

**MINUTES OF MEETING OF THE ARIZONA
GEOGRAPHIC INFORMATION COUNCIL
August 4, 2022**

A public meeting of the Arizona Geographic Information Council was convened at 10:01 AM on August 4, 2022, as a Phone in (877-309-3457) and Virtual Webex Meeting (azgov.webex.com, meeting number 2464 646 7987, and in person at AZ DEMA - Emergency Operations Center, 5636 E McDowell Rd, Phoenix, AZ 85008. Present at the meeting were the following members or designees of the Arizona Geographic Information Council:

AGIC Officers

Name	Agency/Company	In Attendance
Eric Shreve, Chair	Arizona Dept of Administration – 911 Office	Yes, in person
Kevin Blake, Vice Chair	Yavapai County	Yes, in person
Shea Lemar, Chair	Arizona State University	Yes, Virtual
Lucas Murray, Treasurer	Arizona Dept of Economic Security	Yes, Virtual
Phillip Leveille, Secretary	Maricopa County Assessor's Office	Yes, Virtual

AGIC Board Members

Name	Agency/Organization	In Attendance
Jack Avis	AZ Professional Land Surveyors	No
Christian Black	United States Air Force	Yes, virtual
Mark Christiano	United States Forest Service	Yes, virtual
Jay Corum	United States Bureau of Reclamation	Yes, virtual
Michael Dennis	NOAA - National Geodetic Survey	Yes, virtual
Nicole Eiden	Arizona Department of Health Services	No, with notice
Kris Estes	City of Buckeye	Yes, virtual
Eric Feldman	Maricopa County	No
Mike Hilstrom	Arizona Department of Water Resources	Yes, virtual
Jason Howard	Maricopa Association of Governments	Yes, virtual
Julie Jamarta	Pima Association of Governments	Yes, virtual
Wesley Kortuem	Arizona Department of Health Services	No
Keith Larson	USDA Natural Resource Conservation Service	Yes, virtual
Jenna Leveille	Arizona State Land Department	Yes, in person
Christopher Lukinbeal	University of Arizona	Yes, virtual
Ryan McClain	Arizona Department of Public Safety	Yes, virtual
James Meyer	Arizona Department of Transportation	Yes, in person
Julie Mikolajczyk	Arizona Department of Environmental Quality	Yes, virtual
Veronica Nixon	Arizona Department of Water Resources	No, with notice
Phil Ponce	Engineering Mapping Solutions	Yes, virtual
Dave Roby	AZ Dept of Military and Emergency Affairs	Yes, in person

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Name	Agency/Organization	In Attendance
Leslie Stovall	Gila River Indian Community	No
Gene Trobia	Arizona State University	Yes, virtual
Patrick Whiteford	Arizona Department of Transportation	Yes, in person
Steve Whitney	Pima County ITD GIS	Yes, virtual

Public at Large

Name	Agency/Company	In Attendance
Brian Bond	Yavapai County	Yes

I. Call to Order:

Jenna Leveille called the meeting to order at 10:01am. Jenna Leveille took roll call of the council officers and members; attendance was recorded, and Quorum was established. The public should place their name in the chat if they wish to speak to the board when called upon and / or be listed as public members in attendance.

II. Approval of Minutes:

A motion to approve the May 2022 meeting minutes was made by Kevin Blake and seconded by James Meyer. There was no discussion, a vote was held, and the motion passed unanimously with no abstentions.

III. Announcements:

Eric Shreve reminded the council that the AGIC Education and Training Symposium is coming up in Prescott, August 30 through September 2. Registration is still open, and Maps and Aps submissions will be accepted until August 19.

IV. Budget Update:

Lucas Murray, AGIC Treasurer, reviewed the budget report provided to the Council prior to the meeting. Jenna clarified that the office supplies listed were for the Spring Symposium, as apposed to the Fall event; Lucas noted the clarification.

V. Items from the Chair:

A. AGIC Vice Chair Nominations

Eric Shreve shared that Nominations are being accepted for the AGIC Vice-Chair, so please submit!

B. URISA conference

Regarding the URISA GIS Pro conference coming up in Boise in October; Eric shared that he plans to present on behalf of Arizona talking about our geospatial supply chain to next gen 911 requirements but needs approval prior to going.

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C. ESRI UC Debrief

Jenna Leveille updated the council on some of the activities from the ESRI UC. She shared that there were two Arizona recipients of ESRI Special Achievement in GIS (SAG) Awards:

- ASU Library & Map Geospatial Hub - 3D Explorer Application
- Pima County - Re-architecture of PimaMaps

Perspectives were shared about some UC experiences, including from Phil Ponce and Dave Roby. There were networking successes and overall positive feedback for ESRI and the interactions on the floor of the conference.

D. Imagery and NAIP Status

Jenna shared that they are creating the image service on AZGeo and it will be available soon.

Mark Christiano shared that USFS is working to acquire imagery and lidar for crooks and tunnel fires through Surdex at a great price.

Jenna continued that discussions to possibly get better resolution or additional products through the NAIP program should be held and wanted to open the topic to the council. Mark also shared that there are new safeguards to prevent poor quality due to timing of flights, and that purchases would automatically roll to the following year(s). It was discussed that a follow up meeting should be set up and Jenna stated she can invite the NAIP program manager. Kevin Blake suggested setting up a working group and volunteered to participate. Jenna shared that this would be a temporary workgroup and asked those interested to email Jenna to participate. The expectation would be for the first meeting to be after the AGIC conference, but discussions should start right away.

E. State Procurement Office and ESRI MPA

Ryan Johnson updated the council on the State Procurement Office and status of the ESRI Master Purchase Agreement. He shared that currently there is no active MPA in place and that SPO was pursuing an RFP. Ryan also shared that the State Land Department was asked by SPO to write requirements and Land is currently unable to provide that due to the heavy lift involved. Jenna asked Ryan to expand on what was requested. Ryan outlined that they basically asked for a user story for each function to a finite detail, causing the request to appear untenable.

Jeff Wolkove inquired if any other state has already gone through this and put these requirements together? Jenna shared that New Mexico went through a painful process with a two-year gap of being able to purchase products. Eric inquired if AGIC members could backfill any missing information if we were able to obtain another state's previous work. Jenna shared that an additional update would be shared at the November council meeting. Ryan mentioned that there could be a couple of potential temporary solutions, but all are uncertain. He noted if the MPA was utilized, a sole source competition impractical could be done to pay maintenance, or possibly a ELA. There is not a high level of confidence for a statewide EA, or ELA as it would need to be maintained. James Meyer shared that any statewide ELA would need to have federal terms and conditions applied or funding would be jeopardized.

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F. NSGIC Update

1. Annual Conference | Portland, OR | Sept 19 – 23

Jenna shared that the annual NSGIC conference is coming up in Portland, OR on September 19th through the 23rd with strong participation from Arizona, and Kevin's travel has been secured. Many federal partners are expected to be there, which may open additional opportunities for cooperation.

2. AGIC NSGIC Membership – Council + 5 Geospatial Leaders

Jenna announced that she learned through discussions at NSGIC, that Arizona was not following the intent of "Unlimited" membership for councils, and the vagueness was to allow different councils of different sized from all the different states to participate. The updated guidance is for council members and five (5) additional Geospatial Leaders to be included. The Admin and Legal committee recommended five leaders to be discussed during the action items portion of today's meetings. Jenna reminded the council of some of the benefits of NSGIC membership including access to webinars, and much more on myNSGIC.

3. GDA Amendment

The Geospatial Data Act Passed in 2018, and the reporting on implementation basically ends up being just a rubber stamp. The idea is to drive an effort to complete the implementation and track geospatial assets to identify potential waste, like duplication of efforts. Currently there is duplication of efforts. NSGIC policy and leadership, with believed involvement of two Senators, are discussing an amendment to the GDA to include tracking the money, and language for governance of data. An important note is that every level in this discussion needs a voice, specifically the local authoritative data. More discussions will take place at the NSGIC annual conference.

4. Community Maps as support for NSDI

Jenna brought to the council's attention that Community Maps are being discussed at a way to support the NSDI by filling in gaps missing authoritative data. The question being posed is if this model be used to bring data together and Augment the NSDI and provide governance, hoping to provide parcels, or addresses where there aren't any, etc. ESRI has already established a hierarchy to prioritize authoritative data.

5. BIA Land Area Representation Data - Update

Jenna reminded the group that BIA released boundaries produced from old tabular data, and did not comply with the GDA. BIA and federal agencies are required to consult with tribes and locals, which did not occur. Jenna met with BIA and the people in this program and partners at the National Tribal Support System. The outcome is that they retracted the data, starting the process of consultation with the tribes. The downside is that it will take time, but I will be better and hopefully some relationships built. For Arizona, they will consult through AGIC to consult with the State

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and local governments that have interest adjacent to tribal areas. We should here more in the next six months or so. States will be last, tribes first and the requirement is to consult tribal elders, not just GIS people.

6. **NAD White Paper Final**

Some of the AGIC council members worked on a White Paper on the NAD because Arizona was one of the first states to submit addresses. The purpose was to encourage other states to contribute. That paper was finalized and being published by US DOT.

VI. **AGIC Symposium Update**

Steve Whitney shared a symposium update including Covid precautions. Attendees are asked to voluntarily vaccinate and test daily three days prior to arrival. Stickers for attendees will be available to indicate interaction comfort levels. The social networking locations are being reviewed in lieu of the standard hospitality suite, most likely the Granite Mountain Room or the Eagles Nest. Hotel staff is already required to wear masks while working. The conference committee also decided that if a sponsor or participant cancels due to covid, full refunds will be provided. Steve also shared that 190 attendees have registered and 6 student sponsorships were awarded. All are encouraged to submit more maps & aps and the agenda has been finalized. The conference committee is also beginning a review of the Cvent event management software renewal. They are taking a hard look at cost and return, probably leaning toward not renewing and looking for other alternatives, including other software or potential contracting. The current renewal for Cvent would be about 15k per year. Jenna commented that they felt like they worked just as hard with or without the event management software. The council should be aware that if a need comes up, we may need a special session meeting prior to the regular session in November. Phil Ponce shared a perspective that we may want to put together a speck on this and there are people in this group that could possibly put something together, support or repurpose some other work? More information or discussions will follow.

VII. **Committee / Work Group Announcements**

Kevin Blake shared the following announcements:

Eric Feldmen from the Admin and Legal committee is retiring! Lucas Murray has been selected as the new Co-Chair. They are also working on the AGIC members manual and the Annual Report template.

The AZGeo Advisory group announced the deployment of the ArcGIS Portal for large data contributors and should reduce overall costs.

The Lidar WG is now renamed to the 4D Geospatial Workgroup, reflecting the work this group does.

The National Resource Workgroup is working on identifying authoritative data sources for applications and story maps.

The State Plane Coordinate System Workgroup is working with APLS on recommendations to present at future meetings.

The Cadastral workgroup is finalizing a questionnaire to send to all parcel administrators.

The UAS Workgroup has partnered with Green Drone and SciTech to finish all the story maps lessons and activities for the Green Drone middle and high school

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programs.

The Outreach committee is working on a white paper for tagging and standards for what constitutes authoritative data. Outreach also has quarterly social networking events, which should be coming soon. The AGIC YouTube channel is up and running, council members were encouraged to check it out.

The Public Safety Committee has created a Hub Page on AzGeo and the committee is facilitating education and outreach for nationally recommended guidelines. The committee also created a new Statewide Evacuation Boundary Workgroup focused on coordinating statewide evacuations.

VIII. Committee / Work Group Action Items

A motion to update the NSGIC membership with five (5) non council geospatial leaders was made by Shea Lemar and seconded by Eric Shreve. Discussion included the five recommended members: Brian Bond, Kasey Green, Jami Dennis, Tom Homan and Jeff Wolkove, who have all agreed to participate and bring back what they learn to Arizona. Shea shared that the decisions were made based on the leadership in committee and workgroups, along with the current priorities for AGIC and NSGIC. Those chosen are actively involved and have expertise in their fields. Jenna shared the level of involvement of these five. For example, Brian Bond is very active in 911 and national groups. Jami Dennis is the NSGIC representative on the GISCI board and does a lot of volunteering with and promoting the next generation of geospatial leaders. Kasey Green is the AZGeo data curator and NSCIG offers a network of people doing similar work and can share best practices. Tom Homan is a leader in our state for local and rural Arizona and is involved in many areas of interest like UAS, 911, emergency response. He is also the GIS manager for Gila County, so offers a unique rural county perspective. Jeff Wolkove is our state data architect and very involved in data across the state helping us with data management and best practices. Jenna supports the selection of the representatives. Eric Shreve and Kevin Blake echoed similar sentiments and support the selection. A vote was held, and the motion passed unanimously with no abstentions.

IX. Committee / Work Group Presentations

A. 4D geospatial Data Workgroup:

Mark Christiano presented about the USFS BAER (Burned Area Emergency Response) program, specifically demonstrating the three items they look at. The BARC or Burned Area Reflectance Classification which happens 7 days after a fire. 45 days after the fire RAVG which is key to timber operations to understand tree damage. Finally, the MTBS is for monitoring trends of burn severity about a year later to review how much vegetation came back. Mark spoke about using Sentinel which passes over every 5 to 6 days as opposed to Landsat's 16 day cycle. Mark walked through how the forest service used these resources exemplified in the Tunnel fire and the Pipeline fire, demonstrating many of the maps produced during the process and pointed out some difficulties presented by burn scars occurring over previous burn scars. Mark also showed how the soil burn severity maps then aid identifying areas of high vulnerability to flooding, taking into account the hydrophobicity, or ability for the water to penetrate the soil. From there they can produce debris flow probability maps and treatment

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maps for potential future actions, which is tied back to the health, life and safety, but also to protect resources.

Eric Shreve asked if there is a mechanism for prioritization or timelines of servicing fires or post fires, especially during the busiest part of the fire season. Mark stated that the policy is that the soil severity maps are produced 7 days after fire containment, so the BAER team is usually on site prior to containment and try to get the data out as quickly as possible. The data is ultimately posted to the USFS websites for public download. Early results are generally only shared with appropriate locals.

Eric asked if a fire happens on state land, and doesn't have resources, can they reach out and request assistance. Mark believes there is a mechanism, but the BARC data is fairly easy to produce. He did not know policy to help states, but if nothing else the BARC data would be beneficial, especially considering a soil scientist is needed to produce the data. Mark also shared that there is a survey 123 form customized for Region 3 (Arizona) which is available and that the lidar elevation data has been instrumental for producing the debris flow and burn severity maps.

B. Natural Resources Workgroup

Jay Corum presented on the Natural Resources Workgroup, their mission to facilitate geospatial data sharing and tools to support natural resource work in Arizona, and how they accomplish their goals. Jay shared about the creation of the Natural Resources Workgroup Hub page, which they are leveraging to collaborate and develop best practices. The site has a lot of documentation and resources. Currently, a main effort is the NHD pilot project which a sub team in the workgroup are focused on. They are working closely with USGS for training and learning how to update the data and working with SMEs across the state familiar with the watersheds. Another sub-team is working on developing the editing workflow for updating the PAD. Along this effort, they are creating a stakeholder review process of PAD edits. Jay also mentioned the upcoming Natural Resources items at the annual training symposium as well as continued regional events. There is a panel discussion at the AGIC conference which the committee invited non-GIS managers to be a part of the discussion to offer feedback to the geospatial community.

X. Comments / Requests for Topics in future meetings

Eric Shared that the next council meeting is November 3, 2022, at 10am with another potential hybrid solution. Eric asked for any comments or discussion items, and Jenna shared that there will be a update on the NAIP and the MPA. The council was also reminded to submit Nominations for the next Vice-Chair.

XI. Call to the public

Eric Shreve issued a call to the public, if there was anyone who registered to address the council and received no response.

XII. Adjourn

Without objection, Eric adjourned the meeting at 11:33am.