Inaugural Lecture & Reception: Data Visualizations - Drawing Actionable Insights from Data

Abstract
In an age of information overload, the ability to make sense of vast amounts of data and to render insightful visualizations is as important as the ability to read and write. This talk explains the power of visualizations not only to help locate us in physical space but also to help us understand the extent and structure of our collective knowledge, to identify bursts of activity, pathways of ideas, and borders that beg to be crossed. It introduces a theoretical visualization framework meant to empower anyone to systematically render data into insights together with tools that support temporal, geospatial, topical, and network analyses and visualizations. Materials from the Information Visualization MOOC (http://ivmooc.cns.iu.edu) and maps from the Places & Spaces: Mapping Science exhibit (http://scimaps.org) will be used to illustrate key concepts and to inspire participants to visualize their very own data.

Speaker Biography
Katy Börner is the Victor H. Yngve Professor of Information Science in the Department of Information and Library Science, School of Informatics and Computing, Adjunct Professor at the Department of Statistics in the College of Arts and Sciences, Core Faculty of Cognitive Science, Research Affiliate of the Center for Complex Networks and Systems Research and Biocomplexity Institute, Member of the Advanced Visualization Laboratory, Founding Director of the Cyberinfrastructure for Network Science Center at Indiana University in Bloomington, IN and Visiting Professor at the Royal Netherlands Academy of Arts and Sciences (KNAW) in The Netherlands. She is a curator of the international Places & Spaces: Mapping Science exhibit. She holds a MS in Electrical Engineering from the University of Technology in Leipzig, 1991 and a Ph.D. in Computer Science from the University of Kaiserslautern, 1997. She became an American Association for the Advancement of Science (AAAS) Fellow in 2012.
Scientific Symposium: **Seeing for Action - Using Maps and Graphs to Protect the Public’s Health**

### Overview
The public expects to be protected from health threats at home and abroad. Public health leaders need the best information to make better, faster decisions to protect the public’s health. Advances in maps, graphs and other visualizations can greatly help the public understand health threats and can lead to quicker public health responses. This symposium brings together researchers from the Centers for Disease Control and Prevention, Emory University, Georgia Institute of Technology and Thomson Reuters to explore how government, academia and industry can collaborate to improve visualization tools to better protect the public’s health.

### PRESENTATIONS

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<td>Chief Science Officer</td>
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<td>Geospatial is the Future! Looking Back to Move Forward</td>
<td>Michael Page, PhD</td>
<td>Department of Environmental Sciences &amp; Emory Center for Digital Scholarship, Emory University</td>
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<td>Using Graphs and Maps to Aid Public Health Decision Making during an Emergency Response</td>
<td>Martin Meltzer, PhD</td>
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<td>Munmun de Choudhury, PhD</td>
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<td>Machine Learning Meets Visualization: Human-machine Sensemaking of Large Network Data</td>
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<td>Visualizing the Knowledge Produced and Associated Impact from CDC’s Published Research</td>
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<td>How Maps and Graphs Help Different Workplace Sectors Address Their Priorities</td>
<td>Di Cross, PhD</td>
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<td>Panel: How Government, Academia and Industry Can Work Together to Improve Tools to Protect the Public’s Health</td>
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### Location
Auditorium A, CDC Tom Harkin Global Communications Center (Building 19)
1600 Clifton Road, NE, Atlanta, GA 30329-4027

**Date and Time:** February 5, 2016, 1:30pm-4:30pm

[Click here to register for symposium](#)

*Light refreshments will be available outside Auditorium A*

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*Estimates of cumulative # of Ebola cases with and without Ebola treatment units (ETUs) and community care centers (CCCs) – Liberia, 9/23/14-10/31/14*

*Source: [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6403a6.htm](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6403a6.htm)*

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The lecture and symposium will be broadcast on the internet.

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  - Closed-captioning will be available only through the Windows Media link.