

**NOTICE AND AGENDA OF MEETING OF THE  
ARIZONA GEOGRAPHIC INFORMATION COUNCIL  
LIDAR WORKGROUP**

**DRAFT**

A public meeting of the Arizona Geographic Information Council was convened November 16, 2021 at 2:00 PM on Webex. Present at the meeting were the following members or designees of the AGIC Data Committee – LIDAR Group:

**Table 1: Committee Voting Members**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Mark Christiano, Co-chair	US Forest Service	Yes, phone
Jenna Leveille, Co-chair	AZ State Land Department	Yes, phone
Kevin Blake	Yavapai County	Yes, phone
Mary Darling	Darling Geomatics	Yes, phone
Kimberley Denney	Atlantic	No
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
Travis Woolley	The Nature Conservancy	No

**Table 2: Public At-Large**

<b>Member</b>	<b>Agency/Company</b>	<b>In Attendance</b>
Mike Shelton	ADWR	Yes, phone
Tom Mellin	USFS	Yes, phone
Jason Owens	Navopache Electric Coop	Yes, phone
Joe Cook	AZGS	Yes, phone
Teki Sankey	NAU	Yes, phone
Drew Decker	USGS	Yes, phone
Jackie Watkins	Cochise County	Yes, phone
Jason Caldwell	Sanborn	Yes, phone
Alexis Fojtik	APS	Yes, phone
Michael Mayerle	Comcast	Yes, phone
Chris Bertrand	Tohono O'Odham Nation	Yes, phone
Joe Wagner	University of Arizona	Yes, phone
Emily Zaeacki	Open Topography	Yes, phone
Leandra Marshall	ADWR	Yes, phone

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Tom Mueller	Cochise County	Yes, phone
Mariah Modson	AZ State Land Department	Yes, phone
Patrick McGarrity	Westland Resources	Yes, phone
Paul Keidel	University of Arizona	Yes, phone
David Holm	Fugro	Yes, phone
Helen Costello	Coconino County	Yes, phone
Brandon VanHorn	Yavapai County	Yes, phone

- I. **Call to order:** Meeting was called to order at 2:08 pm; Introductions were made by the committee; ensuring attendance list was managed and quorum established.
  
- II. **Approval of April Meeting Minutes:** April meeting minutes were distributed prior to the meeting via email. Jenna asked for a motion to approve the minutes as written. Ben motioned and Mark seconded the motion. Motion passed unanimously without discussion.
  
- III. **Announcements:**
  - [AGIC Mentor Program](#) – Need mentors with technical expertise/focus
  - AGIC GIS Day Jeopardy!
  - Conference Committee Nov 18<sup>th</sup> | 10 to 11 am
  - Natural Resource Workgroup Dec 14<sup>th</sup> | 10 to 11 am
  - AGIC Council Highlights
    - Leadership Workshop – Feb 3, 2021
    - Workplan changes
  - NSGIC – 3DHP Webinar
    - November 17, 2021 3-4PM ET | Free | [Registration](#): Concurrent Mapping of National Wetlands Inventory (NWI) and National Hydrography Dataset (NHD) Data, USFWS
  
- IV. **3DEP Update:** Projects completed since the last meeting include NRCS’s arbitrary project northwest of the Coconino National Forest, completion of Cochise county with part of Santa Cruz. Projects in the works include the Grand Canyon project, FEMA region 9 with Mohave County, Maricopa-Pinal County area, the rest of Yavapai County, NRCS coverage in Goodwin, an area in Yavapai for USFS. Proposals submitted for the 2022 fiscal year are in review, preliminary awards have been sent ahead of the agency discussion on getting a project started. Projects can be submitted through next June; this was just the first round of review. As of the end of the 2021 fiscal year, about 251,000 square miles of coverage were added. Making 84% of the nation either complete and acquired, or in progress.
  
- V. **BAA Discussion:**
  - Open discussion – AZ BAA applications/updates: NRCS submitted an application with assistance from the State Land Department and Coconino National Forest, for a project in central Coconino county with a strip of State Land.

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- USGS Planning tools
  - Seasketch planning tool: <https://www.seasketch.org/#projecthomepage/5272840f6ec5f42d210016e4>
  - US Interagency Elevation Inventory: <https://coast.noaa.gov/inventory/>
  - Data download for existing lidar data: <https://apps.nationalmap.gov/downloader/>

- VI. AZ Lidar Acquisition Plan Update:** The original acquisition plan was drafted in 2019. A subgroup of this workgroup has been reviewing that to keep it updated, including adding information and graphics from USGS's initiatives. The subgroup is trying to work on making updates that have less rigid of a timeline for completion as the previous version. A key factor of this plan is to provide new users of lidar to gain insight on processes of application, collection, processing, etc. Thus, the subgroup has a detailed section of the acquisition plan dedicated to do just that. The Lidar workgroup's landing page on AZGeo walks one through the previous version of the plan, linking to the full document. Once the subgroup has finished making changes to the plan, it will be sent out to be reviewed by this workgroup, before getting published to the landing page.
- VII. 2022 Goals & Future Workgroup Direction:** Since the council has decided to review applicable workgroup workplans after the first quarter of next year, discussion was had as to whether this group needs to meet prior to the large council retreat/meeting in February. Jenna discussed meeting cadence since that does not need to be decided based on the council's retreat summary. The group agreed quarterly meetings works, and to continue meeting the third Thursday of the month, starting in February. As for the future direction of this group, the discussion continued on the topic of expanding coverage outside the lines of just lidar. With the amount of collection done in the last year, with improved quality and lower cost, it seems there is more need of learning what to do with it now. Those on the call for this meeting chimed in as to what they would like to see: examples/presentations on use cases, how others have gone about processing their data, how to send or receive data if you aren't able to access it over the cloud, or how to distribute information that one has collected but isn't able to distribute. This led to an open call for those who have done such things, to volunteer presenting their work.
- VIII. Recap AGIC Education and Training Symposium:**
- 300+ registered; 79 first time attendees
  - 42 Presentations |81 Presenters
  - On-demand content available to registered attendees through the end of January on the [Symposium Attendee Hub](#)
  - [Maps & Apps Contest Winners](#) – 34 submissions & 6 winners
  - Lidar related sessions:
    - Two Lidar Special Interest Group tracks
      - USGS 3DEP, Individual tree mapping, Buildings capture, Lidar scanning with iPhone/iPAD, OpenTopo 3DEP Differencing
      - Creating 3D Cities
- IX. Call for Team Volunteers:** After an updated look at the Lidar landing page on the AZGeo website, Mark reiterated that this work is done by volunteers. That there are multiple disciplines within this workgroup that one could jump into.

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- X. Discussion and Call for Future Presentations:** Like the call for volunteers to help the workgroup, this call went out for anyone who may be willing to give a demonstration of their work, how they've done these things others have had questions on.
- XI. Information or Topics for Future Meetings:** Acquisition plan updates and approval, council leadership retreat summary, USGS lidar project coverage updates.
- XII. Adjourn:** Meeting adjourned at 3:29pm.