

# NSF ITR Taxonomic Literature Meeting May9<sup>th</sup> - May11<sup>th</sup> 2005

## **May 9th**

### Morning (10:00 - 12:30):

"What is a Systematics Publication"

– Donat Agosti

TaxonX Design and Discussion

– Terry Catapano & Drew Koning

1. Background & History
  - a. Origins in TEI
  - b. TaxonX – 2001 (DTD – TEI Derived)
  - c. TaxonX – 2005 (XML Schema – utilizing namespaces)
2. Requirements, Purposes & Rationale
  - a. Examination of related TDWG Standards
  - b. Retrospective and Prospective
  - c. Granularity
  - d. Function: Archival, Submission, and/or Dissemination Information Package
3. Testing
  - a. Different parsers and editors
  - b. Test material
  - c. Other?
4. Deployment & Future Maintenance
  - a. Development Path
  - b. Where and by whom will it be looked after
  - c. Getting it accepted by the community
  - d. Feedback and Revision

### Afternoon (13:30 - 16:30):

General Schema – Best Practices and Implementation

– Terry Catapano & Bob Morris

1. Demonstration of marking up sample XML file
2. Markup Issues:
  - a. Document Metadata – MODS
  - b. Structural Markup
  - c. Phrase Level Markup
  - d. Linking and Pointing

## **May 10th**

### Morning (10:00 - 12:30):

Automated XML Markup

– Drew Koning

1. Generic Structure – Discerning Boundaries
2. Phrase Level – NLP
3. Solutions for Moving Forward

Taxonomic Name Extraction | Structural vs. NLP  
Analysis, Storage, and Retrieval of Documents

– Drew Koning & Guido Sautter  
– Guido Sautter

### Afternoon (13:30 - 16:30):

Species Distribution Data | Geographic Location Extraction

Ant Ontology | Moving Forward

Mapping of an Entomology Terminology

– Neil Sarkar

– Neil Sarkar

## **May 11th**

### Morning (10:00 - 12:30):

General Discussion & Close