

## Charge to Break Out Group #2

As stated in the meeting “Prospectus”, digital scholarship often involves new types of information objects, data analytic processes, resources, tools and heuristic representation of findings that cannot be accurately or completely described or communicated in traditional print or print + electronic venues. Nor can the information be semantically accessed. What new expressive forms, document models, practices and venues might help remedy this situation.

### Points to consider:

The primary researchers may be disinclined to do this for multiple reasons. For example, extra work in preparation of their project results; institutional pushback from “publishing” in non-conformist or new experimental venues; complexities introduced into review processes.

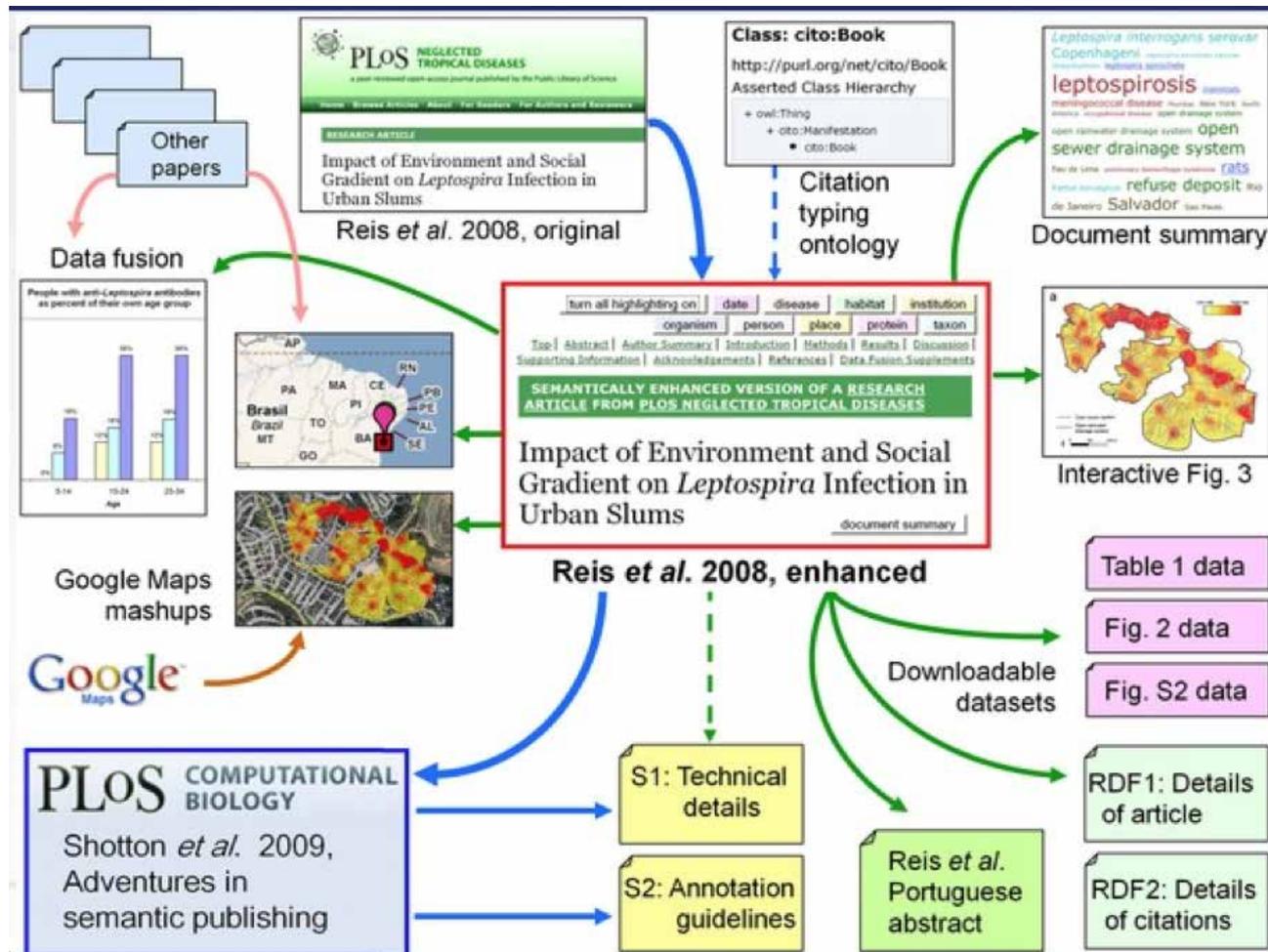
The March 2011 “Emerging Configurations of the Virtual and the Real” focused considerable energy on new forms for communicating scholarly work. I encourage you to view the web site and review the presentations:

<http://www.sis.pitt.edu/~econfigurations/>

Log-in: econfigurations

Password: virtual

# There is a Need for Richer Document Models



Shotton et al. (2009b) define semantic publication to include anything that:

- enhances the meaning of a published journal article
- facilitates its automated discovery
- enables its linking to semantically related articles
- provides access to data within the article in actionable form, or
- facilitates integration of data between articles.

“the current scientific literature, were it to be presented in semantically accessible form, contains huge amounts of undiscovered science”

Peter Murray-Rust  
NSF/JISC Workshop, April 2007

# Cultural Historical Research

Cultural historical research means understanding 'possible pasts', the facts, events, material, social and psychological influences and motivations. It lives from understanding contexts, by pulling together bits and pieces of related facts from disparate resources, which can typically not be classified under subjects in an obvious way. It lives from taking into account all known facts."

... Under these conditions, the global network of knowledge can reveal deep "stories" built out of an immense number of concatenated primary facts, and thing impossible for a traditional library.

Martin Doerr - Principal Researcher, Forth - Hellas