

# San Diego Regional GIS Council Meeting Minutes

July 10, 2024

Virtual Meeting via Microsoft Teams

## WELCOME AND SDRGC NEWS

Monique Larragoitia, SDRGC Chair, announced:

- There are a handful of local agencies presenting at this year's Esri User Conference. Presenters include:
  - Wing Cheung, Palomar College
    - Presentation title: Future of the GIS Workforce: Lessons Learned from the Emerging Drone Workforce
  - Aurora Moreno-Resendiz, City of Carlsbad
    - Presentation title: Operational Vision: A Fire Operations Intelligence System
  - Adam Attar, SANDAG
    - Presentation title: Migration to the Cloud: A Collaborative Approach to a Successful Deployment
  - Ryan Bohan, City of San Diego
    - Presentation title: December Nights Mobile Experience
  - Michael Robles, County of San Diego
    - Presentation title: Transitioning from Grids to Intelligent Zones for Evacuations
  - John Elliott, Daniel Zimny, Monique Larragoitia; City of Carlsbad
    - Presentation title: Heavy Lift: Leveraging GIS for Lead and Copper Service Material Inventory

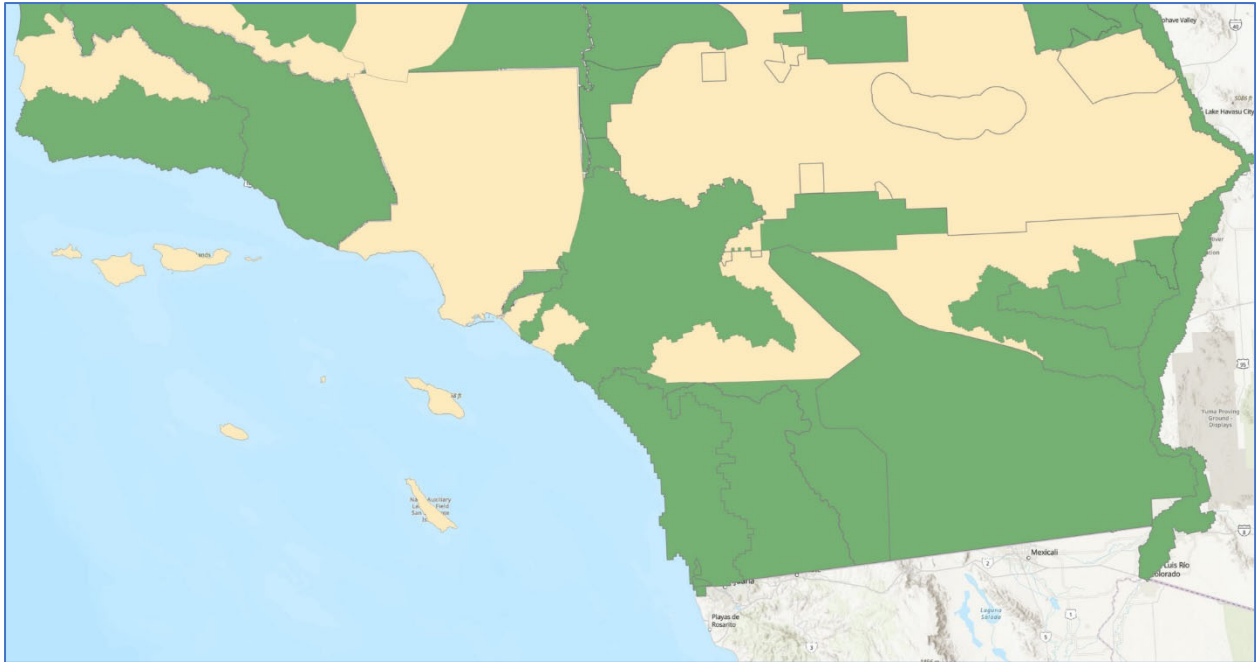
## GEONEWS

### USGS UPDATE

Drew Decker reported:

- There is going to be new lidar data coming for San Diego. USGS 3D Elevation Program (3DEP) is planning a San Diego region dataset. The project is in the planning stages and will be a QL2 data with a targeted data density of 4 points per square meter (greater than the usual 2). The regions covered will be San Diego County, without the military properties. Funds provided by Natural Resources Conservation Service (NRCS)
- 3DEP has other projects in work in southern California. The Imperial County/Salton Sea project is complete and the Los Angeles County project (including all the Channel Islands) is underway. A large project to collect data for the Mojave area in southeastern CA has recently been awarded. This should complete statewide lidar for CA. Link: <https://usgs.gov/3DEP>
- The 3D National Hydrography Program (3DHP) is a new direction in surface water data. It's a revision to the current NHD whereby surface water features will be derived from recent high resolution elevation data. A new data model and new processes for data generation and review are in work. USGS will support partnerships with organizations to generate new 3DHP data across the nation. 3DHP link: <https://usgs.gov/3DHP>
- The new "Data Collaboration Announcement" (DCA) is a mechanism for partnering with USGS and other federal agencies to acquire new 3DHP and 3DEP data. This can be used by partners interested in generating lidar or hydrography data. USGS will host a public webinar on August 7 at 10:00 AM PDT. Registration required. Link: <https://www.usgs.gov/3d-national-topography-model/data-collaboration-announcement-portal>
- USGS will also be releasing a new, one-time, elevation product. This is a digital surface model (DSM) based on satellite imagery. It will provide a one meter ground resolution product that will show the ground along with structures and vegetation. This will complement the 3DEP data. Data will be posted to USGS National Map Download site later this year. Link: <https://apps.nationalmap.gov/downloader/#/>
- Drew will be at the Esri UC next week and USGS will have a kiosk on the Exhibit Hall floor in the Natural Resources area. Feel free to stop by with any data related questions.
- Please contact Drew Decker ([ddecker@usgs.gov](mailto:ddecker@usgs.gov), 619-225-6430) with any questions or requests for presentations on the above topics.

3DEP status for Southern CA. Green areas are complete; tan is in work:



## SANDAG UPDATE

Andy Gordon, reported:

- Fiscal Year 2025 Budget Capital Projects viewer launched. Users can find info about SANDAG projects via map, table, or search:
  - <https://www.sandag.org/funding/budget>
- Deployed new enterprise environment. We are populating with services and apps now. Adam Attar will give a presentation about this at the Esri UC
- Launch of new Regional Data Warehouse in partnership with SanGIS coming soon, just putting on a few finishing touches
  - We will notify via the SDRGC mailing list

## SANGIS UPDATE

Tod Chee, reported:

- Imagery
  - SanGIS has been reviewing imagery providers for the next round of the imagery consortium buyup.
  - New vendors are offering comparable services and we may not be able to sole source anymore.
  - SanGIS has already met with some vendors and will follow up with more at the ESRI UC
  - Any Consortium member that is interested in seeing what vendors SanGIS has spoken with can contact Tod
- Data
  - Received an updated business sites file and will be updating the associated layer this week
  - Preparing our emergency data drives and updating the associated layers including Hospitals, Healthcare Facilities, Hydrants Consolidated, Law Detention Centers, Law Facilities.
  - CHRIS data updated last week.

## PRESENTATIONS

The Revision of the Federal Standard Occupational Classification System and its Potential Impacts on the Geospatial Workforce

Presenter – Wing Cheung, Palomar College:

- Time-sensitive topic.

- The Federal Standard Occupational Classification (SOC) System classifies all of the nation’s workers into 867 detailed occupations. It guides how job and labor statistics are collected and reported, how academic programs are developed, and how STEM occupations are classified.
- GIS does not have an official SOC code, which leads to misleading information about the field. If not in SOC, job and wage information is not collected by the federal government.
- The SOC System is revised every TEN years. Public comments are being accepted until August 12<sup>th</sup>!
- Wing is leading a working group to write revisions and feedback. If you’d like to learn more on why this matters or join the working group, please contact Wing ([wcheung@palomar.edu](mailto:wcheung@palomar.edu)).

**The detailed presentation slide deck is available on the SDRGC website: <https://sdrqc.org/Documents/docs.html>**

### Utilizing ArcGIS Insights and Experience Builder to Automate Fire Department Standards of Cover

Presenter – Aurora Moreno-Resendiz, City of Carlsbad

- Standards of Coverage Study is produced by the City of Carlsbad and includes critically important data for fire and ambulance operations. Due to the cost, only feasible to perform this study every 4-5 years.
- Utilizing ArcGIS Insights, Carlsbad is now able to produce rapid analysis and analytics available hourly.
- Technical challenges sharing Insights workbooks and formatting of call duration.
- Solutions included using Experience Builder for multi-page reports and custom calculations for time formatting.
- Found value in working with Esri to communicate needs because this resulted in beneficial Esri updates to Insights!

### From Mail to Digital: Modernizing Structural BMP Maintenance Verifications with GIS-Based Electronic Submissions

Presenters – Kimberly Valenzuela, Rommel Reyes, and Rob ODonnell; City of Chula Vista

- Develop, maintain, and update a watershed-based database to track and inventory all Priority Development Projects and associated structural Best Management Practices (BMP).
- Leveraged a series of tools including ArcGIS Survey123, ArcGIS Dashboards, and ArcGIS Arcade.
- Received advice and guidance from City of Carlsbad GIS, who had created a similar solution for BMP maintenance verifications and presented at a past Esri User Conference.
- Pursued a strategy of no code/low code of Survey123 Web, URL parameters and some supporting Arcade to reduce the maintenance effort.
- Integrated with an asset management system to import GIS to Lucity.

**The detailed presentation slide deck is available on the SDRGC website: <https://sdrqc.org/Documents/docs.html>**

### OPEN DISCUSSION

- Rob Chohan is a developer with the National Park Services. Rob shared NPS links and updates in the chat:
  - Update from the Maps for Web team at NPS.gov
    - National Park Service State Pages
      - Refreshed with FOSS4G map rendering engine (MapLibre)
        - <https://NPS.gov/ca>
        - <https://NPS.gov/az>
        - <https://NPS.gov/pr>
      - Maps for Web Technical Blog
        - <https://www.nps.gov/maps/web>
- Bonni Yarnell is a developer with the Irrigated Lands and Pest Control District and has created mapping systems like those shared today. Bonni would be interested in presenting at a future meeting.

## Confirmed attendance for July 10, 2024

Abe Coughlin	Kristopher Consul
Adam Attar	Kulkarni, Vaishali
Alex Hacker	Lam, Paulena
Alex Sainz	Linda
Alexander Castro	Logsdon, Joshua
Alsheikh Yassin, Mohamad	Louise Wedley
Andy Gordon	Luis García
Arash Afghahi	Mai, Philip
Aurora Moreno-Resendiz	Maldonado, Brenda
Batchelor, Jason	Marco Dipp
Birdwell, Paula	Marcus Chiu
Bonni Yarnell	Maria-Benavides, Jennifer
Brian Gaze	Mario Terrazas
Broumandi, Firouzeh	Marlene (Guest)
Burson, Brittany	Matthew McSpadden
Camacho, Nicholas	Melisa Caric-Lee
Camille Lill	Michelle Kinzel
Carl Sorenson	Monique Larragoitia
Chohan, Rob P	Morgan, Alexandra
Chris Schuchardt	Natalie Carter
Christopher Perez	O'Brien, Kevin
Daeschner, Scott	O'Leary, Hayette
Daniel Dugal	Oliver D. Sandoval
Daniela Mejia	Oliver, Yuko
David Young	Pate, Erick
Debby Stein	Rob "Space" Kraft
Decker, Drew	Robert ODonnell
Delarosa, Jeffrey G	Robert Shanaberger
Dr. Crystal English	Roberts, Audrey
Emily Orsborn	Roberts, Lorie
Flores, Nicholas A	Robles, Michael
Funk, Matt	Rommel Reyes
Gerrits Jr., Dennis	Russell Mercer
Henderson, Diana	Saeid Noori Bushehri
Jacob Glen	Sanchez, Jessica
James Crandall	Scott Rothberg, PhD
Jen Gordon	Sophia Bejarano
Jen Kay	Suzanné Walther
Jessica Gerski	Tod Chee
Jimmy Elmore	Wing Cheung
Juliette	Work, Amy
June Acosta	Zahra Khani
Kat (Evari)	
Kate Gallegos	
Keen, Carly	
Kevin Highland	
Kevin Volz	
Kimberly Valenzuela	
Kiran Pallachulla	
Kirby, Leeanna	