

**MINUTES OF MEETING OF THE ARIZONA
GEOGRAPHIC INFORMATION COUNCIL
LIDAR WORKGROUP**

DRAFT

A public meeting of the Arizona Geographic Information Council was convened Mar 2, 2021 at 3:00 PM on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee - LiDAR 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 |
| Ramon Arrowsmith | ASU | No |
| Noah Bard | US Forest Service | No |
| Kevin Blake | Yavapai County | Yes, Phone |
| Kimberley Denney | Atlantic | Yes, Phone |
| Craig Erdman | Geo Engineers | Yes, Phone |
| Benjamin Hickson | Pima Association of Governments | Yes, Phone |
| Keith Larson | USDA NRCS | Yes, Phone |
| Arron Lee | Merrick & Company | Yes, Phone |
| Roses Lockwood | Campbell Global | No |
| Jason Nyberg | Quantum Spatial | Yes, Phone |
| Eric Shreve | ADOA - 911 | No |
| Nikolas Smilovsky | ASU/Bad Elf | No |
| Travis Woolley | The Nature Conservancy | Yes, Phone |

Table 2: Public At-Large

| Name | Agency/Company | In Attendance |
|-----------------|-----------------------|----------------------|
| Brandon Barnett | ASLD | Yes, Phone |
| Jason Caldwell | Sanborn | Yes, Phone |
| Virgil Coxon | ADOT | Yes, Phone |
| Mary Darling | Darling Geomatics | Yes, Phone |
| Drew Decker | USGS | Yes, Phone |
| Angie Garcia | GIS TrackerR | Yes, Phone |
| Santiago Garcia | NPS | Yes, Phone |
| Tom Mellin | USFS | Yes, Phone |
| Shea Meyer | SRP | Yes, Phone |
| Keith Owens | Fugro | Yes, Phone |
| Teki Snakey | NAU | Yes, Phone |
| Jill Sherwood | ASU | Yes, Phone |

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|-----------------------|--------------------------|------------|
| Joseph Wagner | Maricopa Flood Control | Yes, Phone |
| Jackie Watkins | Cochise County | Yes, Phone |
| Mariah Modson | AZ State Land Department | Yes, Phone |
| Danny Lawlor | UA | Yes, Phone |
| Jonathan Spiandorello | APS | Yes, Phone |
| Phillip Leveille | ASU | Yes, Phone |

- I. **Call to order:** Meeting was called to order at 3:03 pm; Introductions were made by the committee; ensuring attendance list was managed and quorum established.

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

- III. **AGIC Council Meeting and Leadership Workshop Update:** A high level overview of the the first quarter AGIC Council meeting and annual leadership workshop. The group determined goals for 2021. AZGeo was a primary focus of discussion. Enhancements and additional functionality of the platform were set as goals for 2021. AZGeo is also being marketed to executive leadership as a one-stop-shop for spatial data. The final focus was on developing a process for identifying collaboration projects amongst AGIC agencies. Members of leadership will be presented a pin to signify their involvement, with general members receiving a certificate after one year of involvement with the council.

- IV. **3DEP/3D Nation Program Update:** Drew Decker from USGS presented on Arizona’s LiDAR coverage. Projects that are currently in the works include: Maricopa-Pinal Urban Area Project, the remainder of Cochise County, NRCS’s Aubrey-Cherry watershed, NPS’s Organ Pipe Cactus National Monument, and the Lower Aravaipa watershed. Pilot data from the Maricopa-Pinal project is expected this month. FEMA is adding a project along I-40 from Winslow to Holbrook. Two large projects have been awarded through the 3DEP program to cover Pima and Yavapai Counties. For 3D Nation, a final copy of the report will be sent to the state champions.

- V. **2021 BAA Awards:** Pima County and Yavapai County received a BAA award. Pima’s award was for approximately 9,500 square miles of QL1. There are still some holes, but the entire tribal nation and urban core will be covered at QL1. Yavapai County was awarded 4,900 square miles of QL1. NRCS is extending off of the Pima LiDAR flight to pick up a watershed along the Graham County border. NRCS themselves will be covering the Safford croplands between Thatcher and Bylas on the reservation. Yavapai has JFAs to be completed by the end of March, to have a flight shortly after.

- VI. **Lidar Website on AZGeo – Update:** Graduate student Danny Lawlor presented a high-level review of the progress he has made with the LiDAR landing page he’s drafted for

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AZGeo. The three main tabs for the site include: *Getting Started*, *Use Cases*, and *Resources*. Getting Started page answers “What is LiDAR?”, FAQs, hardware and software information, and basic break down of how images are collected. The Use Cases tab includes story maps, LiDAR publications, explanation of how LiDAR can be used. Lastly, the Resources tab of the website will feature information such as self-guided instructions. This landing page also has an acquisition page with a thumbnail of LiDAR coverage done or in the works in Arizona.

- VII. **Future Workgroup Direction & 2021 Work Plan Discussion:** The original goals for this group were: to increase LiDAR awareness and collection in Arizona, inform stakeholders about BAA process and funding opportunities, and develop an educational website. Now that those have been set to be accomplished by the end of the year, the question lies as to what this group should do or cover at that point. Since LiDAR is a narrower focus of the bigger picture, the group discussed broadening its coverage to include remote sensing, elevation and point cloud, or even r-scripting. To widen topics of discussion, without going too broad, it was discussed keeping the central focus around 3D modeling. This would widen our exposure to various other elements of spatial processing. The 2021 Work Plan was walked through with any recent changes, and a review of that the group’s goals are for this year. A goal was added to determine the future direction of this group. Jenna to send the draft workplan to the group for review and approval at the next meeting in April. A request for volunteers was made for this year’s subgroups: Event Planning team, Educational Content/Website Team, Acquisition Plan team. Please email Jenna if interested in participating.
- VIII. **ESRI Presentation and discussion:** Geoff Taylor is a representative from ESRI who works with 3D solutions on the business development side, and imagery/remote sensing on the solution side. He gave the group a brief presentation to the group of the tools that can be used to process spatial data. He showed how you can take a point cloud dataset and construct a 3D model of the imagery. Mark and Geoff talked about the potential of setting up a more in-depth training session for anyone in the group to join.
- IX. **Discussion and call for future presentations:** Mark reiterated that there will be presentations at each meeting for 2021. Anyone interested in presenting their work to the group, please contact Jenna.
- X. **Information or Topics for Future Meetings:** LiDAR Workgroup meetings in 2021 are on March 2, April 27, July 27, October 26. The Spring Symposium date is being worked on in the Planning Team group.
- XI. **Adjourn:** Meeting adjourned at 4:24pm.