

HCLS Scientific Discourse Tasks Status

HCLS SciDisc Concall 20 Dec 2010



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Current SciDisc Task Threads

- Rhetorical Document Structure
 - ORB, DRO, DOCO, DEXI
- Bibliographic records and citations
 - CiTO + SWAN
- Data, Experiment & Interpretation
 - DEXI: SWAN / myExperiment / OBI
- Annotation of Web Documents
 - Annotation Ontology (AO)
- Scientific Article of the Future

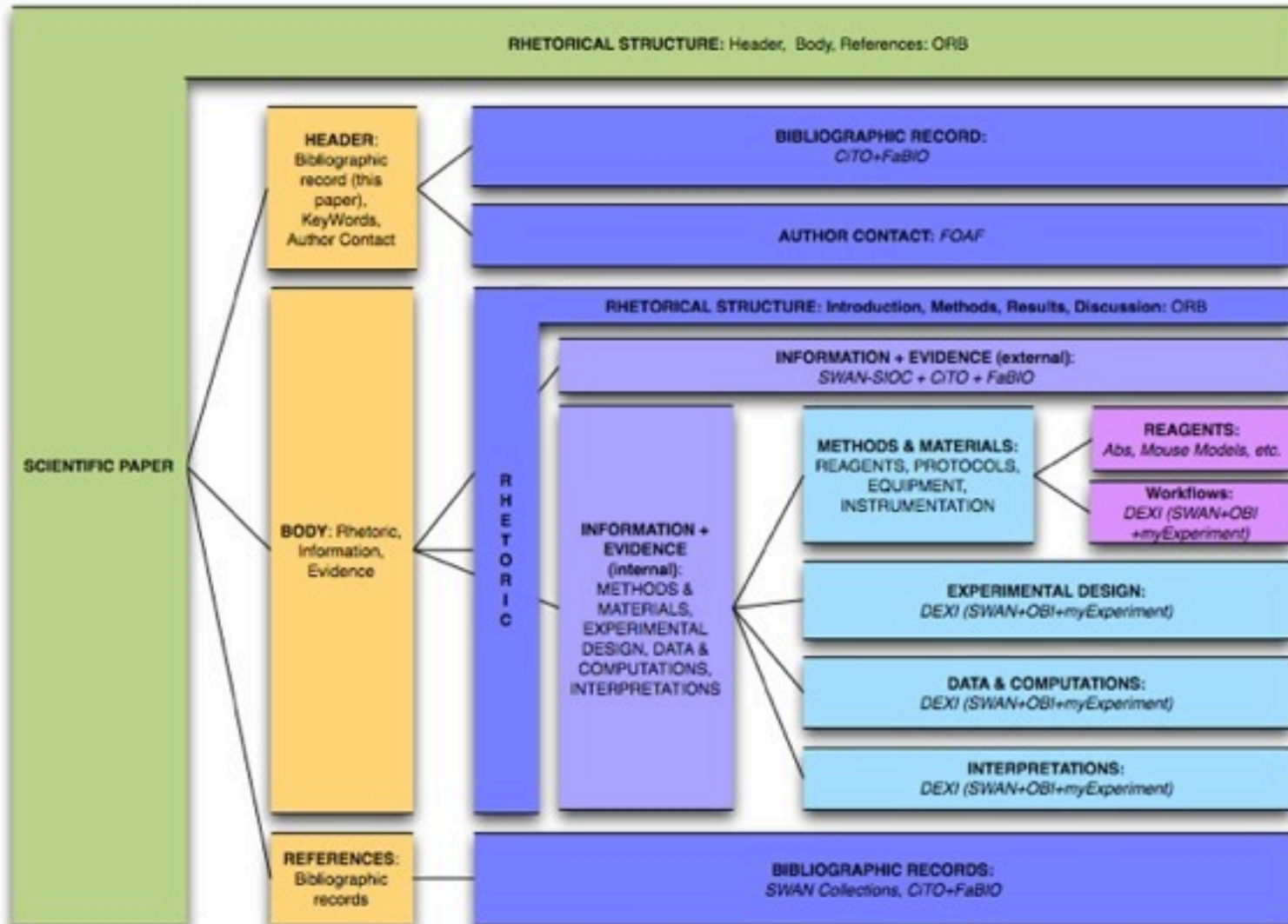
Rhetorical Document Structure

- ORB Coarse-grained model
 - W₃C SIG Note in progress (Groza & Ciccarese)
- DRO Medium-grained model
 - Initial outline proposed (De Waard)
 - DExI Alignment in progress (Das & Schneider)
- DoCo Fine-grained model
 - Initial alignment to DRO proposed (Shotton)

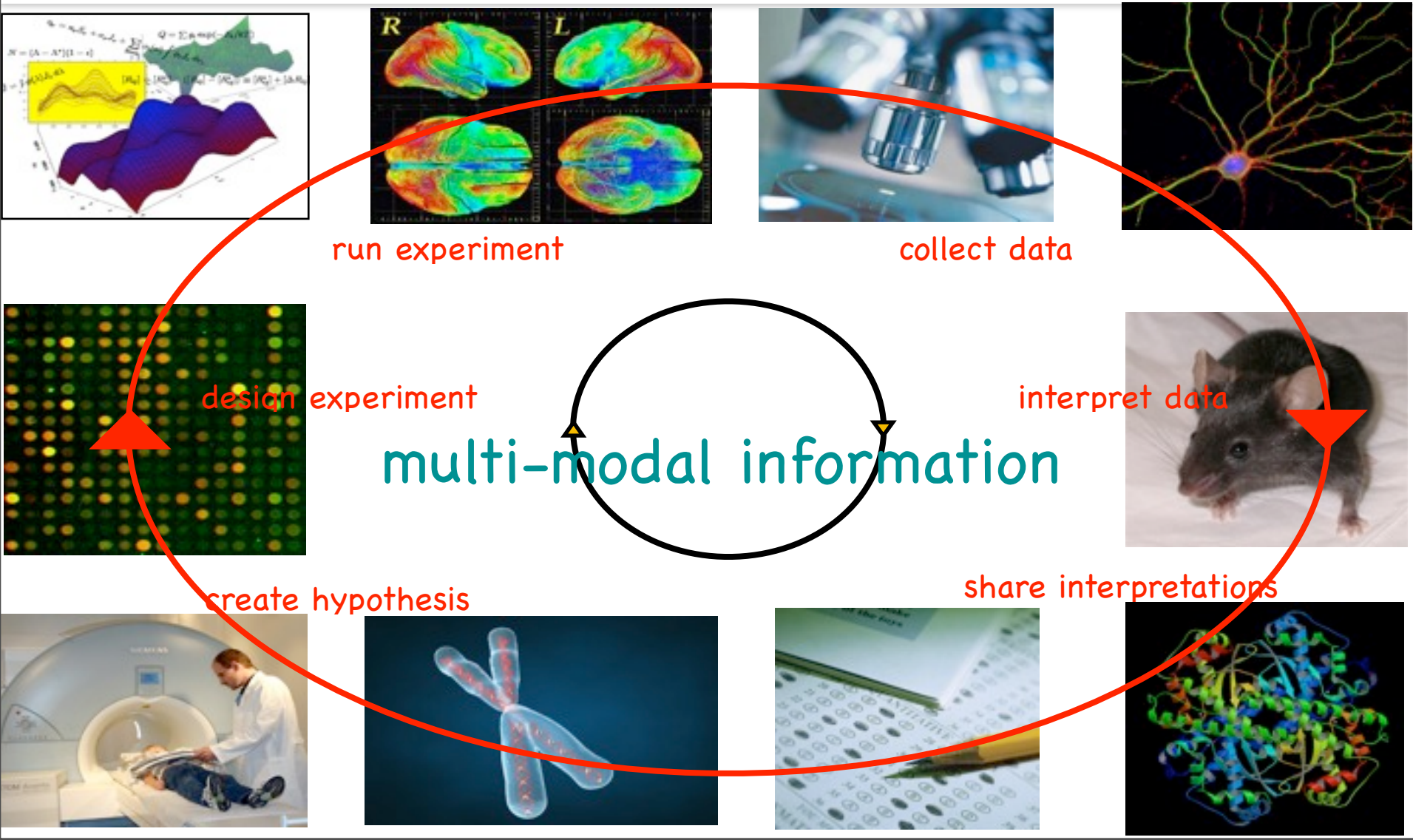
Rhetorical Document Issues

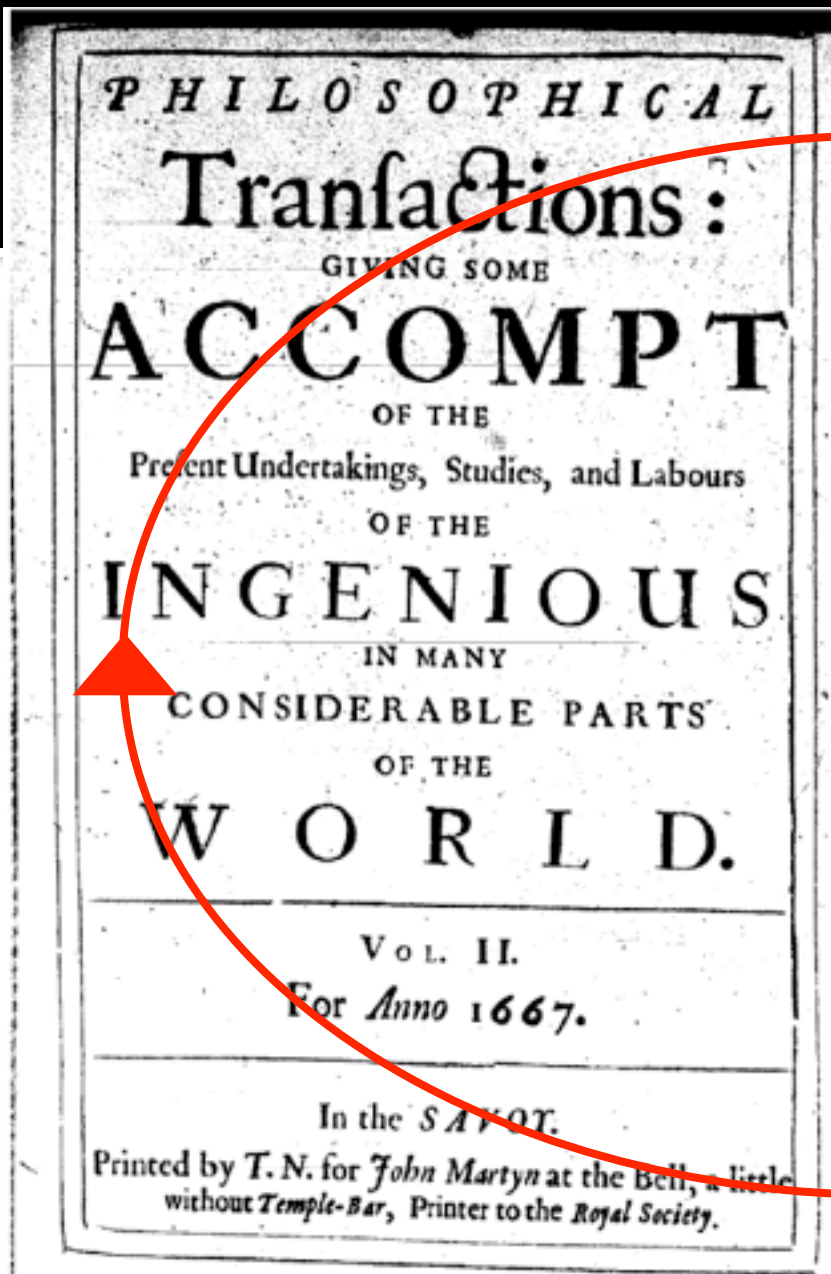
- Should we merge ORB & DRO?
 - we currently have Acronym Soup!
 - shall we put in blender & press “puree”?
- Can DoCo support multiple publisher DTDs ?
 - intersection across key categories
 - only represent in RDF what needs to be addressed outside the document
- Can we align DoCO on the Utopia use case?
 - Utopia call w/Steve Pettifer in the new year

A possible Mid-grain alignment



DExI: Data, Experiment, and Interpretation





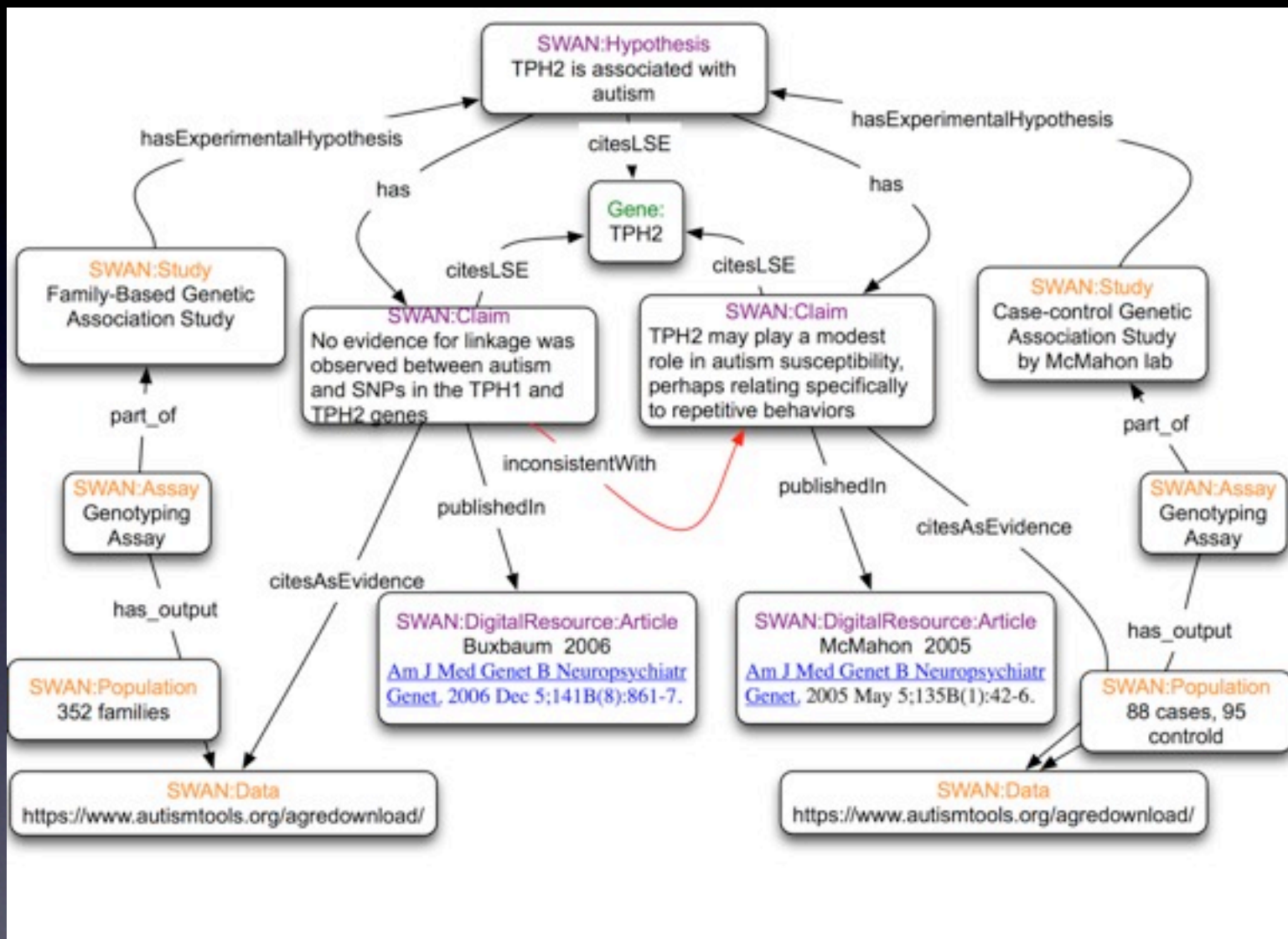
Scientific Publishing

and

Discourse Networks

DExI: Data, Experiment, and Interpretation

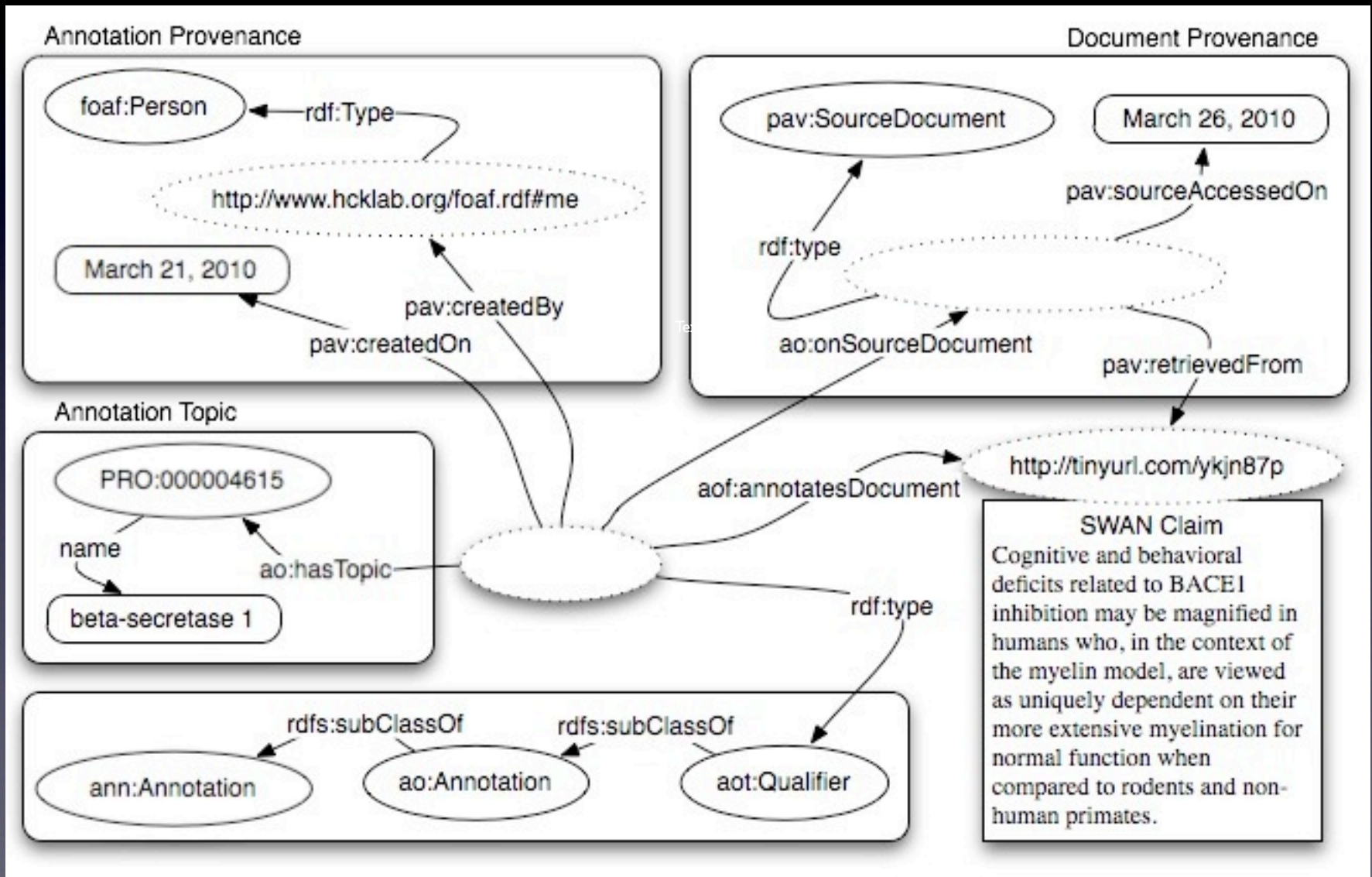
- DExI
 - application view of OBI (data), myExperiment (experiment), and SWAN (interpretation)
 - collaboration with BioRDF task (Scott Marshall)
 - integration with ISA-TAB (Philippe Roca-Serra)
 - integration with ORB / DRO (Jodi Schneider)
 - integration with KeFeD (Gully Burns)
- Open Issues
 - Interoperability tasks, demo, SIG Note, ...



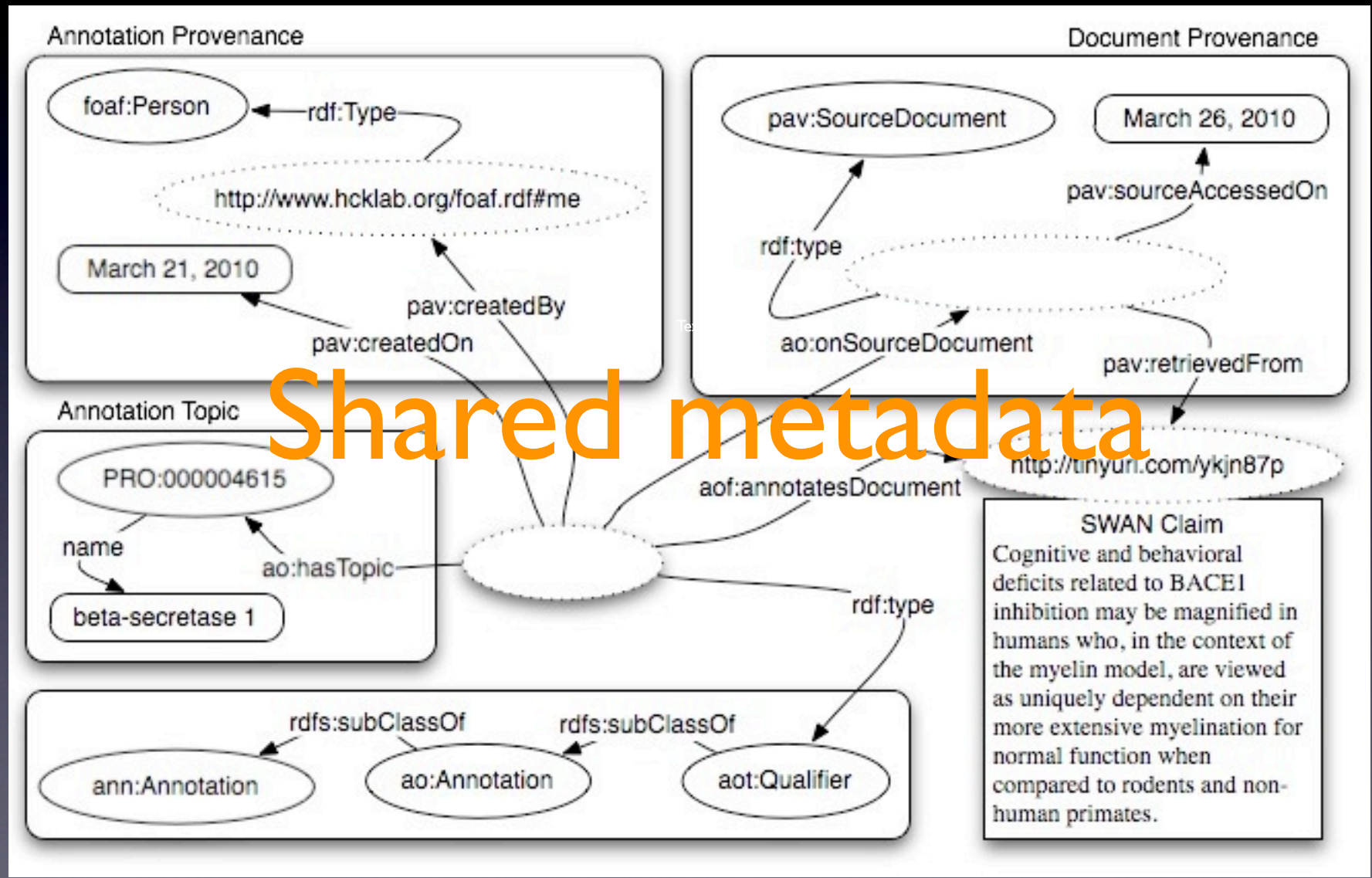
Bibliographic Information

- CiTO + SWAN (Shotton, Ciccarese, et al.)
 - FRBR-based bibliographic & citation ontologies
 - integration task complete
 - paper in revision for JBS
 - part of both the SWAN and SPAR ontology suites
- Open Issues
 - complete paper revision
 - SIG Note for 2011

Annotation of Web Documents



Annotation of Web Documents



Annotation of Web Documents

- Annotation Ontology (AO)
 - presented at Bio Ontologies 2010
 - on Google Code: <http://code.google.com/p/annotation-ontology/>
 - multiple contributors from multiple groups
 - orthogonal to all biomedical domain ontologies
- Open Issues
 - journal paper (now in revision)
 - W3C SIG Note (need editors: volunteers?)
 - PDF Interoperability (test w/Utopia in January '11)

Scientific Article of the Future

- “SCARF”
 - Proposed interoperability demo across all these technologies and ontologies
- Two interop projects which may feed into it
 - ISA-TAB w/ Drupal 7, via DeXI
 - SWAN Annotation Framework w/ Utopia, via AO
- Open Issues
 - everything else :-)

Conclusion

- We have done a lot of very solid work on this task group in 2010,
- Thanks to the devoted efforts of many excellent people.
- Happy Holidays one and all!
- See you in the New Year!!