

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

**DRAFT**

A public meeting of the Arizona Geographic Information Council was convened on January 13, 2012 at 10:03 am on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee:

**Table 1: Committee Voting Members**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
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, without notice
Helen Costello	Coconino County	No, without 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	Yes, phone
James Meyer	AZ Department of Transportation	Yes, phone
Jason Nyberg	Quantum Spatial	Yes, phone
Phil Ponce	Engineering Mapping Solutions	Yes, phone
Jason Ramsey	APS	Yes, phone
Jill Sherwood	ASU	Yes, phone
Susan Smith	AZ Forestry and Fire Management	Yes, phone
Leslie Stovall	Gila River Indian Community	Yes, phone
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**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Mark Christiano	US Forest Service	Yes
Brian Colson	Salt River Project	Yes
Drew Decker	USGS	Yes
Kim Denney	Atlantic	Yes
Sage Donaldson	AZ Department of Transportation	Yes
Kasey Green	AZ State Land Department	Yes
Elizabeth Heller	AZ Department of Water Resources	Yes
Jason Howard	MAG	Yes
Jeremy Johnson	Matrix New World	Yes
Mariah Modson	AZ State Land Department	Yes
Eric Shreve	ADOA – 911 Office	Yes

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Aparna Thatte	Mesa Public Schools	Yes
David Waltz	AZ Department of Water Resources	Yes
Jeff Wolkove	AZ Department of Administration	Yes

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- I. **Call to order:** Meeting was called to order at 10:03 a.m.
- II. **Approval of October Meeting minutes:** A motion to approve the October 2020 Data Committee meeting minutes was made by Howard Ward and seconded by Ben Hickson. The minutes were approved unanimously.
- III. **Announcements:**
  - AGIC Council Orientation and Leadership Workshop (virtual): Jenna noted that first Council meeting of the year will be on Feb 4 10a – 12p; This will be the 3<sup>rd</sup> retreat for the Council. Morning session is reserved for board retreat and the afternoon session is the Council Meeting. Open to anyone interested and we want your ideas on goals for 2021. Email Jenna if interested in attending.
  - Legislation Updates – Jenna noted that there were a lot of legislative updates that happened in Congress at the end of December
    - The STORM Act (S.3418): passed; provided grants to FEMA for States to finance projects aimed at mitigation of natural disasters. Important for Arizona is that it provides \$100 million annually in grants. Mark Christiano asked if it could be used to fund LIDAR; Jenna does not think so (see next bullet, though). You can find a link on the AGIC website.
    - National Landslide Preparedness Act (H.R.8810): Jenna noted that they have an additional 40M annual grant fund dedicated to 3DEP in addition to the amount already allocated. Could help USGS finish State by 2023. This program is really focused on landslide mitigation.
    - Digital Coast Act (S.1069) Jenna noted that though we are not a coastal state, this Act has been in process for 10 years and now brings GIS much greater visibility. Eric Shreve asked Jenna if it was NSGIC or other that pursues these initiatives: Yes and No, Coast act was promoted by NSGIC. Storm and Landslide were more FGDC and Geospatial Advisory Committee. Mark Christiano noted that these grant processes can be tricky and we need to pay attention to fine print about who can and cannot apply.
  - ArcGIS Online Student Competition – Jenna noted that Esri has an annual online competition for middle and high school students. It is led from the State level and states are encouraged to form leadership teams. It helps develop the next generation of GIS professionals by getting them excited and interested in Geospatial. We are looking for help in implementing it. Outreach Committee is coordinating. Last year we had 5 awards from Arizona. This year we have a new leadership participant from the Department of Education. See the page on the AGIC website for more

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information.

- NSGIC Elevation Derived Hydrography for 3D NHD Webinar: Jan 26 1-2PM AZ MST. Jenna noted this is open to the public. This will be a high-level overview of using LIDAR in the NHD. Drew noted that USGS is working with NSGIC and member states on EDH (Elevation Derived Hydrology) along same lines as 3DEP (e.g. state plans).
- AGIC/Esri hands-on training on Field Map application – Feb 3, 2021; registration and details to come. Focused on field map application.
- Conferences
  - AZ Data Management Conference (virtual): January 26 & 27 – free to state employees; half days; 830 to Noon. First 250 non-state registrants. Still opportunities to register. Jeff copied link into chat window
  - Esri Geodesign Summit (virtual) Feb 9-10

**IV. Workgroup Activity Summaries:**

As part of a restructuring of our meetings (see “Committee Engagement and Meeting Content Discussion” item) Jenna asked each WG lead to send brief outline notes of their work and Howard reviewed these notes on-screen.

- UAS
  - Last meeting was Jan 6<sup>th</sup>, 2021
  - Conference track engagement: 47 & 35
    - Approval of the 2021 work plan; ready for Committee approval
    - Schedule change to hour long monthly meetings (first Monday of each month)
    - Added Educational Outreach to K-12 students (remote sensing & survey focus)
      - Coordinating with the Outreach Committee to engage students in AGOL Student Competition
    - AZGeo UAS webpage development; volunteers identified
  - Participation in FAA Local Government networking event on Thursday
- Lidar
  - Last Workgroup meeting in Aug; the Education team has met several times since Aug.
  - Conference track engagement: 74 & 40
  - Next meeting is scheduled for Jan 26, with a quarterly cadence for 2021
  - Drafted 2021 Work Plan
    - AZGeo Lidar webpage development; Education team developing content & UA graduate student has volunteered to do most of the work with weekly check-in meetings

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- Two events for 2021; Spring Symposium & Lidar Track
- Presentations on applications of lidar at each quarterly meeting
- Update AZ Lidar Acquisition Plan
- Natural Resources
  - Last Workgroup meeting was held in Dec.
  - Conference track engagement: 69 & 51
  - Presentation series focused on NR GIS Activities in Southern AZ in Dec; 72 attendees
    - Presentations on Droughtview, Snowview, UAV use for Cotton Assessment, Wildcat Conservation
  - NHD Pilot Workgroup
    - Volunteers attended USGS NHD Training
    - License and versioning issues are impeding the completion of the training; AGIC/ASLD working through how to overcome these issues
    - Review of pilot area data (HUC12's) is progressing; weeding through accuracy and currentness of contributed datasets; utilizing AZGeo for collaboration
  - Approval of the 2021 Workplan; ready for Committee approval
    - AZGeo Natural Resources web page development; volunteer team identified and working to present draft page at February WG meeting
    - Continuation of Outreach efforts; two events or more events for 2021
- Cadastral
  - Last Workgroup meeting was held in Oct.
  - Meetings held ad hoc; coordinating the next meeting for end of Jan or early Feb
  - No work plan has been developed; 2021 goals and activities are being defined
  - One goal of the group is to improve the Geospatial Maturity Assessment report grade for cadastral data in Arizona
  - Group identified a community need for best practice recommendations for cadastral resources at different scales; i.e. what resource to use at state, county or local scale of mapping
    - A questionnaire was developed to inventory of available and sharable cadastral data layers
    - A decision tree for location and available data has been proposed to deliver best practice methodology by location
- SPCS2022
  - Last meeting was held in Jan 2020
  - Low Distortion Projections for AZ are being designed and timeline is on track to meet goals. Highlights include:
    - 58 Preliminary LDP designs have been completed for Arizona
    - Review of LDP's with major stakeholders, ADOT, and some City\Counties
    - Preliminary LDP boundaries are being adjusted to conform with PLSS, Jurisdictional, and natural features

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- A presentation on SPCS 2022 for Arizona was given during the AGIC Virtual User Conference; 64 attendees
- Next Workgroup meeting TBD

**V. Discussion/Approval of Workgroup 2021 Work Plans:**

Jenna noted that only two workplans were ready for review today: UAS and Natural Resources. She showed the plans on screen, briefly reviewed them and some brief discussion ensued. Motion to approve: Ben; 2<sup>nd</sup>: Eric Feldman. Unanimously approved. These plans can be found on the AGIC website.

**VI. Committee Engagement & Meeting Content Discussion:**

Jenna noted that this item is to be sure that these DC meetings are worthwhile for attendees. After October meeting, it did not feel this way. Several committee members expressed a desire to focus more on Statewide coordination, efforts and information. This agenda item is to solicit Committee engagement with a couple of the things Jenna and Howard brainstormed:

(1) Meeting Structure change: The Work Group summaries were an example of that restructuring; Mark Christiano agreed the summaries were an improvement. Steve Whitney noted that they are doing this for Council Meetings and it is a work in progress and will be for this one too. It puts more onus for written reports but that is not a bad thing. Looking forward to more active focused discussion.

(2) Making sure we have presentations at every meeting.

(3) A third item, discussion about committee goals ensued: Howard agreed that these changes are good and emphasized he values the DC for its fostering of the statewide “Data Ecosystem. He suggested we focus on how to get more resources for rural communities. Eric agreed and mentioned an “onboarding” process to help these folks what AGIC does. Jenna noted Outreach could help with this. Howard thinks rural community support may become a work group, but that the DC does not have to decide today. Eric notes it need to make it into a document or it would get buried. Jenna suggested a future agenda item to focus on coordination with Outreach. She suggested some Esri programs to help with AGOL and access to software. Jenna noted that outreach to rural communities has been a priority with AGIC for a long time. Perhaps we could develop this idea a bit further and take it to Council.

Howard mentioned mentorship program might also help, including assigning AGIC mentors and suggesting monthly mentor-mentee meetings. He noted that we may need funding sources to help; he asked about any State grant writing group to accomplish this. Eric noted that 911 office does that to a degree. Mission critical data sets could be focus and bring up with

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Legislature about redistribution of funding.

Eric noted that training is also important. Jenna noted we could offer workshops and training via AZGEO. Jenna noted Outreach is working on this as well and mentioned a mentor retreat/training.

Mark Christiano asked if we assess our data (e.g., in a scorecard) as a way to help improve the data statewide. Jenna discussed NSGIC Geospatial Maturity Assessment (GMA) focused on framework data sets. Maybe the DC needs to look things that fall outside of that list of data. Mark noted the gap analysis could drive our effort over the next couple of years. Eric agrees that is a good idea. Steve suggested a first step might be a survey to see what key layers are in play.

**VII. Statewide Data:**

• **DPS Map/911 Data request**

We are waiting for Jenna and Eric to give ok for next statewide append process. In the meantime, Howard reports that the June 2020 append has been processed into the next Arizona National Address Database (NAD) submittal. Howard is reviewing now and will send to Eric and Jenna before providing to USDOT. Steve discussed the on-going debate between USDOT and US Census over which schema to use for the NAD. NSGIC is advocating NG9-1-1 for the schema.

• **911 Office Update**

- Eric introduced himself, noted he had been with the 911 Office about two months and was working with Howard, Steve and Jenna on two databases: centralized address database and a centralized parcel database. The idea is for a “live” dynamic database and not a static one. He will be working with AGIC and internal Office groups to pursue these two goals
- State Agency Data Requests – Eric noted that he and Jenna were working on pushing out the next statewide data append over the next couple of weeks. Jenna noted that last year the DC put together a survey to avoid duplicate requests and received a good response. She would like to push forward on request coordination this year.

**VIII. AZGeo Advisory Committee:**

Jenna noted that the Advisory Committee met once (in December) and established leadership for the group. The structure for this group is a little different: there are five voting members and some non-voting members that

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are still required to give input. The voting members are the AGIC Chair, the AGIC Vice Chair and three representatives from ASLD, Data Committee and Outreach. Ryan represents Land, Howard represents Data and Patrick White represents Outreach. Non-participating members are the AZGEO Developer (Ayan) and the State Data Curator (Kasey). These meetings are open with the link to each meeting posted on the AGIC calendar. All are encouraged to participate.

The Committee will meet quarterly (3rd Tuesday of each quarter) with the next meeting scheduled for January 19<sup>th</sup>. Beyond leadership and structure, the Committee discussed procedures and how to get information back to the Committee. There will be a form linked back to AZGEO and a dedicated email address by which people can provide feedback on bugs and enhancements. Form should be ready in a couple of weeks. We are keeping a spreadsheet of enhancements and other inquiries the Committee receives.

**IX. NAIP Update:**

Keith Larson reports he has not heard anything official about NAIP. We are still waiting to hear if Arizona will get a new NAIP in 2021 or 2022. Some states were delayed in 2020 and that may push us to 2022. We should know by March. Jenna noted that the NAIP 2019 is now published as a map service on AZGEO.

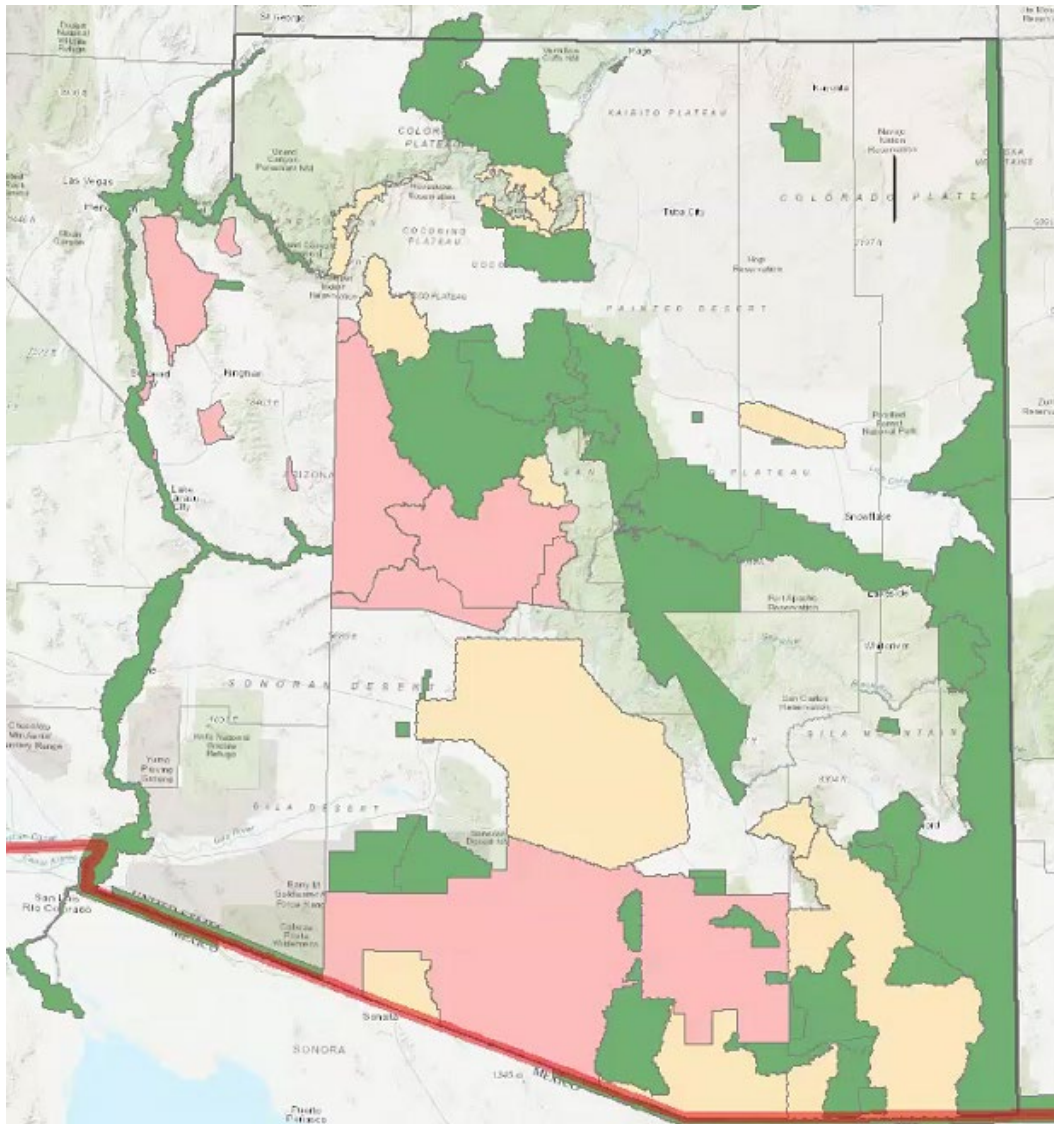
**X. 3DEP/3D Nation Study Updates:**

(Note this item was heard out of order so that Drew could make another meeting).

3DEP: Drew reviewed LIDAR progress in the state, discussing a status map he displayed on the screen. He reports Coconino and North Kaibab are complete; Grand Canyon still needs some ground control in the western part before it can be wrapped up; several project along the Mexican Border are complete. Drew will send Jenna a report on which data sets, do far, are available online. He then covered some of the ongoing projects (NRCS, Maricopa and Pinal County, the rest of Cochise County, FEMA's Navajo Corridor; Organ Pipe Cactus area). All the data have been collected and hopefully data will be available towards the end of this year. Drew then covered some new projects (Yavapai County, 4,875 square miles; Partners include Yavapai County Flood Control, ASLD, NRCS, FEMA Region 9 and USFS). Drew will be reaching out to secure funding and get project going. Looking to spring collect. The other big project is PAG's Pima County (PAG, Tohono O'odham, ASLD, National Park Service, USFWS, BLM and more). Drew will be setting up calls starting next week. FEMA Region 9 will be getting underway also, not quite as firm. Someone noted the pending (pink) layer on Drew's map needed updating and they will work offline. Phil Ponce asked a question about where to go to get download links. Drew will provide them in the notes.



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3D Nation: the study of Arizona is complete; all tasks are complete and in the hands of the contractor and will be worked into the report. Drew expressed his thanks to all those who helped with this task. Review appendix due sometime in February with Final in May to June timeframe.

**XI. 2021 Work Plan Discussion:**

Jenna displayed the current draft workplan on the screen and she noted that we need to finalize our DC Work Plan for 2021. She has already heard from some members of the Committee about new things to include. She has added the Mission Statement (from Statute) and updated the participant list. If you wish to change your voting member status, either to or from, let Jenna know. To be a voting member you have to attend 3 of the 4 meetings scheduled each year. You will be automatically removed as a voting member if you miss three meetings in a row and have to attend three in a row to rejoin.

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Jenna reviewed the Goals and Activities section and noted we added the Presentation at each meeting last year. She asked for feedback on that goal. Howard and Jim Meyer agreed it is good goal. She noted the second goal was for each DC workgroup to present at the annual AGIC conference and asked for feedback. Howard said it was valuable in surfacing what the groups are doing that might not get attention if it was strictly in report format. Jim Meyer agreed it was a good goal to keep in the Work Plan.

For the goal for a Work Group Track at AGIC, Jenna suggested we add focus for rural outreach and support of the data ecosystem. We should also include more robust conversations about data and activities across the State and we should include more outreach on DC activities. Jenna is expanding the “Create and sponsor workgroups” to include “evaluate” so we can consider when it is time to sunset a workgroup. Jenna noted that Admin and Legal is working on the definition of a workgroup which implies a short-term goal; however, some workgroups are not so short term, so maybe they should be called something different. Phil Ponce advocated for continuing to maintain the org chart and volunteered to help maintain it. Without it, it is easy to get lost in the hierarchy of various groups. Jenna noted that the Council really likes the org chart idea as well. She noted that Admin and Legal have taken on the responsibility to maintain it and update it at least twice per year. Much more discussion on the value of the org chart ensued with Steve Whitney and others voicing support and suggesting a periodic discussion on need for updates. It was decided not to explicitly add the org chart to the Workplan. Jenna asked for a motion for approval of the 2021 Workplan with the caveat she would add language for outreach and coordination for rural and underserved communities.

Jenna asked for motion to approve the workplan with understanding the Jenna will add language about underserved communities and the data ecosystem. Steve Whitney made a motion, Jim Meyer seconded and with a bit more discussion from Eric on his plans to continue to work on master statewide database, it passed unanimously.

**XII. GNSS & AZGeo Presentation:**

Phil Ponce presented his work on mapping various utilities for the Town of Cave Creek with workflows built around the new AZGEO Hub. You can see Phil for more information if interested.

**XIV. Information or Topics for Future Meetings: None**

**XV. Adjourn: meeting adjourned at 11:55**