SDRGC Meeting Minutes – July 11, 2012

1. INTRODUCTIONS

Welcome by Steve Hossack, SDRGC Chair. For a list of attendees, please see attachment.
This meeting was hosted by Peter Meisen at the World Resources Simulation Center. A special thanks to Peter for showcasing the meeting space which is also available by reservation. See http://www.wrsc.org/ for more information.

2. GEONEWS

CA GIS COUNCIL MEETING UPDATE - Steve Hossack

- Nothing to report.

USGS - Drew Decker

- 2012 imagery project continues along. To recap, we are getting six inch data for those areas within cities of San Diego and Poway, one foot for remainder of urban area, and half meter for rural portion of county. Preliminary delivery of the city and urban datasets provided to SANDAG for their planning work. Again, big thanks for to SD Fusion Center, SanGIS (City of San Diego plus San Diego County), and SANDAG.

- New US Topo maps and the USGS historical topographic map collection are both available online. All maps scanned and in PDF format (with geo-extension). See USGS Store site to download.

- National Hydrography Dataset stewardship is ongoing in CA. NHD GeoEdit Tools training took place in Sacramento in Feb (SanGIS was there). USGS offered the NHD applications workshop several times in Sacramento and then again in the LA area in April. USGS is planning an additional NHD GeoEdit tools training session in the Los Angeles area in early fall. This brings our two newest NHD partners (CSU – Northridge and La County Department of Public Works) up to speed. Once the date and place is set, all local and state stewards will be invited (SanGIS, SCCWRP).

- USGS will be conducting another round of the National Enhanced Elevation Assessment (NEEA) elevation inventory this summer. Carol Ostergren sent out an announcement to groups yesterday that had participated in the prior round. From Carol's email:

  USGS has teamed with NOAA Coastal Services Center to maintain what is now called the Interagency Elevation Inventory (IEI). We are at the next phase of our work, which is right now focused on once again updating and validating the inventory as it now looks. NOAA has done monumental work over the past year to bring our USGS inventory and the NOAA Digital Coast and other information (FEMA, county collectors, etc) into a new portal and inventory that will be launching in late July or early August as the US Interagency Elevation Inventory Viewer. The inventory will focus on Lidar and Ifsar data. We will no longer have records for other data sources.

> *NOAA will take the lead on Bathymetric records as well as records from the Digital Coast data set.*
>
> *Concurrently, USGS has launched a new website for the NEEA survey and workshop results, and the various scenarios that were developed to begin the movement toward more comprehensive elevation coverage for the nation. You will find the final report and summary factsheet at the following website:*

http://nationalmap.gov/3DEP/neea.html

- GIS jobs open at USGS office here. Biology focus (BRD) *OPEN this week only*
    - A. Geographer – GS11 – 13 mos w/ possible extension to 4 years (PAC-2012-0436)
    - B. Data Manager – GS9 – also temp for 13 mos w/poss extension to 4 years (PAC-2012-0426)

- NAIP – 2012 NAIP is in work for CA. Will be four band; SoCal already collected. Date of delivery TBA.

SANGIS Update – Brad Lind

- 2014 Aerial Imagery Interest Survey. SANDAG, SanGIS and other regional partners have developed a questionnaire to gauge interest of San Diego County jurisdictions in participating in a regional aerial imagery data collection in calendar year 2014. The survey is intended to find out what jurisdictions are interested in participating and if they have funding available to contribute or if that funding can be included in their 2014 budgets. The questionnaire was emailed to GIS contacts of all incorporated cities in the County as well as tribal, special district, and other regional agencies. If anyone is interested in participating in the survey they can request a copy of the questionnaire by sending email to webmaster@sangis.org.

- SanGIS Web Site Rebuild. The SanGIS web server died in June. This was a catastrophic failure. SanGIS has been in the process of rebuilding their web site using a hosted service and so made the strategic decision to not attempt to recover the old site. Instead they have put up a temporary single page site that provides access to the data download function and links to County/City/SANDAG interactive maps. SanGIS expects the new web site to be back on line within the next week or two. However, the new site will not initially include an interactive map. Rebuilding the interactive map is in progress but is expected to take a few more weeks to complete.

It was noted that the regional data warehouse (public GIS data download site) was able to be recovered within a couple of hours because of the agreement between SANDAG and SanGIS to provide a single source of data. This is another example of how regional data and resource sharing can provide benefits to the public..

SanGIS TRA Updates. The County is working on updating the tax rate areas (TRA) for the new fiscal year. This is a major event at SanGIS. Once the TRA data is published SanGIS will run updates to many layers to update attributes to the latest data from the County. It is expected that

this updated data will be available for download from the regional data warehouse around the end of August.

SANDAG Update - Steve Hossack

SANDAG recently received raw aerial imagery TIFF files from USGS. The images are a product of a multi-agency partnership to share the costs of countywide imagery. These TIFF files are in draft form originated from flights last May. While the imagery still needs further processing for orthorectification, mosaicking, compression it is being used by SANDAG for their regional land-use and dwelling inventory which needs to be completed by the end of July. Overall the imagery looks good so far. Drew Decker from the USGS stated that the imagery processing should be completed in the Fall.

3. GLOBAL ENERGY NETWROK INSTITUTE PRESENTATION
Peter Meisen (Global Energy Institute)

Peter presented the World Resource SimCenter (WRSC) which is a large format visualization and simulation facility. It is surrounded by twelve 7'x7' screens to allow simultaneous viewing and study best practices and solutions to current and anticipated problems on the international, national, regional, and local levels. www.wrsc.org

Global Energy Network Institute (GENI) is a non-profit organization conducting research and education aimed at improving quality of life, energy efficiency and sustainable development. The goal at GENI is to accelerate the realization of sustainable energy solutions in the shortest amount of time for the benefit of all humanity.

From July 6th to August 24th every Monday, Wednesday, Friday is a lunchtime discussion series titled "High Noon: 20 Global Problems, 10 years to solve them." See wrsc.org for registration.

The SimCenter is available for reservation so that any person can take advantage of the immersive visualization environment to tell their own story. The SimCenter can be rented for the whole day, half the day, or hourly.

Questions, Answers & Comments
Q: What is the relationship between GENI and SimCenter?
A: GENI is an umbrella non-profit organization and SimCenter is a project of GENI.

Q: How is the GENI funded?
A: Independent donors, corporate sponsors, MSCI, memberships.

Q: How can we implement this information at the local level?
A: Use the SimCenter to tell the story of sustainability and lead policy makers to accelerate their efforts in planning. Help them envision a green future.

4. CITY OF SAN DIEGO STREET LIGHT CONVERSION PROJECT
Ari Isaak (Evari Consulting)

Ari gave a presentation of the City of San Diego Street Light Conversion Project. The $20M project entailed converting over 35,000 cobra head streetlights from HPS/LPS to Induction.

The project incorporates ArcGIS Server, Verizon 4gLTE cards and iPads to allow work crews to collect GIS data in the field. The workers can edit, take notes, and shoot pictures through a Flex app. Field crews can also collect information about model, existing type, existing wattage, existing voltage, new type, new wattage, new cct, etc. The original data came from SanGIS/SANDAG, City of San Diego, and SDGE. The enterprise system allows office staff to see field crew updates and make adjustments more efficiently.

GIS can be included as a requirement on RFPs. Evari can enable this benefit for the contractor but it is difficult if GIS has not been included in the RFP.

5. ARCGIS ONLINE AND ONLINE SUBSCRIPTIONS
Tim Craig (ESRI)

Tim presented on ArcGIS Online and its use in sharing information through the cloud. These intelligent web maps can be shared online by any device. The web maps can then be consumed by everyone all while sharing the same authoritative data. Access to data and maps can be managed by creating public or private groups through ArcGIS Online which control access and content. ArcGIS Online subscriptions allow you to publish hosted services without servers by publishing from the desktop while lowering IT overhead.

ArcGIS Online is now being incorporated into common office tools such as Excel, PowerPoint and email. Tim demonstrated a geoprocessing function within the constraints of Microsoft Excel.

Subscriptions are based on number of Named Users and Credits. Additional Named Users and Credits can be purchased in pre identified amounts.

There is a free 30-day evaluation of an ArcGIS Online Subscription available at:
http://esriurl.com/ArcGISOnlineEval

6. OPEN DISCUSSION

The SDRGC host booth at the 2012 ESRI UC will have a laptop and display. If you have a web app to present please be at the host booth to show and explain it.

Please bring posters to the host booth the Sunday before the UC and SDRGC will hang them up.

NEXT MEETING

The next SDRGC meeting will be held on **October 10th**. If you have any ideas for possible agenda items please contact Bob Blackwelder: bblackwelder@chulavistaca.gov

Meeting Attendees, July 11, 2012

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