

**NOTICE AND AGENDA OF MEETING OF THE
ARIZONA GEOGRAPHIC INFORMATION COUNCIL
4D GEOSPATIAL DATA WORKGROUP**

DRAFT

A public meeting of the Arizona Geographic Information Council was convened Jan 19, 2023, at 2:00 PM on Google Meets. Present at the meeting were the following members or designees of the AGIC Data Committee – 4D Geospatial Work Group:

Table 1: Committee Voting Members

Member	Agency/Company	In Attendance
Mark Christiano, Co-chair	US Forest Service	Yes, phone
Jenna Leveille, Co-chair	AZ State Land Department	Yes, phone
Kevin Blake	Yavapai County	Yes, phone
Mary Darling	Darling Geomatics	No, without notice
Robert Davis	Arizona GIS	Yes, phone
Craig Erdman	Geo Engineers	No, without notice
Benjamin Hickson	Anderson Optimization	Yes, phone
Keith Larson	USDA NRCS	No, without notice
Arron Lee	VeriDaaS	Yes, phone
Jason Nyberg	Quantum Spatial	No, without notice
Chelsea Scott	OpenTopography	Yes, phone
Travis Woolley	The Nature Conservancy	No, with notice

Table 2: Public At-Large

Name	Agency/Company
Angela Arriaga	Aero-Graphics
Chris Bertrand	Tohono O’Odham Nation
Ashley Chappell	NOAA
Drew Decker	USGS
Eric Feldman	Maricopa County
Sue Hoegberg	Dewberry
Jason Howard	MAG
Allyson Jason	USGS
Danny Lawlor	Tucson DOT
Leandra Marshall	ADWR
Pat McGarrity	Retired
Mariah Modson	AZ State Land Department
Aryn Musgrave	Desert Botanical Gardens
Carol Ostergren	USGS
Barira Rashid	ASU Student
Karen Rogers	Dewberry

**NOTICE AND AGENDA OF MEETING OF THE
ARIZONA GEOGRAPHIC INFORMATION COUNCIL
4D GEOSPATIAL DATA WORKGROUP**

Faith Shelton	ADWR
Alex Spannuth	USFS
Jacob Thiel	Dewberry

- I. **Call to order:** Meeting was called to order at 2:05 pm; Introductions were made by the committee; ensuring attendance list was managed and quorum established.

- II. **Approval of December Meeting Minutes:** August meeting minutes were distributed prior to the meeting via email. Jenna asked for a motion to approve the minutes as written. Ben motioned and Robert seconded the motion. Motion passed unanimously without discussion.

- III. **Announcements:**
 - AGIC Annual Leadership Workshop | Feb 2, 2023 | 10a - 12p | Hybrid | ADOT Training Facility

 - AGIC Council Meeting | February 2, 2023 | 1p – 3p | Hybrid | ADOT Training Facility

- IV. **2023 Agenda Changes and Proposed Goals:**
 - New standing agenda items
 - Geo-Inspiration, to do a quick highlight/overview by folks on the call about current or future projects.

 - Community Help Desk, to provide a space for people to ask questions and hopefully get input from someone on the call with an answer or a direction towards resources.

 - Projects/engagement
 - Event planning and support
 - AGIC Data Committee Spring Geospatial Summit
Previously called the ‘Spring Symposium’, this event is a collaboration of this workgroup with the Natural Resources and UAS workgroups. A date has not yet been determined.

 - AGIC Education & Training Symposium
Currently scheduled for the end of September but there is a major conflict that is a cause for rescheduling. That is in the process of being figured out.

 - Education
 - New 4D Geospatial Data Hub Site/Website
With the change in name of this workgroup, Jenna and Mark are looking for volunteers to help re-visit the current Hub Site page to work on improvements.

**NOTICE AND AGENDA OF MEETING OF THE
ARIZONA GEOGRAPHIC INFORMATION COUNCIL
4D GEOSPATIAL DATA WORKGROUP**

- Transforming the acquisition plan into a guidance doc
Now that the acquisition plan is out of date since this group first formed, the idea is to transition it to a living document that can outline how the process of acquiring LiDAR themselves.
- Collaborative projects
 - 3DHP Workgroup (merging with Natural Resources volunteers)
Since the format of the 3DHP seems similar to what this group knows about 3DEP, Mark proposed a subgroup of volunteers from both this group and the Natural Resources group to discuss the process, and educate others.
 - Contours on AZGeo for existing LiDAR
Mark suggested creating statewide datasets to host on AZGeo, such as contours from the existing LiDAR, since it is something that takes time and is part of the knowledge base of this group. A workflow would need to be created, along with specific metadata for it to be shared on AZGeo.
- V. **Geo-Inspiration:** Chelsea Scott volunteered to share a little about her work. Going with the topic of contours, she informed the group of a recent tool added to their site that enables a user to draw a box around an area of interest and the tool will automatically generate contour lines. Robert Davis had a project with the NRCS about using LiDAR to locate rock berms in the Brawley Wash. Alex Spannuth's highlighted USFS's work in demonstrating a variety of real-world application of imagery analysis.
- VI. **Community Help Desk:** Mark asked for assistance if anyone has experience in packaging LiDAR.
- VII. **3DEP Update:** Drew Decker gave his regular update on the statuses of LiDAR collection projects across Arizona. Completed projects include Yavapai County, with upcoming collections including Mohave County and the Navajo Nation areas.
- VIII. **BAA Discussion:**
 - Open discussion and updates on AZ BAA applications
Mark Christiano submitted an application for a project strip near the Kaibab National Forest.
 - USGS Planning tools:
 - [Seasketch planning tool](#)
 - [US Interagency Elevation Inventory](#)
 - [Data download for existing lidar data](#)

**NOTICE AND AGENDA OF MEETING OF THE
ARIZONA GEOGRAPHIC INFORMATION COUNCIL
4D GEOSPATIAL DATA WORKGROUP**

- IX. **Presentation – Sue Hoegberg, 3D Nation Study Results:** Sue, Allyson Jason, and Ashley Chappell presented on the results from the USGS 3D Nation Study. The goal of this study was to 3D elevation data requirements and benefits in the coastal zone. Participants were asked a variety of parameters for the data in order to perform the mission critical activity: quality level, update frequency, seamlessness, and integration with other datasets. Participants were then asked to quantify their benefits in terms of dollars and hours. All fifty states responded, along with fourteen academic participants, with thirty-four private companies, for a total of 1,350+ Mission Critical Activities. Arizona specifically had 249 responses regarding inland topography. Over 60% required QL1 or QL2 deliverables, in an average of a 3–4-year update frequency. In total, future annual benefits totaled over \$13 billion. This amount is likely underestimated as some 40,000 small engineering/surveying firms did not partake in the study. The final report was published in September of 2022 and can be viewed in full [here](#).
- X. **Call for Team Volunteers:** Volunteers are needed for updating the workgroup’s Hub Site, transitioning the acquisition plan into an acquisition guideline, helping with and/or speaking at the Data Committee Geospatial Summit, and for speaking at future workgroup meetings.
- XI. **Discussion and Call for Future Presentations:**
- XII. **Information or Topics for Future Meetings:** A topic for next time includes the workplan for the AGIC Council. Next meeting is April 20th.
- XIII. **Adjourn:** Meeting adjourned at 3:35pm.