Brief Bio and (PR)^2: Problems & Pitches – Rants & Raves by Katy Börner

Self Introduction

Katy Börner is the Victor H. Yngve Professor of Information Science at the Department of Information and Library Science at the 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 Biocomplexity Institute, Fellow of the Center for Research on Learning and Technology, Member of the Advanced Visualization Laboratory, and Founding Director of the Cyberinfrastructure for Network Science Center (http://cns.iu.edu) at Indiana University. She holds a Visiting Professor appointment the Royal Netherlands Academy of Arts and Sciences (KNAW), The Netherlands since Jan 2012. She was a Visiting Professor at the National Institutes of Health (July 2010) and the Eidgenössische Technische Hochschule Zürich (ETH), Switzerland (June 2011). She is a curator of the Places & Spaces: Mapping Science exhibit (http://scimaps.org). Her research focuses on the development of data analysis and visualization techniques for information access, understanding, and management. She is particularly interested in the study of the structure and evolution of scientific disciplines; the analysis and visualization of online activity; and the development of cyberinfrastructures for large scale scientific collaboration and computation. She is the co-editor of the books ‘Visual Interfaces to Digital Libraries’ (2003) and ‘Modeling Science Dynamics’ (2012), ‘VIVO: A Semantic Approach to Scholarly Networking and Discovery’ (2012), and of a special PNAS issue on ‘Mapping Knowledge Domains’ (2004). Her book ‘Atlas of Science: Visualizing What We Know’ by MIT Press was published in 2010 and won the ASIS&T best Information Science book award in 2011. 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 and her colleagues at the Cyberinfrastructure for Network Science Center serve the

- Information Visualization MOOC, http://ivmooc.cns.iu.edu
- Scholarly Database of 27 million scholarly records, http://sdb.cns.iu.edu

For more information on her research agenda, teaching, and other activities, visit:
http://info.ils.indiana.edu/~katy and http://cns.iu.edu

General Questions

1) Do you consider yourself a developer, platform user, idealist, creator, connector, etc.?

Designer, user, and connector.
2) What is (are) your main interest(s) in attending the workshop?

Understand existing efforts, create synergies between efforts, arrive at a socio-technical platform for S&T networking that is open source, easy to extend and customize, and that truly meets the needs of different user groups.

3) What would you like to learn / achieve at the workshop?

Identify
- desirable features of the platform,
- relevant technologies/existing tools,
- a dream development team and early adopters, and
- funding to implement/advance/serve the platform in a sustainable manner.

4) What tools, services, efforts are most relevant for the topic of the workshop?

VIVO (http://vivoweb.org) makes it possible for any institution/agency/society to organize, manage, and interlink high quality data and to expose it in a semantic web compatible way. Several other systems have adopted the VIVO ontology, making it possible to cross-search/query different instances, see http://nrm.cns.iu.edu for an animation of the evolving international network.

See also overview talks at the workshop.