

# SDRGC Meeting Minutes – October 10, 2012

## 1. INTRODUCTIONS

Welcome by Steve Hossack, SDRGC Chair. For a list of attendees, please see attachment. This meeting was hosted by Wendy Flynn at the Encinitas City Hall. A special thanks to Wendy for providing a place for us to meet.

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## 2. GEONEWS

### CA GIS COUNCIL MEETING UPDATE - Steve Hossack

- [CalGIS 2013](#) will be held April 15-17 in Long Beach and hosted by SoCal URISA
  - CalGIS is looking for presenters at the conference. There are multiple program tracks and presentation formats to choose from. Deadline for abstracts is November 1<sup>st</sup>, 2012. Details here: [http://www.urisa.org/calgis2013\\_call](http://www.urisa.org/calgis2013_call)
  - Super Early Registration is \$99 for chapter members and \$129 for nonmembers and goes through November 1<sup>st</sup>.
  - The conference will take place at the Westin Long Beach (333 East Ocean Blvd.), and will be honoring the government rate of \$125 a night to all CalGIS 2013 attendees.

### USGS - Brief update by Brad Lind on Drew Decker's behalf

- The 2012 aerial imagery data collection is in progress. The vendor has delivered the 6" and 1 ft imagery of the Western (urban) portion of the County to USGS and they are going through their QA/QC checks now. The schedule provided by USGS indicated that the 6" imagery would be delivered by the end of August and the 1 ft at the end of September. USGS approved a request from their vendor to deliver the 6" and 1 ft imagery together at the end of September. SanGIS (and other partners in the imagery collection effort) had been under the impression that the delivery schedule specified the dates the data would be delivered to them but it is now clear that those dates are when USGS' vendor delivers the imagery to USGS. USGS then has 30 to 60 days to QA/QC the data. The ½ meter imagery is scheduled to be delivered to USGS at the end of October. As far as is known, that delivery is still on schedule.

### SANGIS Update - Brad Lind

- [SanGIS has moved](#) to a brand new building at the County Operation Center campus. The new building is not far from the previous location.
  - 5510 Overland Avenue  
Suite 230  
San Diego, CA 92123

- SanGIS has a new website and everyone is encouraged to take a look at it and provide feedback. SanGIS has tried to facilitate public access to GIS information in the County and has added links to all incorporated jurisdictions in the County. SanGIS asks that GIS coordinators at each City take a look at the [GIS Links](#) page on the SanGIS web site and verify that the links are correct. There is a link for each city to the home/official website and to the GIS data (if available). The SanGIS interactive map is still not available but it is in development.
- Interest questionnaires for participation in a 2014 imagery collection project have been collected. Brad thanked the incorporated cities in the County for their participation and interest. Summarizing the data is in progress and will be available for the next meeting. A quick look at the responses indicates that most respondents can get by with 6" imagery and that almost all respondents would like to have an updated elevation model of some sort.

#### SANDAG Update - Steve Hossack

- SANDAG has updated its Data Warehouse and reconciled the 2010 Census information. Data can be found here: <http://profilewarehouse.sandag.org/>
- A web based review tool for forecast data will be released soon.

### **3. CITY OF ENCINITAS UPDATE** - Wendy Flynn

Wendy Flynn presented on how the GIS program at the City of Encinitas has grown over the last 20 years into a tool that supports nearly half of all City employees. In the 90's, core layers were developed as primarily hardcopy maps for City staff. In 2001, an IT Strategic Plan was published which outlaid the GIS plan which emphasized the enterprise approach. Through the 2000's the GIS program has focused on data capture and implementation in desktop applications such as CityGIS and Cityworks. CityGIS helped front counter employees work with the public and contractors. Cityworks is used by over 50 staff in 6 different Divisions to help with Master Plan updates, project reviews, infrastructure assessments, grant proposals and more. In 2009 the City's Tech Plan started the move of applications from desktop to the web. Soon, much of the data will be available to the public via interactive GIS web maps. Currently, the GIS program is working on a new permitting system, honing their data quality, and building collaboration across every Department Division to make the GIS program a greater success.

For more information contact Wendy Flynn at [wflynn@encinitasca.gov](mailto:wflynn@encinitasca.gov)

### **4. ESTIMATING BUILDING SQUARE FOOTAGE USING LIDAR AND BUILDING FOOTPRINTS** – Grace Chung / Ed Schafer

While building the PECAS (Production, Exchange and Consumption Allocation System) land use simulation model at SANDAG they became aware that they were missing data on building square footage. The PECAS model was designed by the University of Calgary so SANDAG went to them for guidance. Ideally the PECAS model needs building square footage for all residential and non-

residential buildings. To attain building square footage, Grace gathered LiDAR and building footprint datasets from the region in order to estimate the missing square footage data. Building heights were calculated by subtracting the ground elevation of the LiDAR DEM from the building top of the LiDAR DSM. Since most buildings are rectangular in nature the floor space can be estimated with the footprint and height using a multiple linear regression. Ed Schafer explained that after running the model with and without the height variable the footprint of the building had more of an impact on estimated floor space than height did.

For more information contact Grace Chung at [Grace.Chung@sandag.org](mailto:Grace.Chung@sandag.org)

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## **5. EXAMINING A KNOWLEDGE DOMAIN: INTERACTIVE VISUALIZATION OF THE GEOGRAPHIC INFORMATION SCIENCE AND TECHNOLOGY BODY OF KNOWLEDGE**

– Marilyn Stowell

Marilyn Stowell, a masters student at SDSU, presented her thesis research on interactive visualization of the “Geographic Information Science and Technology Body of Knowledge” text. The GIS&T BoK is a reference document which outlines geospatial concepts and skills produced by the University Consortium for Geographic Information Science in 2006. Marilyn has created a reference system for the knowledge domains in the GIS&T BoK by giving weights or scores to specific BoK elements allowing them to be mapped. The visualizations are generated by transforming the document to XML and parsed into Processing programming language. Her primary objectives are to improve accessibility and understanding of the content through visualizations. She will be conducting user testing in around a month to help with determining which layouts are most successful in presenting BoK concepts.

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## **6. OPEN DISCUSSION**

- Many of the SDRGC attendees had also been to the ESRI seminar on ArcGIS 10.1 a week prior on October 4<sup>th</sup>.
    - However, most who attended the seminar agreed the predominant focus was on ArcGIS for Organizations. There still seems to be confusion about how credits are valued and how they are used.
    - Lisa Stapleton (City of San Diego) chimed in about her credit usage over the last three months. Her Organization has used around 100 credits with 6 users.
    - Several others considering ArcGIS for Organizations but have some concern about getting all employees an ESRI account for access to the maps. Data governance by non GIS users may also need to be thought about when.
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## **NEXT MEETING**

The next SDRGC meeting will be held on **January 9<sup>th</sup>**. Tentative meeting location will be at the County Operations Center in Kearny Mesa. If you have any ideas for possible agenda items please contact Bob Blackwelder: [bblackwelder@chulavistaca.gov](mailto:bblackwelder@chulavistaca.gov)

Meeting Attendees, October 10, 2012

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