



Hamburg 2013

March 6-8, 2013

Interactive Maps That Help People Think

Scope

Sources of spatial data abound. Some spatial data are well-structured, others are messy. Some data sets are so large that they have been creatively named 'big data'. Analysing and synthesising these messy, large datasets to produce meaningful insights about phenomena and processes provides both computational and cognitive challenges. While computers can provide answers, people are required to make those answers meaningful.

At the same time, the world faces significant problems that are affecting or will soon begin to affect our daily lives: food

insecurity, climate change and environmental hazards, traffic congestion, economic crises, and species extinction, among others. But both computers and people can do amazing things when tasked with a challenge. These amazing things, however, do not arise out of nowhere. They require a concerted effort to design **interactive analytical cartographic representations** of these messy, big data sets; representations that can effectively **support spatio-temporal inference and decision making by people**. Thus there is a need to bring together researchers who can contribute to our understanding of how technology, people

and spatial representations of information work effectively together to solve the world's pressing problems.

This specialist workshop, jointly organised by the ICA Commissions on Geovisual Analytics and Cognitive Visualization and HafenCity University, Hamburg, will bring together researchers focused on the design, implementation and evaluation of interactive analytical cartographic representations. This meeting will follow the format of the successful GeoViz Hamburg meetings in 2009 and 2011.

Contributions

We call for theoretical, experimental and applied papers that explore the links between geovisualization and cognitive issues. We encourage live demos and the discussion of groundbreaking work in its early stages. All together we will give time and space for a real workshop character.

We expect your abstracts (ca. 2 pages, PDF, IEEE format) until November 15, 2012. Please send these to geoviz@geomatik-hamburg.de

Notification of authors will be done December 20, 2012. Short abstracts of accepted presentations will be published online at the workshop web site. Selected submissions will be invited for consideration in a post-workshop special issue of the *International Journal of Geographical Information Science (IJGIS)*.

More information & registration:
www.geomatik-hamburg.de/geoviz

Organizers

The meeting is jointly organized by the **International Cartographic Association Commissions on GeoVisualization** and **on Cognitive Visualization**, together with **HafenCity University Hamburg (HCU)**.



HafenCity University
Hamburg