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A Monthly Publication of the CGA at Harvard University

JANUARY 2015

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## CGA NEWS

### GIS Site License Software Upgrade (For Harvard Affiliates Only)

- [ArcGIS 10.3 for Desktop](#)
- [ERDAS Imagine 2015](#)
- [FME 2015 for Desktop](#)



### Upcoming 2014 GIS Technical Training Workshops

CGA offers several non-credit technical training workshops related to GIS (Free to Harvard affiliates but registration is required). The workshops are:

- **Geo Humanities with Omeka Neatline-Cambridge**, by Paul Cote, 4:00-6:00pm, January 29<sup>th</sup>, 2015
- **GIS Basics with ArcGIS-Cambridge**, by Sumeeta Srinivasan, 1:00-3:00pm, January

30<sup>th</sup>, 2015

- **GIS Basics with ArcGIS-Longwood**, by Sumeeta Srinivasan, 1:00-3:00pm, February 6<sup>th</sup>, 2015
- **Wrangling Data into Maps-Cambridge**, by Jeff Blossom, 1:00-3:00pm, February 6<sup>th</sup>, 2015
- **Wrangling Data into Maps-Longwood**, by Jeff Blossom, 1:00-3:00pm, February 13<sup>th</sup>, 2015
- **Making Sense out of Spatial Data-Cambridge**, by Sumeeta Srinivasan, 1:00-3:00pm, February 13<sup>th</sup>, 2015
- **Making Sense out of Spatial Data-Longwood**, by Sumeeta Srinivasan, 1:00-3:00pm, February 20<sup>th</sup>, 2015
- **Geoprocessing with Model Builder-Cambridge**, by Giovanni Zambotti, 1:00-3:00pm, February 20<sup>th</sup>, 2015
- **WorldMap Training-Cambridge**, by Ben Lewis, 1:00-3:00pm, February 27<sup>th</sup>, 2015

More information about technical training workshops and registrations can be found [here](#).

**CGA's Monthly GIS Presentations**-come join the discussion

- [ABCD-GIS Presentation Series](#)  
"Geodesign: Why, What, How?" , presented by Joe Liao, a recent GSD graduate and product engineer at Esri. **February 12<sup>th</sup>, 2015, 12:00-1:30pm**. Room S153, CGIS South Building, 1730 Cambridge St, Cambridge, MA.
- [GIS Colloquium](#)  
"Beyond Mapping: Reconstructing Archaeological Cartography From Archival Data", presented by Gabriel Pizzorno, Lecturer on History at Harvard University. **February 26<sup>th</sup>, 2015, 12:00-1:30pm**. Location to be announced soon.

### **Call for Application: 2015 Fisher Prize Award Competition**

The 2015 Fisher Prize for excellence in GIS will be given to one graduate and one undergraduate student who must be enrolled in the academic year 2014-2015 and in good standing to be considered for the award. Group projects are allowed. The Prize is a cash award of \$500 each given to the top undergraduate and graduate entries. The deadline is 11:59 p.m. **Monday, April 27<sup>th</sup>, 2015**. To submit your work, follow the guidelines listed on the [Fisher Prize](#) page.

### **Call for Application: EDC Student of the Year Award 2015**

The Esri Development Center (EDC) Student of the Year is an annual award open to all Harvard students, sponsored by Esri and administered by the CGA. Application deadline is **March 31<sup>st</sup>, 2015**. For more information and to apply, please click [here](#).

### **New CGA Affiliates**

Please welcome new CGA affiliates: [Rutherford Platt](#), [Angelique Hawk Arachy](#), and [Joseph McGuire](#).

## HARVARD GIS COMMUNITY NEWS

### At a Glance: Early Methods of Cartographic Visualization

This exhibit explores early experimentations in visualization impelled by the explosion of empirical data (and the infrastructure for collecting statistics) since the late 18th century. It includes thematic maps of disease, crime, geological strata, ethnographic patterns, and electoral results. This exhibit will be on display until February 10<sup>th</sup>, 2015. [Map Gallery Hall](#), Pusey Library. [View more information](#)



### Web GIS Course @ Harvard Extension School

Extension-CSCI E-8: Web GIS: Principles and Applications is offered this semester on Thursdays at 7:40 -9:40pm. This course provides students with a comprehensive overview of web GIS, teaches students the state-of-art web GIS application development skills including geospatial web services, cloud GIS, mobile GIS, geoportals and mashups, and inspires students with web GIS application case studies in e-government and e-business. For more details, please click [here](#).

### Mapping Course @ Harvard Extension School

Extension-ISMT E-155: Geographic Communication Today teaches the fundamental geographic, technological, and cartographic concepts required to produce informative, meaningful maps that illustrate geographic phenomena. By using a combination of Internet and desktop geographic information software, students perform geocoding, thematic mapping, web map mashing, and spatial analysis. Students create and publish maps in various media formats including web maps, 3-D, and video. Understanding the nature of geographic data and how to best represent the data in mapped form is emphasized. For more details, please click [here](#).

## CONFERENCES, CALLS, EVENTS & EMPLOYMENT

### Preceptor in Geospatial Analysis Position

Harvard University seeks applications for a preceptor in Geospatial Analysis. The appointment is expected to begin on July 1, 2015. The preceptor will be responsible for designing and teaching introductory undergraduate and graduate courses in geospatial analysis, including geographic information systems (GIS), global positioning systems (GPS), remote sensing and related geospatial science and technology, primarily for students in the social sciences and environmental sciences. In addition, the preceptor will work in collaboration with faculty and the Center for Geographic Analysis to develop GIS tools and geographic data for various courses in the social sciences, environmental sciences, and humanities.

[read more](#)



### **NSF Summer Research Fellow Positions**

The NSF Spatiotemporal Innovation Center provides six summer research fellow positions (two for each site) this year for undergraduates. The undergraduates who are selected will be able to work at one of the three sites (George Mason, UCSB or Harvard) to participate in practical research projects related to spatiotemporal data study. Funding up to \$8k will be provided to cover expenses, including lodging, meals and stipend for each student. [read more](#)



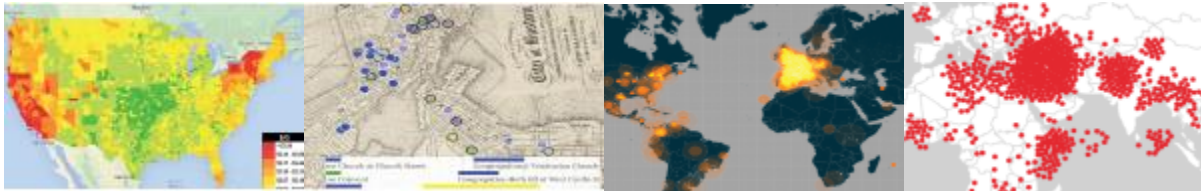
### **Free course from GeoAcademy-Introduction to Geospatial Technology Using QGIS**

Students will learn the fundamentals of GIS and how to build digital maps using QGIS. [read more](#)

### **2015 Undergraduate Geospatial Technology Skills Competition**

The intent of the competition is to showcase the geospatial technology skills of U.S. undergraduate students. Competing students will create a project that utilizes geospatial technology to address a real-world problem. The student will then present the project and the resulting deliverables as a video (approximately 10-15 minutes in length) which not only highlights their use of geospatial technology, but also demonstrates their communication and presentation skills. [read more](#)

### **NEWS ON GIS RESEARCH AND SERVICES**



[USA National Gas Price Heat Map](#)

[Mapping Boston's Religions](#)

[Geotagged Tweets Mentioning #JeSuisCharlie, Paris time zone, January 7 2015](#)

[Interactive Map of Journalists Killed](#)

[Artistic map designs and Fantasy maps](#)

[Mapping the State of the Union](#)

[Alcatraz Escape Simulation](#)

The CGA Newsletter is published monthly. Editors of this issue are Fei Carnes and Jeff Blossom.

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