

CENTER FOR GEOGRAPHIC ANALYSIS NEWSLETTER
December 2011

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CGA NEWS

CGA Collaboration With United Nations University

The United Nations University Institute of Advanced Studies (UNU-IAS) and the Center for Geographic Analysis (CGA) at Harvard University have signed a Memorandum of Understanding aimed at cooperation and collaboration on advancing technologies for online spatial data sharing and web mapping services. A key component of the collaboration is to incorporate WorldMap into the Wildlife Enforcement Monitoring System (WEMS). WEMS, a database of wildlife crime developed by UNU, is now being used to support the Lusaka Agreement on Cooperative Enforcement operations directed at illegal trade in flora and fauna. Read more about this collaboration here:

<http://hvrd.me/sMs9ti>

WorldMap Update

Layer Creation Tool: The WorldMap project (<http://worldmap.harvard.edu>) announces the release of a new layer creation tool. Users can now create their own map layer (point, line or polygon) online, right in the browser. User-created layers operate like any other layers and can be styled, edited, shared, (or not shared) and saved out in various formats. The tool also supports editing of any layer in the system one has edit permissions for. Now researchers in different locations can collaboratively build and edit a GIS layer. It is also now possible to link multi-media such as video, photos, sound, and formatted text to any map feature.

The WorldMap Version 1.0 release is coming in January. Please stay tuned!

Call for Applications: January GIS Camp @ CGA - Deadline 01/11/2012

In January the CGA offers a four-day non-credit workshop during Optional Winter Activities Week (OWAW), titled "**Spatial Thinking and Analysis with GIS**". It meets daily from 9:30 am to 6:00 pm. This workshop is designed for Harvard **undergraduate students**, though graduate students may also apply. It is for students from any concentration, as spatial thinking and analysis could be critical to the sciences, social sciences and humanities alike. No previous GIS training required. See the GIS Camp page: <http://bit.ly/rMgpCt> for details and application. Deadline extended to Wednesday, 01/11 at 11:59 pm.

Business Analyst & Community Analyst Online

These two software packages are now available online through interactive map applications, providing user friendly access to data on demographics and businesses in the USA.

An overview of Community Analyst Online: <http://www.esri.com/ca>

An overview of Business Analyst Online: <http://www.esri.com/bao>

The two online products are provided to Harvard users through the ESRI site license. To access these, first login to the CGA website at <http://gis.harvard.edu>

Then go to our Extensions and Tools page: <http://bit.ly/tJ8jVk>

Information, instructions, and links to access these packages are found on the right side of this page.

ArcGIS Online Version 10.1 Beta Testing Access

Harvard University Center for Geographic Analysis has a new Version 10.1 Beta testing access to ArcGIS Online page, where you can create an interactive map that can be viewed in a web browser, share it on a blog, via email, or embed it in a website.

Access to this page is provided only for HUID holders. If you are interested in testing this new Beta 10.1 Version of ArcGIS Online page, first login with your HUID to the CGA website at <http://gis.harvard.edu>

Next go to our Extensions and Tools page at <http://bit.ly/tJ8jVk>

Instructions on how to access this page are found on the right side of this page.

1st International Geocoding Conference Report

This conference was attended by the CGA's Jeff Blossom. Read his conference report here: <http://hvrd.me/s2Q4ve>

HARVARD GIS COMMUNITY NEWS

Online Map Application Unlocks Arboretum Collections

The Arnold Arboretum of Harvard University is pleased to announce the release of Collection Researcher version 1.0, an innovative web application that provides unique access to the Arboretum's living plant collections through its geographic information system (GIS). Available on the Arboretum website, Collection Researcher integrates a searchable inventory of the Arboretum's nearly 15,000 documented trees, shrubs, and vines with high-definition, digital maps of its 265 acre landscape. The application represents an enormous step forward in providing visiting researchers, the general public, and Arboretum staff with practical tools to explore the collections. For more information on Collection Researcher, visit:

<http://arboretum.harvard.edu/online-map-application/>

Graduate School of Design J-Term Course: Better Maps and Geographic Representation

This seminar for Harvard Graduate School of Design students will cover the "grammar of graphics" from a cartographic perspective. Graphic design will be analyzed, and improving geographic representations by establishing connections between geographic phenomena, data, and visualization approaches will be emphasized. How to diagnose worldly phenomena and how these diagnoses enable proper visual representations will be explored. The Seminar will be held on January 11th, 2012, taught by CGA Visiting Scholar Kirk Goldsberry.

CONFERENCES AND EVENTS

Call for Papers: Digital Cultural Mapping

"Digital Cultural Mapping: Transformative Scholarship and Teaching in the Geospatial Humanities" will be held on June 18-July 3, 2012 at the University of California Los Angeles. This Institute will combine a survey of the "state of the art" in interoperable geospatial tools and publication models, with hands-on, studio-based training in integrating GIS data into Humanities scholarship, developing spatial visualizations, and deploying a suite of mapping tools in the service of creating publication-ready research articles and short monographs with robust digital components. Faculty, advanced graduate students, library staff and digital humanities researchers who are interested in geospatial research and publications are encouraged to apply. The application deadline is February 1, 2012. View the website: <http://hypercities.com/NEH/> for more details and to apply.

NEWS ON GIS RESEARCH AND SERVICES

GIS Internship in Child Health Position Open

The Boston Public Health Commission is seeking a GIS intern to aid a neighborhood study that focuses on elements in Boston communities that impact child health. Student(s) will assist in compiling citywide data from government agencies and other sources, creating GIS data layers that will be used in a neighborhood scan, and conducting analyses of these data. To see this full job posting and to apply, visit our Employment page: <http://bit.ly/nRWPFx>

Satellite Imagery of Earth Every Day

<http://earthobservatory.nasa.gov/IOTD/view.php?id=76674>

Tufts University Open Geoportal Now Live

A Web application to rapidly discover, preview, and retrieve geospatial data from multiple repositories: <http://geodata.tufts.edu/>

Data Visualization of Kiva Loan Activity

<http://vimeo.com/28413747>

School Attendance Boundary Data

<http://www.sabinsdata.org/>

Online QuantumGIS Tutorial

<http://maps.cga.harvard.edu/qgis/>

Cartography and GIS Scholarships

<http://www.cartogis.org/awards/scholarship.php>

Virtual Charlotte: Boosting City Services with Google Maps

<http://vc.charmeck.org/>

Geospatial Platform

<http://www.geoplatform.gov/home/>

CaGIS Awards of Distinction Nominations Being Accepted

http://www.cartogis.org/docs/awards/cagis_award_of_distinction.pdf

Land and Ocean Floor Elevation WMS Layer Map from CubeWerx

<http://worldmap.harvard.edu/maps/africamap2/BWD>

Editor of this issue is Jeff Blossom

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