

## [Semantic Web January 2012](#) [1]

Submitted by superadmin on Wed, 2012-04-25 22:48 Tuesday, January 24, 2012 - 16:00

**Session Type:** [Business Meeting](#) [2]

**Collaboration Area:** [Discovery](#) [3]

[Semantic Web](#) [4]

**Abstract/Agenda:**

- New Telecon Time Discussion
- Updates on working activities
- Discuss/review outcomes of Winter Meeting
  - ESIP Network progress
  - Eric/Tom - ESIP AGU project
- New activities for 2012 from Winter ESIP meeting
  - Chris - tools/dataset project
  - Chris will work on EarthCube white paper
  - data types/service ontologies needs to be revisited
  - James Gallagher has a possible use of semantics with Opendap.
    - Chris - could you use RDF and Opendap to create a integrated visualization from opendap servers

- Other items

**Notes:**

- Peter would like to move the telecons to 4pm due to teaching conflict
- New Telecon Time
  - everyone on the telecon was ok with the new time
  - Chris mentioned that we need to verify that Peter can be online by 4pm. 4:15 might be better to allow time to leave his class
- ESSI-LOD
- Current Activities
  - Tom and Eric met with AGU CIO who is very receptive to linked data idea
  - AGU CIO is currently exploring setting up AGU triplestore and serving their linked data
  - Tom/Eric would be given access to AGU triplestore as well as AGU website to maintain/promote this project
  - AGU still hesitant about releasing data until after meetings have occurred - they will provide data for all past AGU meetings in a more usable XML format (as opposed to HTML) - Eric/Tom will convert to RDF, but no data will be released prior to an AGU meeting due to AGU concerns over syncing/data quality issues
  - working with Erin to integrate more ESIP data - clusters and cluster members/chairs
  - exploring Google Refine as a possible tool for addressing people/organization ambiguities
- New Activities
  - Chris gave overview of [ToolMatch](#) [5], an effort to use ontologies and linked data to match tools and services with data.
    - Chris is soliciting help with this effort - sign up on the [wiki](#). [5] or contact him directly
    - The plan is to map out what needs to be done and by whom over the next few months
    - would like to have regular telecons and a meeting at ESIP summer meeting to work on model development
    - Connection to Service Casting were mentioned and it was discussed that the Discovery cluster should be involved
    - Hook - ToolMatch's linked data/ontology approach should be the back end to service casting, an interface of this type could output service casts
  - Chris gave overview of [white paper](#) [6] on semantic web usage in Earth Science
    - would like to get this completed in next few weeks - those who haven't contributed are encouraged to do so soon
    - several usages for this white paper
      - esip information commons
      - earth science data working group
      - submission to earth cube
  - James Gallagher gave overview of how Opendap now supports RDF
    - several use cases where discussed including integrated visualization from multiple opendap servers as well as metadata conversions and casting
    - James will continue discussions with Peter and the cluster to explore future use cases and applications

**Session Leads:**

**Name:** [Peter Fox](#) [7]

**Organization(s):** [Rensselaer Polytechnic Institute](#) [8]

### Notes takers:

**Name:** [Tom Narock](#) [9]

**Organization(s):** [University of Maryland Baltimore County](#) [10]

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[4] <https://commons.esipfed.org/collaboration-area/semantic-web>

[5] <http://wiki.esipfed.org/index.php/ToolMatch>

[6] [http://wiki.esipfed.org/index.php/Applications\\_of\\_Semantic\\_Web\\_for\\_Earth\\_Science](http://wiki.esipfed.org/index.php/Applications_of_Semantic_Web_for_Earth_Science)

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