the FGDC would encourage partners to act based on our assessments?
  - Jerry Johnston, DOI: The logical next step is to raise the bar for data providers. This is where the GeoPlatform can help. If a data provider doesn't have the resources or infrastructure, we may be able to assist.
- Jen Carlino, FGDC: FGDC PMO is currently conducting a review of NGDA metadata, focusing on web services and direct download availability. Once

	<p>this is complete, the next step is to coordinate with agencies to get everything updated. If agencies need help, FGDC PMO would coordinate with the GeoPlatform to get them there.</p> <ul style="list-style-type: none"> <li>• <u>Bill Mullen, DOI</u>: As we move forward, we need to continue to consider the challenges that the FGDC and OMB has placed on the community in terms of re-use and duplication of effort.</li> </ul>
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**LOOK AHEAD**

<b>Next Meeting:</b>	March – Date/Time TBD
<b>Meeting Focus:</b>	TBD
<b>Location:</b>	USGS Reston