



ARIZONA GEOGRAPHIC
INFORMATION COUNCIL

Committee/Workgroup Report to AGIC Council August 6, 2020

Committee/Workgroup

Admin and Legal Committee

Chairs

Eric Feldman

Shea Lemar

Summary

The Admin and Legal Committee has been working to support its goals with a focus in the following areas:

- **Updates to the AGIC Members Manual**
 - The Committee formed a workgroup to update the AGIC Members Manual to incorporate updates put in place by the Council and the Admin and Legal Committee. The workgroup has finished making their updates and the Admin and Legal Committee members are in the process of reviewing the updated manual. The Admin and Legal Committee plans on presenting the updated manual to the Council at the November meeting.
- **Reviewing and supporting the work of the Outreach Committee**
 - In regard to membership levels and social media guidelines.
- **AGIC Council Roster Review and Support**
 - There are 10 member renewals for 2020. Jenna sent out emails on how to renew to these individuals in July to submit their applications by the end of August. Currently, there are 8 vacancies in addition to the renewals.
- **Updates to the NSGIC Roster**
 - Based on direction from the Council at the May meeting, Jenna updated the NSGIC roster for Arizona to include All AGIC Council Members, AGIC Council Officers, AGIC Committee / Workgroup Chairs and Co-Chairs, and Secretaries.
- **Updates to the Organization Chart on the AGIC website**
 - Changes through July to committees and workgroups have been incorporated and posted to the AGIC website.

Action Items

- No action items



ARIZONA GEOGRAPHIC
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Committee/Workgroup

AZGeo Work Group

Chairs

Ryan Johnson

James Meyer

Summary

The AZGeo WG has been supporting the development and associated activities of the AZGeo migration to Esri's Hub platform. Since the May Council meeting, AZGeo Data Hub has successfully launched (azgeo.az.gov). User accounts and groups are being re-established and there is on-going fine tuning of the functionality and interface. The existing applications are still being migrated. The AZGeo development team anticipates this being complete by early Aug. Storage for AZGeo is a hybrid model of AWS and EC2 instances and ArcGIS Online. Long-term funding is supported through ASLD and ISA's with ADOA, ADOT and DFFM. Currently, ASLD is anticipating approximately \$20,000 for FY2021 to support AZGeo in addition to foundational support from ASLD.

Action Items

- Formation of an AZGeo Technical Advisory Committee
 - The Data Committee and AZGeo WG have collectively overseen the AZGeo Data Management Plan WG. This WG reported that they have fulfilled the goals outlined for the group and are recommending forming a technical advisory committee to support and advise the AZGeo Curator on future issues.
 - Pros – The AZGeo WG views the formation of a technical group to advise on AZGeo issues moving forward as positive and supportive. This group would provide representation and technical expertise from a variety of backgrounds, bringing a community voice to AZGeo issues.
 - Cons – None



ARIZONA GEOGRAPHIC
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Committee/Workgroup

9-1-1 Committee

Chairs

Karen Ziegler

Brian Bond

Summary

GOALS AND ACTIVITIES FOR THE 2020 YEAR:

1. Provide a forum and structure to facilitate GIS related needs related to a 9-1-1 system and public safety.
2. Facilitate and coordinate state-wide data sharing to support 9-1-1 systems and identified partners.
3. Update 9-1-1 Committee educational tools designed to foster education of 9-1-1 Dispatchers and GIS map functions in a Next Generation 9-1-1.

RECENT COMMITTEE WORK SINCE MAY 2020 -

A new co-chair, Karen Ziegler, was accepted by committee to replace Sandy Drye whom stepped down. Focusing on the topics for the AGIC Symposium 9-1-1 Special Interest Group. Spending time on education for the Committee members regarding Computer Aided Dispatch, Quality Control Tasks for migrating to Next Generation 9-1-1 with hopes that the under-served communities will be supported, processes for agencies for state-wide data requests and understanding whom else is accessing the State-wide data. Also being educated on State 9-1-1 Program Office State-wide Strategic Plan which may have an impact on the 9-1-1 Committee.

Action Items

There are no actions for the Council to discuss and vote on from the 9-1-1 Committee.



ARIZONA GEOGRAPHIC
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Committee/Workgroup

Data Committee

Chairs

Howard Ward

Jenna Leveille

Summary

This group meets quarterly and has had one meeting since the May Council Meeting. Highlights include:

- Biannual Data Request for the DPS map data has been sent out and the data received is being processed. Approximately 10 of the 15 counties have responded. The appended address points will be utilized to generate new statewide address locators and will be submitted to the National Address Database.
- NAIP
 - 2019 Geotiffs have been delivered to State Lands to incorporate into AZGeo. ASLD staff anticipate that the service will be available in Aug.
 - 11 states scheduled to be flown in 2020 were pushed to 2021 due to a decrease in funding. Consequently, AZ may not be flown again until 2022.
- 3DEP/3D Nation
 - New project awarded in Cochise County
 - Several projects underway: Maricopa/Pinal, Organ Pipe National Monument, NRCS HUC10 watershed areas in N AZ.
 - Several projects in review and completed: NW New Mexico, Coconino County and Kaibab. Data should be available soon.
 - BAA will be released in late summer or early September. USGS Aug 19th Webinar (10a) on BAA.
 - 3D Nation Study is complete and draft reports expected early fall.
- Future discussion topic: forming a census work group to discuss alternatives to the decennial data products released if differential privacy creates data that is not able to be utilized.

Action Items

- Formation of an AZGeo Technical Advisory Committee

- The Data Committee and AZGeo WG have collectively overseen the AZGeo Data Management Plan WG. This WG reported to the Data Committee that they have fulfilled the goals outlined for the group and were recommending forming a technical advisory committee to support and advise the AZGeo Curator on future issues. The Data Committee voted to sunset the group.
- Pros – The Data Committee sees the formation of a technical group to advise on AZGeo issues moving forward as positive and supportive. This group would provide representation and technical expertise from a variety of backgrounds, bringing a community voice to AZGeo issues.
- Cons – None



ARIZONA GEOGRAPHIC
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Committee/Workgroup

LiDAR Work Group

Chairs

Mark Christiano

Jenna Leveille

Summary

The AGIC LiDAR workgroup has been working to complete two of its main goals for the year.

- 1) Provide spring and fall events for LiDAR
- 2) Development of LiDAR website

On June 2nd the LiDAR workgroup held its spring symposium. We had a large attendance and participation. The symposium hosted a number of speakers from many different areas. Our keynote was from New Zealand! We also had Drew Decker from USGS and presentations from industry and academia. The event also had chair yoga, a paper airplane contest and trivia. Prizes were provided by sponsors. We were also able to demo several tools that are being considered by the conference committee. Overall, we felt the symposium was a success.

We have begun planning for the fall LiDAR track in the AGIC Conference. We have secured several speakers already. We have asked for two hours and expect to fill them.

The LiDAR work group has established a small group to work on the website to enhance LiDAR education. The group has met a few times and has outlined a work plan. We will be utilizing the new Hub established by the AZ Geo group.

Action Items

- No action items



ARIZONA GEOGRAPHIC
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Committee/Workgroup

Natural Resources Workgroup

Chairs

Glen Buettner

Jeremy Johnson

Summary

Since the last meeting, the Natural Resources Workgroup held a virtual workshop (May 13th) on the status, use, and updating of the National Hydrographic Dataset. The event was attended by about 100 participants. The workshop featured presentations by four organizations (USFS, USGS, ADWR, ADEQ) and how NHD is utilized. The purpose of the workshop was to assist in the development of a stewardship program in Arizona that would create a way to update the NHD with data collected and edited by the local users of the dataset.

Based on the post-workshop survey, attendees supported pursuing a pilot project to assist standardizing update procedures and schema standardization for the purpose of improving the NHD. A Pilot Project Workgroup was formed to meet and discuss pilot location, process of acquiring and storing existing data, and develop methodologies for integrating the datasets to a standard format. That group has met twice and has great momentum in creating standards for improving the NHD. Our next steps will be to meet with the USGS Technical Team in August to present our progress and how best to join our dataset with NHD.

NRWG has secured commitments from six presenters for the AGIC Symposium, filling out the two 1-hour blocks dedicated for Natural Resources Special Interest Group. We look forward to these individuals showcasing their work in natural resource, the tools they have developed, and their collaboration efforts with fellow GIS professionals.

For full details of the meetings, people can refer to the meeting minutes.

- [June 11 NRWG Meeting](#)
- [June 29 NRWG NHD Pilot Project Meeting](#)

Action Items

- No action items



ARIZONA GEOGRAPHIC
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Committee/Workgroup
Cadastral Work Group

Chairs

Jack Avis
Jenna Leveille

Summary

This group meets irregularly and has had one meeting since the May Council Meeting. Activities/Highlights include:

- A 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 (<https://forms.gle/6d4BWZzYXrJNyAL16>) was developed to inventory of available and sharable cadastral data layers
 - Initial response from AZ GIS Communities was incomplete
 - Next step to follow up with counties and local entities to fill in the missing information
- A decision tree for location and available data has been proposed to deliver best practice methodology by location

Action Items

- None



ARIZONA GEOGRAPHIC
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Committee/Workgroup
SPCS2022 Work Group

Chairs

Brian Fisher
Jack Avis

Summary

This workgroup has not met since the May 2020 Council meeting. The preliminary Low Distortion Projections (LDP) for Arizona Counties are still in the design process as previously reported. Please see the May Council Meeting minutes for images and details on the LDP designs being developed.

Action Items

- None



ARIZONA GEOGRAPHIC
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Committee/Workgroup
AZGeo Data Management Plan Work Group

Chairs

Nikki Eiden
Jenna Leveille

Summary

This group has been sunset by the Data Committee



ARIZONA GEOGRAPHIC
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Committee/Workgroup

UAS Work Group

Chairs

Debby Crouse

Chuck Powell

Summary

The work group conducted our first Fly-In event in June and July. The Fly-In was originally planned as in person event at a MCFCD property to demonstrate the planning, flying and collection of an aerial topographic project. Due to Covid-19 we changed course and planned a 2-part virtual Fly-In event focusing on the planning and post-processing of the collected data. Joe Wagner volunteered to set ground control and collect the aerial images to provide to attendees to post-process the data themselves. The First 2-hour session was on the planning and flying the mission and introduction to software that can be used for post-processing. The presenters were Nik Smilovsky, Joe Wagner, Virgil Coxon, Chuck Powell, and Kasey Greene. The data, list of links for trial and demo software and the PowerPoint were provided to attendees via a Google Drive after the event. The second 2-hour session was focused on the results of the post-processing and the type of software used. The presenters were Nik Smilovsky, Joe Wagner, Robert Davis, Chelsea Scott, and Chuck Powell. The events drew 60 plus registered attendees.

The work group has started plans to update the webpage and come up with a team for that task. The group is also planning the UAV part of the Symposium and has 4 submitted presentations and have sent out invitations for a panel round table.

Action Items

- None



ARIZONA GEOGRAPHIC
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Committee/Workgroup

Conference Committee

Chairs

Steve Whitney

Jami Dennis

Summary

The AGIC Conference Committee continues to actively work on the planning and preparations for the virtual Education & Training Symposium. The following items have been accomplished since the last update to the Council on May 7, 2020:

- Past and potential interested participants were polled to get input on the format for the virtual event. Based on the variety of feedback received from the 210 respondents, the Conference Committee has determined the following:
 - The event will be held the week of October 19-23, 2020. The first 2 days will be full days (9am to 4pm, with breaks) followed by 3 half-days.
 - The event will use the WebEx technology hosted by the State Land Department.
 - Hands on workshops will be provided by instructors/organizations that can host their own virtual instruction environment. The workshops will be half-day, scheduled opposite of the conference presentations. Instructors will handle registration and any fees for their workshop.
 - Standard speaker presentations will be limited to 20 minutes, with 3 presentations in a one-hour time block. Technical sessions will be one-hour in length.
 - There will be 4 Special Interest Group (SIG) tracks hosted by AGIC Work Groups: LiDAR, Natural Resources, NG 9-1-1, and UAS
- The Call for Papers was announced on June 22, 2020 with a submittal deadline of July 10, 2020. The committee is currently reviewing the submissions and will have a draft agenda ready by mid-August.
- An ongoing interest poll for technical sessions and hands-on workshops was posted on the conference website to aid in determining which sessions and workshops to offer.
- Currently the following hands-on workshops will be offered, with additional offerings to be added as we coordinate with Esri and other potential instructors.
 - Survey 123
 - AZGIV
 - FME
 - Python Primer
 - Migrating to ArcGIS Pro

- Story Maps
- Conference sponsors:
 - Potential sponsors were also polled to get input on the types of sponsorship options to offer. There were 19 respondents to the survey.
 - There will be two sponsorship options:
 - \$200 – logo placement on t-shirts, web, emails, plenary session pages
 - \$400 – all of the above plus:
 - ability to meet up with attendees in break-out rooms during the breaks
 - Offer giveaways during their breakout sessions (optional)
 - Attendee list of all attendees who do not opt out

Additional Detailed information

Pre-conference survey results:

https://agicsymposium.org/survey/index.php/statistics_user/action/surveyid/686672/language/en

Draft 2020 Agenda: <http://agicsymposium.org/index.php/attend/agenda>

Sponsor survey results:

https://agicsymposium.org/survey/index.php/statistics_user/action/surveyid/383156/language/en

Action Items

This is an information/update item only. No action items are requested from the Council.

AGIC

ARIZONA GEOGRAPHIC
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Committee/Workgroup

Outreach Committee

Chairs

Jenna Leveille

Cheryl Thurman

Patrick Whiteford

Summary

The AGIC Outreach Committee has been hard at work. The Social Media Work Group has increased activities on LinkedIn and Twitter. A social media branding banner and guidelines document has helped to create standard work. Engagement with local universities to meet the new generation of GIS professionals is ongoing. GIS centric news articles continue to be posted online and the AGIC website has never been better.

Action Items

- Participation Levels
 - Reason for action - The Council tasked the Outreach Committee with developing ideas to recognize AGIC participation. The committee agreed that emailed certificates identifying what level of participant and an AGIC logo pin would be appropriate and cost effective. The committee requires council approval for implementation and for the cost of ordering the pins.
 - Cost estimates: depends on size - \$1/ea for enamel or die struck



- Pros & Cons – The benefit of the pin is that it is simple and inexpensive. The disadvantage is that it may not make all participants satisfied.

- Prior committee actions - The Council approved participation levels presented at the May meeting and tasked the Outreach Committee with developing participation recognition.
- AGIC Logo Updates
 - Reason for action - In an effort to align the AGIC logo with updates from the AZGeo logo, a set of new color schemes has been developed that needs approval from the council.
 - Pros & Cons – The benefit is a uniform color pallet for all things AGIC. The disadvantage is that it will require updates to the website and other documentation.
 - Prior committee actions - The council approved the updated AZGeo logo.

Current Logo



AZGeo Logo



Updated Logo



- [Social Media Management Platform](#)
 - Reason for action - In an effort to streamline workflows to manage the several social media outlets. A social media management platform would allow for all outlets to be updated with a single post.
 - The Committee reviewed several options and is still evaluating which will support AGIC needs best at the lowest price. The most expensive plan would not exceed \$400/yr.
 - The group is testing several free trial plans to evaluate functionality. It is known that Hootsuite would serve AGIC needs at \$350/year. The committee volunteers are determining if there is a less expensive alternative.
 - Pros & Cons – Greatly improves the process and saves valuable volunteer time/effort promoting AGIC. Cost for the software will need to be approved.
 - Prior committee actions - None



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Conference Committee

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Summary