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All papers, maps, tools, talks, press are linked from http://cns.iu.edu
These slides will soon be at http://cns.iu.edu/docs/presentations

CNS Facebook: http://www.facebook.com/cnscenter
Mapping Science Exhibit Facebook: http://www.facebook.com/mappingscience
20+ CNS staff and students work on 20+ projects

- Monitoring, Modeling, and Forecasting Tools for Fostering an Innovative S&T Workforce. NIH U01 GM098959-01 (Katy Börner & James P. Crutchfield, UC Davis)


- Mapping the Emergence and Development of Scientific Disciplines. James S. McDonnell Foundation

- Pathways: Sense-Making of Big Data. NSF ISE DRL-1223698 (Katy Börner, Adam V. Maltese, Joe E. Heimlich, Stephen Miles Uzzo, Paul Martin, and Sasha Palmquist)

- Introducing the Science of Science (Sci2) Tool to the BBSRC Policy Evidence Team. BBSRC, UK.

- ...
The Global 'Scientific Food Web'

Contributions:
Comprehensive global analysis of scholarly knowledge production and diffusion on the level of continents, countries, and cities.
Quantifying knowledge flows between 2000 and 2009, we identify global sources and sinks of knowledge production. Our knowledge flow index reveals, where ideas are born and consumed, thereby defining a global ‘scientific food web’.
While Asia is quickly catching up in terms of publications and citation rates, we find that its dependence on knowledge consumption has further increased.
From funding agencies to scientific agency: Collective allocation of science funding as an alternative to peer review


Existing (left) and proposed (right) funding systems. Reviewers in blue; investigators in red.

In the proposed system, all scientists are both investigators and reviewers: every scientist receives a fixed amount of funding from the government and discretionary distributions from other scientists, but each is required in turn to redistributed some fraction of the total they received to other investigators.
More than 4000 unique students registered for IVMOOC13 and IVMOC14.
MOOC Visual Analytics: Empowering Teachers, Students, Researchers, and Developers of Massively Open Online Courses


Figure 9.2 Student registration, exam taking, YouTube and Twitter activity over time
References


Places & Spaces: Mapping Science Exhibit

Explore 100 maps and background information at http://scimaps.org
Humanexus

Producer (Initial Story/Guidance/Resources): Katy Börner, SOIC, IU

Director (Animation/Art/Design/Editing): Ying-Fang Shen, School of the Arts, Virginia Commonwealth University

Sound Artist (Music/Sound Track): Norbert Herber, Department of Telecommunications, IU

http://cns.iu.edu/humanexus

Join us for a screening of the movie and panel discussion with makers at the IU Cinema on Sept 8, 7pm!