CENTER FOR GEOGRAPHIC ANALYSIS NEWSLETTER
February 2013

HIGHLIGHTS
- Updated Dates for June GIS Institute
- WorldMap Update
- TweetMap
- ESRI SpatiaLABS Available
- ABCD and Colloquium March Presentations
- Call for Visualizations: Fisher Prize in GIS
- CGA Spring Conference
- Asiapop and Landscan 2011 Population Data
- Free E-Book: "Future U.S. Workforce for Geospatial Intelligence"
- Longitude Lunar Method and Cook's First Voyage
- City of Boston Data
- More….

CGA NEWS

Updated Dates for June GIS Institute
The CGA has recently updated several important dates regarding the GIS Institute to be held in June, 2013:
- Application Deadline: Friday, March 22, 2013 @ 11:59 pm (Late applications can join the waitlist.)
- Notification of acceptance: Friday, April 5, 2013
- $100 Registration fee due: Friday, April 19, 2013
- Deadline for meeting with instructors to finalize project/data: Friday, May 10, 2013
- Institute begins: Tuesday, June 4, 2013
- Final project presentation: Friday, June 14, 2013

Read more details and apply to the Institute online.

WorldMap Update
WorldMap Version 1.2 has been released and supports new features and under-the-hood improvements. Users can now:
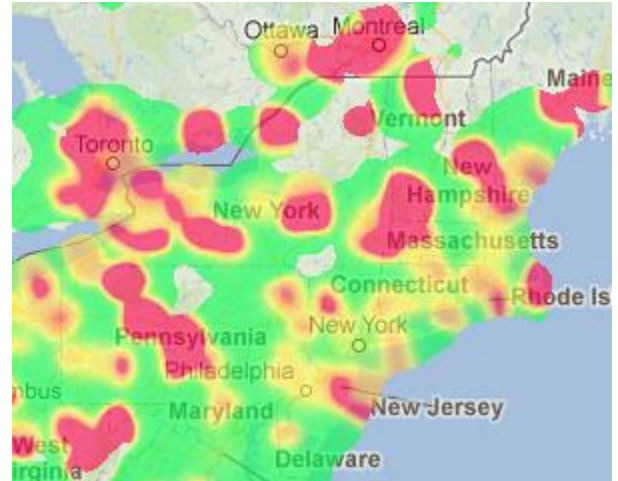
- Comment and rank maps and layers
- Create layers of images or videos by filtering Picasa and YouTube feeds
- Place annotations on maps using a "Notes" tool
- Improvements have been made to the display of Harvard Geospatial Library maps in WorldMap and to overall system performance.

We are currently working on a mobile client, and some other features for the next release.

In the past year more than 6,000 public data layers have been uploaded to, or created using WorldMap. These layers total more than a terabyte of data, most of which is not available elsewhere online.

TweetMap
The CGA has been collaborating with Todd Mostak (former Kennedy School fellow, now MIT researcher) on a fast mapping platform called MapD for visualizing large spatio-temporal datasets such as global tweets. A demo of MapD integrated with WorldMap called "TweetMap Alpha" is available here and currently provides query and display access to 95 million tweets. Also, Directions Magazine wrote an article on TweetMap.

Tweets containing the word "snow" in the Northeast U.S. for 2013 as displayed by TweetMap.

In related work, the CGA and Todd Mostak are completing work on a project with the Harvard Reischauer Institute and metaLAB @ Harvard to use the above mentioned MapD platform to speed map display performance on The Digital Archive of Japan's 2011 Disasters application. Ben Lewis of CGA gave a talk on CGA's work over the past year to support map development of this application. The venue was a conference hosted by the Harvard Reischauer Institute entitled Opportunities and Challenges of Participatory Digital Archives.

ESRI SpatiaLABS Available
The CGA recently purchased the ESRI SpatiaLABs instructional GIS package. These are stand-alone computer lab activities that introduce, develop, and reinforce spatial reasoning and analysis skills through the use of ESRI GIS technology. More information here. The SpatiaLABs instruction and data are available on the T drive at the HMDC computer lab in Cambridge, or by contacting CGA.

CGA's monthly GIS presentations – come join the discussion in March (free lunch)
- **Geography Colloquium @ CGA**
  To be announced soon to this newsletter list.
- **GIS Presentation Series (ABCD-GIS)**
  "Wind Map and Other Visualizations: http://hint.fm " by Fernanda Viegas and Martin Wattenberg, lead technologists of Google's "Big Picture" visualization group. March 20, 2013. Noon – 1:30 in Room K354 of the CGIS North building at 1730 Cambridge St.

Call for Visualizations: Fisher Prize in GIS
The CGA is inviting "geographic visualization" submissions for our annual spring conference. These submissions may be in poster, video, 3d model, interactive website, or another format that can be set up in exhibit space. Submissions by Harvard students will also be considered for the Fisher Prize competition for excellence in GIS. The deadline for submission is Friday, April 26. Learn more on our Fisher Prize pages.

CGA Spring Conference:
"Creating the Policy and Legal Framework for a Location–Enabled Society"
Thursday and Friday, May 2-3, 2013
CGIS Tsai Auditorium, 1730 Cambridge St. Cambridge MA
Read more and register on our conference page. http://gis.harvard.edu/**conference**

ENVI 5.0 Service Pack 2 Available
This is available for Harvard ENVI users at our software download site. After logging in at this site, see the "ENVI and IDL software" topic to download.

CONFERENCES, CALLS, EVENTS & EMPLOYMENT

- ESRI Student Internship Program
- Geospatial Grid Contest

See more details on these calls on our Calls and Public Events page.

NEWS ON GIS RESEARCH AND SERVICES

Meteorite Maps:

Heatmap of Every Meteorite Impact (image at right)

U.S. Map by Rock Type

Locations of Meteorite Craters

Asiapop – Free High Resolution Population Data for Asia

Landscan 2011 Data Available

LANDSAT 8 Satellite Launched

Social Media as Passive Polling: Prospects for Development & Disaster Response
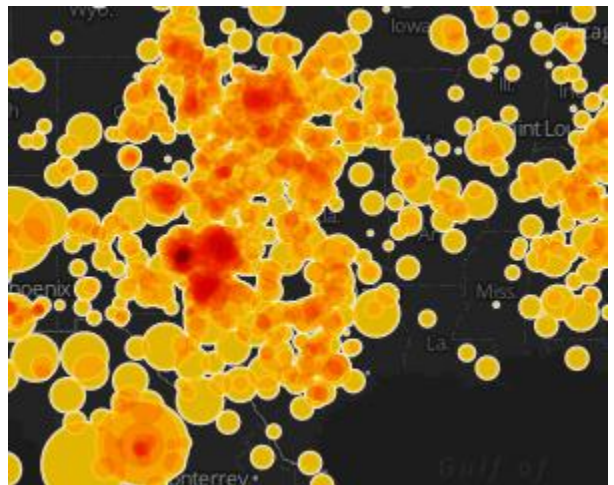
Free E-Book: "Future U.S. Workforce for Geospatial Intelligence"

Why Map Portals Don't Work article / blog

Longitude Lunar Method and Cook's First Voyage - A video by the Fall 2012 Conant Prize winner.

Mapping the Kumbh Mela Megacity

Live Severe Weather Map

CGA featured in "Online tools decentralizing disaster relief efforts" article

GIS Self Learning Tool by The University of Melbourne

City of Boston Data

Bost.ocks.org – Geographic and other visualizations by Mike Bostok

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Editor of this issue is Jeff Blossom.
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