

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

A public meeting of the Arizona Geographic Information Council was convened on October 13, 2021 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/Company	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	Yes, phone
Ben Hickson	Pima Association of Governments	Yes, phone
Boyd Larkin	AZ Dept of Revenue	Yes, phone
Keith Larson	NRCS	Yes, phone
Sara Lucas	Gila River Indian Community	No w/o notice
James Meyer	AZ Department of Transportation	Yes, phone
Jason Nyberg	Quantum Spatial	Yes, phone
Phil Ponce	Engineering Mapping Solutions	Yes, phone
Jason Ramsey	Vetran Geospatial & Land	No w/o notice
Jill Sherwood	ASU	Yes, phone
Susan Smith	AZ Forestry and Fire Management	No w/o notice
Leslie Stovall	Gila River Indian Community	No w/o notice
Jamie White	City of Phoenix	Yes, phone
Steve Whitney	Pima County	Yes, phone
Andrew Zaffos	AZ State Geologic Survey	Yes, phone

Table 2: Public Members at Large

Member	Agency/Company	In Attendance
Bob Bauer		Yes
Lynda Bell	NOAA NGS	Yes
Mark Christiano	US Forest Service	Yes
Brian Colson	Salt River Project	Yes
Jackie Crowley	AZ Dept of Transportation	Yes
Sage Donaldson	AZ Dept of Transportation	Yes
Elizabeth Heller	ADWR	Yes
Kasey Green	ASLD	Yes
Paul Keidel	Student	Yes
Shea Lemar	ASU	Yes

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Mariah Modson	ASLD	Yes
Diana Palma	AZ Dept of Transportation	Yes
Carrie Schmidt	AZ State Museum	Yes
Aaron Seifert	Guardian Medical Transport	Yes
Eric Shreve	ADOA-911	Yes
Brett Thomassie	Surdex	Yes
Elisabeth vander Leeuw	Pima County	Yes
David Waltz	Az Dept. of Water Resources	Yes

I. **Call to order:** Meeting was called to order at 10:04 am.

II. **Approval of July Meeting minutes:** A motion to approve the July 2021 Data Committee meeting minutes was made by Nicole Eiden and seconded by Ben Hickson. The minutes were approved unanimously.

III. **Announcements**

- AGIC Education and Training Symposium will be virtual for 2021. It is scheduled for Oct 25-29, 2021. There will be a nominal fee to attend and offset cost of new platform: \$40.00 regular and \$20.00 for students. Registration is open.

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 Workgroup last met in March and this status is the same as July report
 - 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**
 - The Cadastral Workgroup has had subgroup meeting and one Workgroup meeting since the July meeting of the Data Committee.
 - Elizabeth Heller unanimously approved for co-Chair.
 - Approved a workflow/decision tree to guide organizations/entities in understanding best practices for cadastral reference data.
 - Next steps for this group:

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- Coordinate an update to the questionnaire for county entities. The group will seek permission from the Counties to publish the findings of this survey to the AGIC website.
- Recommend the formation of a Parcel Administrators Group on AZGeo to act in an advisory capacity for anyone seeking parcel/cadastral information at a county level. Participation in this group will be sought in the questionnaire.
- Craft a narrative of best practices and cadastral history in Arizona.
- WG request their workflow for best practices for processing cadastral data be approved by the Data Committee
 - Motion made by Elizabeth; Andrew seconded.
 - Discussion: Jack Avis: draft recommends starting with BLM PLSS available on BLM and AGIC hub sites; then integrate any county level data. Add any specific agency needs and publish out. Recommend utilizing BLM GCDB. Simple workflow; simple but gets folks off on right foot.
 - Motion approved unanimously
- **UAS Workgroup**
 - Completed UAS landing page on AZGeo: Mission, Getting Started, Guidelines and Best Practices, Use Cases, Resources, and Training
 - Hosted 2021 Fly-In Event on September 15 with focus on multispectral and hyperspectral imagery collection, processing and uses. Had 30 plus in person and 30 virtual attendees
 - Next Steps for this group:
 - UAS SIG for AGIC Symposium
 - UAS landing page live prior to Symposium
 - Working on approved K-12 outreach with SciTech and several other parties.
- **LiDAR Workgroup**
 - Met September 8 to review LiDAR acquisition plan including updates and assignment; follow up on Nov 9th
 - AZGeo Hub Site – A subgroup has supported the development of a Lidar WG website on AZGeo this year. With the help of a dedicated student volunteer, the WG has published the site for the public to have access to lidar resources
 - Supporting a Lidar Special Interest Group track the AGIC Symposium.
 - Nov 16th is next meeting.

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• Natural Resources Workgroup

- Jeremy Johnson resigned as Co-chair; Jay Corum (BOR) will be voted on to be the next Co-chair at the Oct meeting.
- Hub site team meets 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
- Supporting the NR Special Interest Group tracks at the AGIC Symposium.
- Working on a Dec Presentation Series event. At the Oct meeting the group will determine the theme for the Dec event and establish a planning team to coordinate.
- NHD Pilot Project Workgroup
 - No meeting since last NRWG meeting due to leadership transition
 - Data Analytics Team update
 - Finished reviewing pilot area HUCs
 - Identified ADWR data will be the base data to build on
 - Working with USGS (Drew Decker) to determine integration into NHD process
 - ASLD has requested required Arc extension for data integration
 - Arizona Hydrologic Society
 - Mariah presented on Pilot Workgroup/Data Analytics team activities in September
 - Positive feedback from attendees on the need for this effort
- Workgroup requests discussion and feedback on identifying a steward for Arizona's NHD data.

V. NSGIC Annual Debrief (Jenna)

- Jenna is now NSGIC president;
- The National Address Database (NAD) has quite a bit of support and momentum within NSGIC; Arizona participates with submittal of 911 address points; Esri helped with the NAD web site visualization tool; it displays hexes where addresses are; user zooms in to get points; this is a big step forward; now working on tool for download by state and working on geocoder; this site brings in authoritative data; NAD is partnering with Google and they are importing and fixing Google data. Eric knows workflow effort has been significant on NAD; He appreciates the feedback on aggregation and notes it is adding value to the State especially on identifying duplication; Steve Whitney observes that Google never publicly admits that they use NAD to correct their data. URL for viewer is at the following link
<https://usdot.maps.arcgis.com/apps/instant/minimalist/index.html?appid=2c27531e71b94d48b1a4e12207e7f2c3>
- Geospatial Data Act Implementation (2018): lots of discussion at NSGIC meant to support NSDI from local to federal level; ideas is to support local data to make

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interoperable and useful across the nation; lots of assessments and progress is slow; NSGIC trying to figure out how do we do it better and easier; NSGIC wants to amend GDA to allow local representation and that idea has a lot of support; Title 13 is an example of impact: we cannot access Census data because of privacy; change Title 13 to disconnect private from geometry? If that was to happen then we can get rid of LUCA and that is kind of exciting; An amendment may happen in 6 months.

- Still a lot of discussion between tribes and state GIS; NSGIC hosts an quarterly collaborative meetings; next will be held at end of this month; Jenna will report on what is discussed. Lot of important topics being discussed at this level.
- Eric mention Broadband and the NSGIC discussion for North Carolina using 911 data to QA services provided to everyone; leveraging that with connectivity map means lots of opportunities; Jenna agrees; will cover this later in meeting; NC discussion was good;

VI. New NGS SW Regional Geodetic Advisor – Lynda Bell

- Jenna introduced Lynda Bell who attended virtually. Lynda is thrilled to be involved with AZ community and noted it is her job to help bring Arizona into the NGS. NGS is a service agency and needs to know our needs; Arizona helps the NGS by building data; NGS has an overview role in helping to build control across the US and her job is helping locals, counties and states do that. She noted that the release of NSRS has been delayed; NGS is in transition mode maintaining old NSRS while working on the new version; that is almost ready for release; beta testers will be needed next year to test Version 5. She mentioned problems on Navajo reservation: CORS could be down and no one to fix; with COVID local support is gone. NGS is trying to improve process of submitting to NSRS; but CORS is problematic to get good submittal; her first task is to work on spotty CORS coverage; happy to take back our input to CORS meeting. Jenna noted that CORS is currently under ADOT and is unfunded project; she is in discussion with ADOT how to better support and there may be better place to house the program. Phil noted that he has clients complaining about CORS not working right; Spider web and nothing there and looking at other paid services; he has talked to Jenna about this and how best to support improvements. Lynda: asked Phil to send real world examples of problems encountered. Tomorrow is NGS webinar on NGS geospatial resources. She noted registration is free but required and will be recorded. JL put link in chat box

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VII. AZGeo Updates

- AZGeo - AGIC sessions
 - Kasey will go over tips and tricks using AZGEO;
 - Jenna and Shea will be showing examples of how it is being used;
- Demo – [AZWrap](#) (Shea Lemar/Ayan Mitra)
 - Wildfire Risk Assessment Program – rebuilt on AZGeo;
 - AZ Dept of Forestry and Fire site to deploy information and raise awareness for public; a professional site supports fire planning needs.
 - New version works in a more open way vs original.
 - Can login with AZGeo account but not needed for public site.
 - Professional version allows user to draw box and download all data and create reports specific to the area of interest.
 - Smoke is not a data layer; too dynamic.
 - No live weather data, but some discussion about adding those kinds of services.
- Sun Cloud
 - Jenna showed the Sun cloud Site; Sun Cloud is a long-range transportation and economic development planning project which includes MAG, PAG, ADOT and five counties; they are using AZGeo for sharing data
- Workgroup Pages
 - Jenna showed the available WG pages
 - All WG pages should be done by conference.
 - Added a jobs board from Outreach for employers and employees to connect. 16 jobs in there now.
- Future – AZ Broadband
 - Eric discussed what North Carolina is doing in helping locals assess their BB resources;
 - He has been in touch with AZ Broadband Office and they are starting to work towards helping counties and local government with resources needed to map and assess capacity.
 - Just getting started; eventually there will be public and private viewers

VIII. Statewide/Regional Data

- Redistricting resources and open discussion:
 - Redistricting is in a crunch to get data into IRC by end of the year.
 - Jenna showed an IRC application to submit proposals; It is Esri technology with different wrapper. It is way IRC is accepting input.
- Broadband Mapping: Jenna notes that she has an on-going discussion with the Az Broadband Office regarding the mapping side of things. There is obviously a need for better mapping resources to understand current BB status and the digital divide. She welcomes input from anyone on the DC into this process
- Stewardship discussion – NHD, PAD; mechanism for support:
 - AZ does not have resources for a steward so how can we collectively be stewards for both National Hydrologic Data and Protect Area Data?

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- One thought is to identify a lead agency (State) and then everyone chips in with data and would go through Land (for NHD);
- PAD - AZ is a priority for 2022 update.
- Elisabeth noted that this is a community effort; volunteers needed to work on data sets;
- Jenna noted that NHD WG has a collaborative tool for volunteers to collaborate on updates and that might be doable for PAD, too, though volunteer efforts are difficult.
- Jenna asked all DC members to think on this and contact her with ideas for best way forward;
- Jenna noted it is a challenge for ASLD because there is no funding in AZ. All states need authoritative data, but Arizona has no resources and ASLD participation without funding is an issue.
- Discussion: NHD work is important. ADWR cares about stewardship but need broader use cases than just what they need. NR group has agreed on core schema with add-ons for each agency; AGIC is not a good solution at the federal level as steward. Big issue is data for AZ is not current at federal level.
- 911 Office Update (Eric Shreve)
 - Eric discussed the 911 1Spatial demo and its role in statewide data aggregation. It will support multiple business cases (911, ADOT, NAD, geocoder). It is designed for self-service as much as possible. Looking at November to have solution; Currently working in a dev environment to test topology and NENA rules.
 - Eric reported working on some concepts for a 9-1-1 survey for both data consumers (agencies) and providers (county and local agencies). From a county perspective, what data sets are being requested most often and what is the cadence. There is a web link available to gather input on the survey questions. Feel free to reach out to Eric with questions.

IX. NAIP Update (Keith Larson)

- No updates to report. Keith's contact is out for 6 weeks; he is hopeful that flights are being made. Arizona flights are later than normal but will be for 2021. There are opportunities for buy ups: see Surdex and/or Brett Thomassie to answer questions. Jenna heard from Candace at USFS and they are buying up fire areas to 30 cm for fire footprints; Brett noted Surdex should have a plane in N. AZ by tomorrow to begin collection. There are two primary buy ups: (1) stereo about \$58.7K for entire state; (2) 30 cm resolution for \$35.2K for entire state. Brett will be happy to give progress updates to Jenna as soon as he gets them. If more questions reach out to Jenna.

X. 3DEP/3D Nation Study Updates

- Drew could not join the meeting and Jenna tabled this item; she noted the biggest thing is that BAA is open again as of 10/8; one application is in; still trying

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to get state covered in LiDAR; Maricopa no data yet; Yavapai and Pima in progress; Cochise in the queue.

XI. 2022 Workplan and November AGIC Council Report

- Jenna noted that one of the things Council will be discussing in November are Committee workplans; plans are due by the end of the year; discussion is about moving deadline to May council meeting so committees can incorporate strategic direction from February retreat.
- Jenna asked if second Wednesday of the quarterly month is still good; Jan 12th would be next meeting if all in agreement then we will set Jan 12th for next DC meeting and we can talk about workplan then. Jenna and Howard will review accomplishment and will bring proposed work plan to the next meeting.

XII. Committee Goals

- Rural Community Support: Not a lot of movement because it is challenging; still working on it; Jenna has been in contact with FEMA Region 9 and we may be able to partner.

XIII. Presentation - Phoenix Atlas (Phil Ponce)

- Phil Ponce gave a demo and presentation of his Phoenix Atlas work which was very well received by the Committee. This resource will be available as a basemap on AZGeo Open Data.

XIV. Information or Topics for Future Meetings

- Andrew saw a tweet on using/promoting open-source GIS. He thinks that developing a list of skills sought by agencies for students. Jenna likes the idea and that we all need to think about who will replacing us. Lynda offered to participate.
- Bo: would like a discussion of authoritative data on AZGeo; he is not sure data is more recent and authoritative.
- Next meeting: Jan 12th

XV. Adjourn: 11:55