

EML - Bug #2212

Several bug fixes for the eml2nbii.xsl stylesheet (transforming EML metadata to the federal standard, BDP)

09/30/2005 08:42 AM - Inigo Gil

Status:	New	Start date:	09/30/2005
Priority:	Normal	Due date:	
Assignee:	Matt Jones	% Done:	0%
Category:	eml - general bugs	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	2212		
Description			
TARGET: EML 2.1.0			
Several bug fixes improved the stylesheet eml2nbii.xsl. This stylesheet converts EML documents into the federal standard format BDP.			
The stylesheet was delivered to eml-dev, and resides in the LNO CVS.			
Here is a log of the changes/fixes			
* <ul style="list-style-type: none">• There are about 50 issues (some critical metadata loss) solved in this revision. Mostly are<ul style="list-style-type: none">• metadata sections that were not completely mapped from the EML to the BDP standard.• Additionally, there are a few other improvements in the mapping.• This revision, 3000+ lines, previous 1600. *<ul style="list-style-type: none">◦ Itemized list of changes. NOTE, line numbers refer to the previous version (revision 1.21) of "eml2nbii.xsl" *• line 51: Make all possible metadata transformations, that is, set the variable \$show_optional to true (1)• line 141: Loop over all entities in EML; Previously, only dataTable, spatialRaster and spatialVector considered. "view", "storedProcedure" and "otherEntity" added.• hard coded content values changed to english (dataTable to tabular digital data, etc)• line 148: BDP "Sername" (series) contents not mapped. Added EML "series" content, if populated in the EML instance.• line 158: BDP "pubPlace" contents not mapped. Added EML "pubPlace" content when used.• line 161: BDP "publish" contents not mapped. Added EML "publisher" individual and org. name when used.• line 172: BDP "onlink" contents not mapped. Added EML "distribution/online/url" when used.• line 178: Odd hard coded value removed. It is possible that the author meant some action.• line 196: BDP "purpose" contents not mapped. Added EML "purpose"• line 200: BDP "supplinf" contents not mapped. Added EML "additionalInfo"• line 243: Handling multiple single data time elements addressed (for each..), geological Scale / Alternatetimescale, etc. About 300+ lines of code replace about 120 of them• line 333: Currentness element hard coded to "as it was when data was compiled" added• line 330: Comment change• line 335: Added all possible EML maintenance contents to map into BDP's update field. Also, there was a bug in the conditional statement.• line 367: Added bounding altitudes mapping to the geographic coverage mapping (Not considered before)			

- line 369: Added the G-poligon mapping.
- line 539: Added taxonomic keywords, previously forced to NONE.
- line 562: Added the case of optional classification system elements and other taxonomic-related metadata groups (230 lines of code)
- line 607, 620: Access element code group duplicated for use and access constraints elements in BDP. Not quite accurate granularity. Removed duplicate code
- line 607: Access element incomplete, the EML intellectual Rights section is relevant here. Add code.
- line 633: Added EML contact info. Need handle refs.
- line 641: Added in "datacred" (credit) info from EML "associated parties" and "funding" agency.
- line 663: Addition of metadata: Attempting to use section 2 of BDP: Data Quality Info. Some sections from EML methods can be used here. quite a bit of code added
- sections 3 and 4 of BDP skipped for now.
- line 791: Misleading/Obsolete comments refined.
- line 792: Include all EML dataset entities; add storedProcedure, view and otherEntity types.
- line 794: Not sure about the loop logic. Need testing.
- line 886: Textdomain from attribute type nominal or ordinal mapped correctly as is to "unrepresentable domain"
- line 911: Unit type added to BDPs "range domain" from EML's attributes of type interval or ratio.
- line 915: EMLs date time attribute type mapped correctly to unrepresentable domain.
- line 921: THIS MAY NEED A CHANGE. accuracy missing. It is not exactly the precision, but if EMLs attr. precision exists, it is mapped to BDPs attr. accuracy for the sake of preserving metadata.
- line 931: This conditional is out of place: there is no need of a EML physical element to populate this element. All you need is a "publisher" or a "contact". An distribution/online element helps.
- line 936: Distribution element. The distributor should be the publisher. If the publisher is not specified, it could default to the contact. Options included
- line 960: Contact org mapped.
- line 972: Contact person mapped
- line 984: Contact person mapped
- line 1058: Phone mapped better
- line 1072: Fax mapped
- line 1078: Email mapped
- line 1102: In the previous version, the BDP element distribution info is only mapped if the EML physical element is populated. We consider the case where the EML "distribution" exists,
- this opens a new case (lots of code)
- line 1122: Sometimes the "data format " ~~geoterm~~ is placed depending on the entity we have in EML (data table, spatial vector, etc)
- line 1257: Clarification added to the hard coded text.
- line 1338: In practice, both metadata and data have the same publication date (pubDate), therefore pubdate of EML data mapped to pub date of BDP metadata
- line 1351: Try to map the metadataprovider as the metadta creator, otherwise (metadata provider not present in EML) default to the EML contact
- line 1386: add contact organization or contact person name even though we placed already one or the other.
- line 1475: map better the phone
- line 1490: map the fax
- line 1495: most importantly, map the email. *

History

#1 - 03/27/2013 02:19 PM - Redmine Admin

Original Bugzilla ID was 2212