

**MINUTES OF PUBLIC MEETING OF THE
ARIZONA GEOGRAPHIC INFORMATION COUNCIL
DATA COMMITTEE**

A public meeting of the Arizona Geographic Information Council was convened on January 12, 2022 at 10:05 am on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee:

Table 1: Committee Voting Members

Member	Agency/Organization	In Attendance
Howard Ward, Co-Chair	TerraSystems SW	Yes, phone
Jenna Leveille, Co-Chair	AZ State Land Department	Yes, phone
Jack Avis	Pima County	Yes, phone
Kevin Blake	Yavapai County	Yes, phone
Jerome Breyer	GIS Works	No w/o notice
Helen Costello	Coconino County	No w/o notice
Nicole Eiden	AZ Dept of Health Services	Yes, phone
Eric Feldman	Maricopa County	Yes, phone
Bo Guo	Gistic Research	No w/o notice
Ben Hickson	Pima Association of Governments	Yes, phone
Boyd Larkin	AZ Dept of Revenue	Yes, phone
Keith Larson	NRCS	No, with notice
James Meyer	AZ Department of Transportation	Yes, phone
Jason Nyberg	Quantum Spatial	Yes, phone
Phil Ponce	Engineering Mapping Solutions	No, with notice
Jill Sherwood	ASU	Yes, phone
Susan Smith	AZ Forestry and Fire Management	Yes, phone
Jamie White	City of Pheonix	Yes, phone
Steve Whitney	Pima County	Yes, phone
Andrew Zaffos	AZ State Geologic Survey	Yes, phone

Table 2: Public Members at Large

Name	Agency/Organization	In attendance
Brandon Barnett	ASLD	Yes
Lynda Bell	NOAA – NGS	Yes
Jim Castagneri	Census	Yes
Mark Christiano	USDA USFS	Yes
Brian Colson	ADWR	Yes
Drew Decker	USGS	Yes
Kam Draper	Data Axel	Yes
Brian Fisher	AZ NGS Coordinator	Yes
Kasey Green	ASLD	Yes
Wolfgang Grunberg	DFFM	Yes
Elizabeth Heller	ADWR	Yes
Cory Homuth	ASLD	Yes
Johanna Kraus	NW Fire District	Yes
Shea Lemar	ASU	Yes

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Name	Agency/Organization	In attendance
Seth Lewis	City of Tempe	Yes
Mariah Modson	ASLD	Yes
Tom Mueller	Cochise County	Yes
Margo Neff	Coconino County	Yes
Veronica Nixon	ADWR	Yes
Chuck Powell	Westland Resources	Yes
Thara Salamone	AZ Demographer's Office	Yes
Carrie Schmidt	ASM	Yes
Aaron Seifert	Guardian Medical Transport	Yes
Eric Shreve	ADOA – 911	Yes
Leslie Stovall	GRIC	Yes
Aparna Thatte	Self	Yes
Elisabeth van der Leeuw	Pima County	Yes
David Waltz	ADWR	Yes
Antonio Wickliff	City of Tempe	Yes
Jeff Wolkove	ADOA	Yes

I. Call to Order: Meeting called to order at 10:03 and a quorum was established

II. Approval of the October meeting minutes: Ben Hickson motioned to approve the October Meeting Minutes; Kevin Blake seconded. There was no discussion and the minutes were approved unanimously

III. Announcements

- UA Geospatial Seminar Series 2022 – kicks off Jan 27 with AZGeo Tips and Tricks | Free | Registration required –Link in agenda to register.
- UA is hosting The OSM State of the Map Conference in Tucson, April 1-3, 2022 | Registration | fee to attend – agenda has link or reach out to Jenna
- AZGeo Advisory Committee Meeting – January 18, 2021 1 PM – place to get latest AZGEO information; email Jenna if you want to get on mailing list; place to get heard about your ideas for AZGEO.
- AGIC Leadership Workshop – Feb 3, 2022 10 AM – on 4th year; workshop; this is where community works on goals for AGIC; chairs and co-chairs and community members. All all welcome.
- AGIC Community/Leadership Workshop Survey – Closes Jan 19. Jenna sent out link and that link is also in agenda; please fill out; more info means better organization; leads to strategic direction for AGIC. New thing is Council is working on are metrics and these will come from survey responses.

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- AGIC Council Meeting – Feb 3, 2022 1 PM – this meeting will include orientation for new council members; it is open to everyone; comment and discussion limited to end for general public; email Jenna for an invite.
- AGIC has a YouTube Channel – 2020, 2021 Symposium videos and 2021 AGIC Workgroup events are available – for last two years plus WG activities have been added. There is a link in the agenda.
- AGIC Education and Training Symposium will in person in Prescott for 2022. August 30-Sept 2, 2022 – Conference Committee signed a contract for Fall. Tue to Friday. Some recorded content; may be hybrid, but so far just in person.
- Mentor program – 20 mentors and students signed up; many ASU students; quandary on how to get entry level job. Mentees are looking for experience and will work for free. This is an application-based program; most that applied were accepted; application period is closed; we just kicked off year long program. UofA put out call for UA MA-GIST program in the chat box

IV. Workgroup Activity Summaries

Howard summarized the written reports submitted by each Workgroup in advance of the meeting

- **Arizona State Plane Coordinate System 2022 (SPCS2022) Workgroup**
 - The SPCS2022 Workgroup has not met since March 10, 2021. The workgroup status is the same
 - Final zone designs were submitted to NGS for Arizona’s SPCS2022 designs and we await a response.
 - An AGIC Poll to clarify stakeholder needs was conducted to help in the finalization process for the zones.
- **Cadastral Workgroup**
 - This group has not met since the last Data Committee meeting.
 - The Chairs are working to finalize the Cadastral Workflow document approved by the Council in November and develop the requested narrative to accompany it.
 - There is not a workgroup meeting planned at this time. The Chairs will plan a meeting for February where the results of the NSGIC Geospatial Maturity will be discussed and goals will be developed for 2022.\
 - Jack Avis commented: Cadastral Workflow Narrative is 95% complete, looking for reviewer. Contact Jack if interested

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- **UAS Workgroup**
 - Completed UAS landing page on AZGEO:
 - Next Steps for this group:
 - Working on approved K-12 outreach goal with SciTech Festival and several other parties.
 - Develop a 2022 Fly-In hybrid event including new location, topic and Spring date to align with AGIC yearly calendar

- **LiDAR Workgroup**
 - Met Nov 16, 2021 to review announcements from other workgroups and AGIC, including Mentorship Program.
 - Discussed upcoming BAA awards including an update from Drew Decker.
 - Provided an update on LiDAR Acquisition Plan
 - Mark and Jenna led a discussion on goals and direction for 2022. Mark and Jenna subsequently met in December to continue the discussion
 - Recapped AGIC Conference, highlighting various presentations and tracks.
 - The WG will be proposing a name change and will facilitate cross WG meetings with UAS and NR WG's in the Spring.

- **Natural Resources Workgroup**
 - The WG met in October. Jeremy Johnson resigned as Co-chair; Jay Corum (BOR) was voted in at the October meeting.
 - Hub site team continues to meet monthly to continue to expand the NRWG presence on AZGeo. They are working on adding authoritative data sources, relevant applications and story map use cases.
 - Elisabeth VanderLeeuw and Jay Corum moderated the NR Special Interest Group tracks at the AGIC Symposium.
 - In December NRWG organized and held a Presentation Series event, in alignment with the NRWG Work Plan. The event was held virtually for approximately 3 hrs highlighting the geospatial natural resources related to drought and climate change activities occurring in Arizona.
 - 94 participants and 3 presentations from The Kyl Center, Bureau of Reclamation, and USGS.
 - The proceedings are available on the NRWG AZGeo Hub site and AGIC YouTube channel.
 - A subgroup was formed to explore updating the Protected Areas Database.
 - NHD Pilot Project Workgroup continues to meet
 - Data Analytics Team update
 - Finished reviewing pilot area HUCs

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- Identified ADWR data will be the base data to build on
 - Identified areas where geometry needs updates/changed
 - Determining if there is an automated way to update
- Working with USGS (Drew Decker) to determine integration into NHD process
 - ASLD has requested and received the required Arc extension for data integration
- Volunteers are drafting a scope of work that would outline the requirements to completely update the NHD for Arizona
- The next Pilot Team meeting will be at the end of January

V. Follow-up from October Meeting (Jenna)

- Desired skills list for entry level GIS positions – suggested in Oct that it would help succession and in general to give guidance; Jenna created a Mentimeter interactive survey which she presented and for which we received a lot of great input. Jenna and Howard will summarize the input and upload to the AGIC website when complete
- Authoritative data on AZGeo – had some comments on October related to confusion on which data was authoritative. Jenna sent on these comments to AZGEO advisory and they discussed at their November meeting and will continue discussion at their next meeting, on Jan 18th 1 p.m.

VI. November AGIC Council Meeting Highlights (Draft Minutes) (Jenna Leveille)

- Kevin Blake elected AGIC Vice-chair
- Workplan timing – extended timeline; May to May will be timing; due at May Council meeting.
- Cadastral Data Workflow Approved – will become guidelines supported by AGIC.
- Committee/Workgroup Annual Metrics – Council wants annual report with metrics. Questions on the survey will be related to metrics.

VII. AZ Data Governance Organization Policy Update (Jeff Wolkove)

- Jeff, the State Data Management Architect with ADOA, showed a Powerpoint sharing what the major changes were. The data governance policies originally created in 2016 can be found on (<https://aset.az.gov/policies-standards-and-procedures>). A screen shot from the PPT is shown below

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P4400 - Data Governance Organization Policy Rev. 2.0

Defines the Data Management functional organization within an enterprise

Highlights:

- New implementation guidelines are stratified based on agency size
- For larger agencies (>= 150 employees):
 - Establish an Enterprise Data Management Office (EDMO) headed up by an Enterprise Data Management Officer (CDO or equivalent)
 - Outlines responsibilities of the EDMO
- Updated language in the following areas:
 - Requirements for Data Governance Council and Data Management Committee
 - Responsibilities of Data Owners, Stewards and Custodians
 - Provide technology, tools and enablement
 - Provide training for data stewards (existing course on Tracorp)

Status:

- Initial comment period ended December 17
- Adding Implementation timeline & releasing for additional 2-week comment period
 - Proposed implementation of new requirements by December 31, 2022
 - Effective February 1, 2022

- Jeff recommends visiting the website and contact Jeff with any comments or concerns. Shea asked if it only applies to State agencies and Jeff confirmed;

VIII. NSGIC Geospatial Maturity Assessment (Jenna Leveille)

- NSGIC does a [GMA](#) every other year for the nation. It is survey-based and graded by subject matter experts. The GMA is looked at by a lot of people so it is important. It is organized into nine themes: 5 state led; 4 federally led. Jenna enlisted help across state to answer this latest survey. Our overall grade for 2021 is a B-minus. The detailed grades are shown below.

ASSESSMENT 2021	
Arizona Report Card	Overall Grade: B-
COORDINATION	GRADE: A
STATE-LED THEMES	
Address	A-
Cadastre	F
Elevation	C-
Orthoimagery Leaf-Off	D+
Transportation	A
FEDERAL-LED THEMES	
Geodetic Control	B-
Government Units	A
Hydrography	B
Orthoimagery Leaf-On	B
<small>METRICS: A - Superior C - Average F - Failure B - Above average D - Below average N/A - Not Applicable</small>	
<small>The National States Geographic Information Council Geospatial Maturity Assessment provides NSGIC members and other partners with a summary of geospatial initiatives, capabilities, and issues within and across state governments.</small>	

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- Low: cadastre went down from C- to F. One component in the cadaster grade was parcels: not having them freely available statewide in a standard schema is the reason we dropped.
- Low: Ortho imagery leaf off. NAIP covers our leaf on category. This is a little mis-leading: in Arizona, we do not need a leaf off data set due to low demand, so there is not a lot of motivation to do given NAIP; so misleading.
- Jenna noted the importance of the GMA. Mark Cristiano asked if our elevation grade improved and Jenna; thinks it got better. Brian Fisher asked why geodetic control net is B-; Jenna thinks it is because our CORS system is still out of date.
- More [detail](#) on the GMA can be found on the NSGIC on website where the dashboard can be used to see how Arizona compares with other states.

IX. NGS CORS Activity (Lynda Bell)

- Lynda, our regional advisor from NGS could not attend the meeting so Jenna filled in. CORS was established through AGIC and the original NGS office. Because of funding issues, it has been under ADOT for quite some time. Where ADOT has struggled is with the maintenance cost because their budget is not large; some challenges to the budget include mandatory upgrades at NGS and to datums that influence this. NSRS is dependent on CORS and some of our stations don't meet the new requirements and will be depreciated if we don't take action. We will need to establish a group of stakeholders to make it sustainable long term and bring up to standards.
- CORS is used for Lidar and a lot of other key tasks. Therefore, it is important that we create a Workgroup to develop a maintenance and response plan; funding (public/private), education, documentation of use cases and outreach should be part of Workgroup mandate; The Workgroup should work with NGS on foundational CORS.
- APLS is interested in participating. Brian Fisher proposes to create a workgroup which would be advisory to AGIC; complimentary and not duplicative. Brian explained the difference between AGIC and APLS roles is that AGIC is more an administrative discussion (e.g. funding and operation) and APLS represents users (functions). Jack Avis noted that once it is up and running and operational, NGS can provide the host service to provide access to the large amount of data. The CORS is needed to support mobile mapping and is therefore important to AGIC and APLS.
- Eric Shreve asked if a white paper be created that goes over the ask and what is at risk if nothing happens? Jenna noted that Brian and Jack are willing to document in a paper but that would happen after we vote today. Brian noted a good use case would be in controlling LiDAR surveys; Mark Cristiano noted that case studies are good; but dollars lost to a diminished CORS is more effective. Brian said if we compare the increased cost of ground survey control to control

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vs CORS; then multiplied that by the number of survey jobs in Arizona, it would be a very large number. Jack noted real time data collection makes it so much easier to get level of confirmation for both GIS and Survey. James Meyer offered that ADOT could do a very solid C/B analysis. He suggested involving Virgil Coxon (Chief Surveyor) from ADOT.

- Motion to approve a CORS Workgroup under the Data Committee: Jack Avis amended to include investigate C/B statewide in AZ; S Whitney seconded. The motion approved unanimously.
- Jenna asked meeting participants to put name in chat to participate in WG; will work with Jack for interim chairs for group.

X. Statewide/Regional Data (Jenna Leveille)

- Redistricting (<https://redistricting-irc-az.hub.arcgis.com/>) – is final and link is here and in the agenda. Working on AZGEO to ingest and provide access. Some errors in the legislative data and is being fixed.

XI. 911 Office Update (Eric Shreve)

- State selected NG core service Comtech in Quarter 3 of last year. The first PSAP will be cutover in June this year: Mohave Apache Navajo and La Paz Systems go first.
- State working with 1Spatial with aggregation and validation vendor. Will support data supply chain concept; 1st = 911, then for ADOT. The 15 9-1-1 systems will be doing validation using the system. Eric will attend a project meeting tomorrow to get latest updates.

XII. Cross-border collaboration (Eric Shreve)

- The 911 Office is working with DEMA on standardizing evacuation policies and streamline sharing with Calif and other bordering States; the workflow and documenting; will be done through AZGEO. Eric would be interested in hearing about participants workflow for making data interoperable for emergencies.

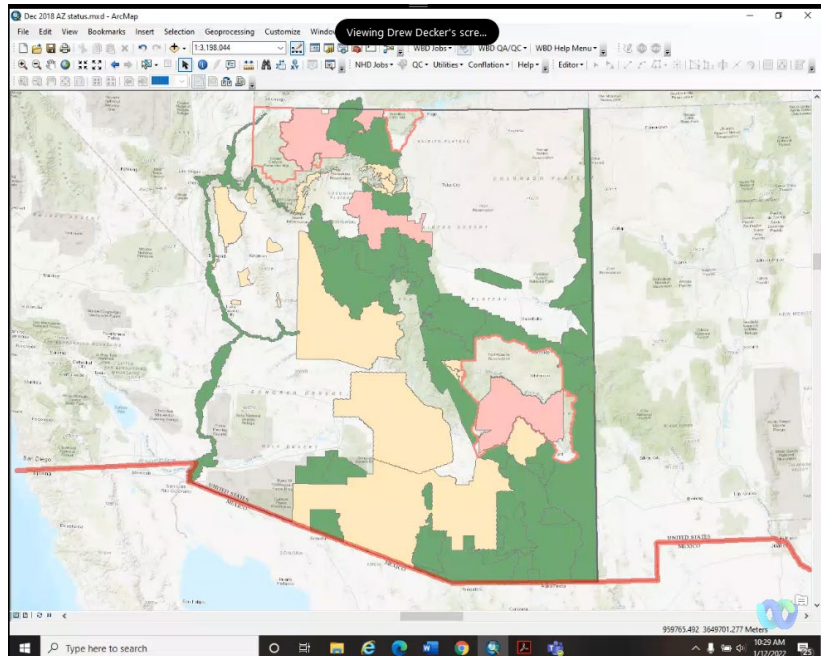
XIII. NAIP Update (Keith Larson/Jenna Leveille)

- Jenna noted that Keith is not available for the meeting; She noted that the NAIP began flying last year and was completed in December. It should be available in late Spring and will be published as a tile service on AZGEO.

XIV. 3DEP/3D Nation Study Updates (Drew Decker)

- Drew showed status map below; green is done, tan is in production and rose is pending. He noted that USGS is working with FEMA on the north part of the state but it is not yet shown on map. Status map available on the USIDI. Drew can share footprints from the map so contact him for the data.

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- Lidar link was pasted in the Chat box by Wolfgang
<https://azgeo.maps.arcgis.com/apps/webappviewer/index.html?id=0f812aa0bb03432b8b5e0d3b7ad9342d>

XV. Committee Goals Discussion (All)

- Jenna reviewed the current work plan. Shen noted that anyone that attended one of last three DC meetings shows up as public at large; voting member requirement is to commit to attend 75% of meetings. Please let Jenna know if you want to be a voting member. Jenna reviewed what we did last year and ran Mentimeter questions on accomplishments and ideas for presentations; She called for volunteers and a couple were received via the Chat box. Jenna/Howard will summarize the results of the Mentimeter session and post to DC webpage.

XVI. Information or Topics for Future Meetings

- None
- Next meeting is April 13, 2022

XVII. Adjourn: 11:56