

Integrating Scientific Discourse, Terminology, and BioRDF Task Results 2009-2010 Roadmap

DRAFT OUTLINE for Discussion

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1 Goals

1.1 Understand the landscape

Develop an understanding of use cases, opportunities and challenges in integrating the outputs of the Scientific Discourse, Terminology, and BioRDF Tasks into a coherent ontological framework.

1.2 Develop goals and roadmap

Develop a set of concrete integration goals and a roadmap to achieve them over the coming year.

2 Scientific Discourse and Terminologies

2.1 Use cases:

semantic annotation of documents and discourse, semantic search within and across communities, systematic support for biologist and clinician-defined lightweight terminologies within discourse, systematic support for complex legacy terminologies within discourse.

2.2 Ontologies:

SWAN, SIOC, SKOS

2.3 Issues:

Ontologies vs. Terminologies: appropriate uses.

2.4 Intersection, mapping and reuse:

SWAN-SIOC + SKOS mapping

2.5 Status:

proposal in SWAN IG Note.

2.6 Methodology Implications:

Lightweight Terminology “bridging” strategy, guidelines for ontologies vs. terminologies in legacy models, clear definitions of use cases.

3 Scientific Discourse and BioRDF

3.1 Ontologies:

SWAN, SIOC, LODD, Pharma, others as used in BioRDF

3.2 Issues:

(1) is there a pattern or template for integration regardless of which specialist ontologies are combined with Sci Discourse?

(2) What is the status of atags? Atags vs research statements? Should they be integrated? Are there separate roles for them?

3.3 Methodology implications:

Discuss.