Brief Bio and (PR)$^2$: Problems & Pitches – Raves & Rants by Matthew Probus

Biography

As Chief Architect for DiscoveryLogic, Matthew Probus provides technical guidance for projects related to grants management and to technology transfer for NIH clients, currently including the Office of Technology Transfer (OTT), the Office of Loan Repayment and Scholarship (OLRP) and the National Institute of Allergy and Infectious Diseases (NIAID). Prior to joining DiscoveryLogic, Matt had practiced his software development skills in the varied fields of financial information publishing, corporate governance, geographic information systems, and text retrieval. He has served as CTO of Fourwinds Technology (which focused on automated aeronautical chart creation), as CIO for two Thomson Financial businesses, as a founding employee of GeoSystems (which later became known as MapQuest), and as a technical manager at Advanced Decision Systems (original parent company of Verity). He received his B.S. in Computer Science from Virginia Tech in 1983.

General Questions

What is your main interest in attending the workshop?
- To identify people and technologies that could help address several specific challenges within NIH.

What is your main interest in ‘mapping science’ and/or ‘knowledge management (KM) tools’?
- To facilitate the creation of software tools to automatically identify organizations that might be qualified and interested in licensing specific NIH technologies to further develop these technologies into products benefiting human health.
- To identify technologies that could be used by NIH in tracking, aggregating, and visualizing measurable outcomes of research grants.
- To identify possible new approaches to text-based categorization and/or linking in order to support more efficient means for processing grant applications.

Questions for Funding Agencies / Clients

What information needs / knowledge management needs do you have? Explain your ‘dream tool’.
- A data visualization tool that allows for intuitive and seamless exploration of explicit and implicit links between entities in multiple existing databases of research grants, publications, clinical trials, FDA-approved drugs, patent applications, and patent grants.

Which part(s) of your daily work might most benefit from advanced science mapping and KM tools?
- My daily work is devoted to identification and/or integration of applicable KM tools that would help further the mission of NIH. Therefore, all of my daily work would benefit.

What would you like to learn / achieve at the workshop?
- Ideally, I’d gain a sense of which experts and technologies in the field could help us solve specific challenges we face at NIH.

Please send the completed document by Thursday March 30th, 2006 to Katy Borner <katy@indiana.edu> and Deborah MacPherson <debmcp@gmail.com>