

Kepler - Bug #2241

{de-}serialize semantic annotations to and from EML

11/02/2005 05:42 PM - Matt Jones

Status:	In Progress	Start date:	11/02/2005
Priority:	Normal	Due date:	
Assignee:	Jing Tao	% Done:	0%
Category:	semantics	Estimated time:	0.00 hour
Target version:	3.X.Y	Spent time:	0.00 hour
Bugzilla-Id:	2241		

Description

EML200DataSource actors can currently be annotated on the canvas with semantic annotations. This essentially marks up the various ports (aka attributes) with terms and expressions from an ontology. We need to be able to serialize these changes into an EML document and put the new document onto the ecoGrid in place of the original, as a new version. Then we need to be able to deserialize the annotation from the EML when the EML is parsed from a new actor so that the annotations show up on the canvas when it is put there.

To do this, we need to decide the serialization syntax for the annotations in EML and decide how this syntax relates to existing semantic information that is already in EML such as the unit information, etc.

History

#1 - 11/02/2005 05:43 PM - Matt Jones

We may also want to consider what information from EML should be exposed as annotations on the EML data source. Much of the EML information (e.g., spatialCoverage, temporalCoverage, taxonomicCoverage, etc) would be necessary to the data integration process.

#2 - 11/03/2005 05:13 PM - Shawn Bowers

I would like to contribute to this discussion/design/code. Another issue concerns "flipping" between different output formats in the EML200 actor, and maintaining the semantic annotations after different output formats are used. This aspect I would also like to contribute to ...

#3 - 03/27/2013 02:19 PM - Redmine Admin

Original Bugzilla ID was 2241