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

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CNS products, datasets, tools, interactive displays, and more: http://cns.iu.edu
Börner’s research agenda, teaching, and other activities: http://info.ils.indiana.edu/~katy

General Questions

1. Do you consider yourself a developer, user, creator, system evangelist, etc.?
   
   User

2. What is (are) your main interest(s) in attending the workshop?
   
   I would like to understand how the OSGi/CIShell architecture that our tools use relates to other efforts that aim to support the plug-and-play of algorithms by non-computer scientists. Ideally, the workshop provides a means to identify system architectures that support modular software development and scale to BIG data. I am also interested to identify synergies among existing tool and service development efforts—the more teams agree on basic standards the easier the exchange of know-how and plugins. Identification of joint funding opportunities would be a plus.

3. What would you like to learn / achieve at the workshop?
   
   I would like to understand how the OSGi/CIShell architecture that our tools use relates to other efforts that aim to support the plug-and-play of algorithms by non-computer scientists. Plus, how can we make the OSGi/CIShell architecture ever more user friendly?

4. What is (are) the tool(s) or service(s) you would like to share at the workshop?
   

5. Please list three features or functions of your tools or services that are most important for users?
   
   Ease of use—installation, reading and saving data, and workflow design.
   Plug-and-play of algorithms by non-computer scientists.
   Re-runnable workflows and error log generation.

6. What are the major concerns for the architect design of the tools / services?
   
   Plug-and-play plus usage of advanced algorithms by non-computer scientists.
7. What are some underserved user needs that your systems, idealized versions, or an ecosystem that your systems are integral components of could address?
   Compared to other tools, http://cishell.org powered macrosopes seem to be able to address the needs listed in 5.) but I am interested to see how we can further improve our tools and services.

8. Are you or your group working on any of these challenges? If yes, please explain.
   http://www.scivee.tv/node/27704

9. “Big data” and “cloud computing” get thrown around a lot as terms. How do these concepts and your, your group’s and your users’ interpretation and understanding of them affect your plans for development?
   More and more of our projects require the analysis and visualization of BIG data. Some of them use cloud setups that are not yet easy to use.