

SDRGC Meeting Notes: October 2016

GEONEWS

USGS

3DEP Acquisition

USGS has the 3D Elevation Program (3DEP) to support generation of new elevation data across the country. A new FY16/FY17 Broad Agency Announcement (BAA) has been opened with initial proposals due on October 10. The BAA will solicit proposals for the generation of new elevation and requests for matching federal funds. This will be the third round of funding for LiDAR through 3DEP. Last year, program funds were provided to add to those from San Diego County and SANDAG to generate LiDAR for the eastern portion of San Diego County. This project is now underway. Details on 3DEP can be found on the program's website here: <http://nationalmap.gov/3DEP/>

National Hydrography Dataset

California Department of Water Resources (DWR) has received the direction and funding to support stewardship of the National Hydrography Dataset (NHD). State FY2017 funding will be used for the startup and management of a new program. The California Department of Fish and Wildlife is also supporting major updates to numerous watersheds across California. USGS recently held training in Sacramento for DWR and U.S. Forest Service NHD editors.

National Map Corps

USGS continues to support its National Map Corps program to gather crowdsourced information on structures. The online editor is new and replaces one sourced from Open Street Map (Potlatch 2). This new editor does require creating a new account, so if anyone here had an account you will need to make a new one. It's a simple process, however, requiring a Google- or Microsoft-based email, and you can use the same user name as before. Participation in the National Map corps program is open to any interested persons and your edits both help update our National Structures Database and will be used in the new US Topo maps (next scheduled for CA in FY2018). Information on the National Map Corps and how to help contribute data can be found here: <https://navigator.er.usgs.gov>

USGS, NOAA, Army Corps Imagery Project

USGS, NOAA, and USACE funded an interagency effort to survey the entire Pacific Coast from the Mexican border north to Canada with LiDAR to document the topography of West Coast beaches when they are at or near minimum sea levels because of El Niño-driven erosion, so scientists can then track subsequent changes. The flight extent is a 500m wide swath beginning just seaward of the water's edge. Production is wrapping up and the data should be reviewed by USGS shortly and then made available for download.

International Map Industry Association

The International Map Industry Association (IMIA) is having their Americas Conference here in San Diego. It will be November 29 – December 1, 2016 at the Omni San Diego Hotel. From their brochure, “IMIA is an international association where mapmakers, publishers, geotechnology companies, content providers, distributors, and government agencies come together to network and conduct business.” Note they have several panel discussions planned and are seeking interested participants from the San Diego GIS community. The panel discussions are Open Data, The Business of Maps, Outdoor Recreation, and Cartographic Research. Registration costs for the day are waived for panelists. Brian Fox at USGS (bfox@usgs.gov) is one of the organizers and Space Kraft and I are helping him get the word out about the event. For more information, visit the IMIA website here: <http://imiamaps.org/event/imia-americas-conference-2016>

Please contact Drew Decker (ddecker@usgs.gov, 619-225-6430) with any questions on the above topics.

CalGIS Council Update

- The meeting was held on September 8th, 2016. Highlights from the meeting included:
- The State has appointed a new Chief Data Officer – Zac Townsend who will work out of the GovOps agency. Zac is schedule to give a presentation at the next CalGIS council meeting on December 8, 2016.
- The Council is looking for nominations/volunteers for the Executive Committee. Executive Committee members help keep the Council operating and members serve for a one year term. Those interested should visit the CalGIS Council website at <http://cgia.org/cagiscouncil/>
- It was announced that Mark Grenigner, GIS Information Officer (GIO) for LA County has taken on the new position of Chief Data Officer
- The State of California has now taken responsibility for state-wide stewardship of the National Hydrography Dataset (NHD) and Water Basin Dataset (WBD). Jane Shaeffer-Crammer is the state coordinator.
- The Council is calling for new workgroups for Public Safety and NextGen 9-1-1. Those interested should visit the CalGIS Council website for details.

SanGIS Update

- SanGIS has been working on updating important base layers for the editing environment - specifically the LOTS layer and the APN_ATR Table. While these layers are not usually widely-used they are critical to the SanGIS editing process and to the Assessor's conversion from CADD to GIS. The LOT layer project should provide much more useful and accurate information for all local jurisdictions.
- SanGIS has almost completed work on the regional base map cache. This project was initiated by the SanGIS Technical Advisory Committee in order to provide a more current, accurate, and complete base map for SanGIS partners. SanGIS is currently testing a cache of about 20% of the County to determine the size and time requirements. The partial base map is available from the SANDAG web services page for anyone interested in reviewing it.

- SanGIS is moving forward with Amazon Web Services (AWS) to be used for certain limited access feature editing and map services. Brad threatened to bore everyone at a future SDRGC meeting with a presentation on how it goes.
- Brad noted that SanGIS is still interested in getting notifications of corrections that should be researched for the regional GIS data. He requested that any notifications include either an Assessor Parcel Number (APN) or Road Segment ID (RoadSegID) to help the edit staff narrow down the search location.

SANDAG Update

- 2016 LiDAR Acquisition Project
 - Task order executed 9/16
 - Project Kickoff meeting held on 9/27 (slides attached and can be posted on SDRGC website)
 - Quantum Spatial selected vendor (via USGS GPSC)
 - Same vendor that was used for the 2014 regional partnership and 2015 FEMA projects
 - Quantum is mobilized and prepared to start flying immediately
 - Project timeline – completion NTL 11/2017
- SPACECORE project nearing completion
 - Database and toolset development complete
 - Currently working on web based review tool
- Satellite imagery subscription renewed for San Diego and northern Baja, CA
- SDForward Regional Transportation Plan data has been updated and is available for agencies on request
 - SANDAG published a service here: [http://gis2.sandag.org/sdgis/rest/services/SDForward/SDForward Transportation/MapServer](http://gis2.sandag.org/sdgis/rest/services/SDForward/SDForward%20Transportation/MapServer)
- SANDAG will be initiating an update to the Parcel Lookup Tool (<http://sdgis.sandag.org/>) in the next couple of weeks.
 - The application will be combined with SANDAG's Geographic Boundary Viewer (<http://gbv.sandag.org/>)
 - This will provide users a single source for geographic boundary data and parcel information and consolidate REST services
- SANDAG was chosen as one of six entities nationwide to be the focus of the Esri/ICMA Smart Communities Case Study Series
 - The article focuses on SANDAG's use of GIS going back to the early 1970's
 - Will be published late October, 2016

Working Group Update

Imagery Working Group

Brad reported that it is now time to pin down the participating agencies, costs, and funding available in order to complete the contract with Pictometry. Email is going out now to all potential partners to gather information on funding availability, timing, and payment mechanisms. All interested parties are asked to respond promptly. Anyone interested in participating should contact Brad at SanGIS for information.

Proposed AGOL Working Group

Abe Coughlin at Escondido suggested a new working group focused on public agency use of AGOL.

Assessor's Office Parcel Workflow Update

Presentation by Eric Culp.

Questions:

- Peter Fait asked about the length of time between change submittals and updates showing up in the SanGIS database. Eric explained that the timing of the submittal and how the tax roles and assessor's processes coincided was the main driver for the discrepancies. Hopefully with the changes in the editing workflow the submitted "cuts" will show up sooner.
- David Palomino asked if SanGIS/Assessor were thinking about web apps. Eric says they are working towards those, however could not put a timeline on implementation.
- Ross Martin explained that the SanGIS Board with input from the Technical Advisory group included the editing workflow revision in the budget. The revision was in response to eliminate the replicate workflows in SanGIS and the Assessor's Office for changes in the parcel data.

Open Discussion

Barbara Kent, Caltrans

MAP-21, the surface transportation act of 2013, expanded the Highway Performance Monitoring System (HPMS) reporting requirements to the Federal Highway Administration. It mandated that State DOTs develop an all roads linear referencing system (LRS). This LRS is to include all public roads. Caltrans is in the final stages of data development and have asked cities and counties to verify the accuracy and completeness of the roadway network within their respective jurisdictions – see attachment for copy of letter and list of Caltrans HPMS contacts. While this request is essentially a GIS project, the letter was sent to public works engineers and not necessarily to GIS coordinators or specialists. Caltrans District 11 GIS is available to answer questions regarding this project as is the official HPMS staff contact in Sacramento.

Post meeting follow-up: Aaron Troung, the Caltrans HPMS contact for San Diego, called to follow-up and ask how it went, if there were questions, etc. We provided feedback based on the discussion during the SDRGC meeting.

John Strain, Socal URISA

Socal URISA will be hosting a tour of the San Diego Emergency Management Offices on GIS Day, November 16. Please contact John at johnstrain.gis@gmail.com for more information.

Russel Mercer, Social URISA

The 2017 CalGIS conference will be tentatively at the Oakland Marriott, May 22 - 25, 2017. It will be in partnership with LocationTech which is a company that has put on open-source focused conferences like FOSS4G NA.

The URISA Leadership Academy is targeted GIS Leadership Training by GIS professionals. It will be held in San Diego, April 3-7, 2017, at Hotel Solamar in the Gaslamp.

SDRGC Attendance October 12, 2016

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