March Documentation Cluster Telecon

Attendees: Erin Robinson, Kelly Monteleone, Mat Cechini, Ed Armstong, Ted Haberman, Aleksander Jelenak, Katie Baynes, Valerie, Walt Baskin, Dan Pilone, and Heather Brown

* Both Ed and Walt had problems editing the wiki due to log in issues. Now able to log into the wiki site with either wiki or common’s username/password – Erin (or support) will let them know when this is fixed.
  + To do items were finished, but were not uploaded

ECHO Additional Attributes and ISO (Ted – slides presented)

* ISO19115 is generic metadata but does not accommodate all applications
  + The important characteristic of ISO is that it includes extensions and standard descriptions of how to create extensions
  + It would be better for places like NASA and NOAA to develop their own conventions to become extensions than to have to adopt new extensions from ISO
* ECHO has 149 structured attributes and 327 additional attributes
  + Name is the unique identifier, data type is the type (string, float, etc)
    - Provides complete information additional attributes
    - Adapt the ECHO model for NASA and ISO
  + There is no non-semantically linked identifier or description of what the attribute is (type)
    - Most common type ‘process version’
    - Each attribute name is unique to each science team or group
  + Do not include the kind of information the additional attributes contains
    - This is need to place the attributes in ISO – need to know what it is
    - Sometimes names give category (ex. Instrument Information)
    - Some have place in ISO and ECHO – want to be put in the right place within the model
    - Other attributes have categories they fit in, but do not fit into the standard
    - Most common additional attribute from ECHO is content type (80 of 327 that are not classified)
* ECHO xml
  + Problem – no attribute type, no identify (only name – not semantic-less id)
  + Difficulty with reuse – separate definition and value – not generalized concept
* Use EOS to id in ISO
  + Add type code from code list
  + Data type should also be a code list
  + Add an identifier – unique code – can be a doi for each additional attribute (object ID that is digital
  + These formalize the approach taken in ECHO
* ISO 19139 encoding rules provide standard ways of referencing objects and pieces of objects
  + Change ECHO to EOS to add additional attributes
  + If start with capital letter – is object – has ID and/or UUID
    - Id is an xml id – it functions in xlinks and xml
    - Uuid is like a doi – function outside of xml -
  + If start with lowercase letter – is a role – has reference to objects which has ID
  + In ISO has role, object, role, object…
* Matt – question – is this a collection or a granule – serving both collection and granule level
* MI\_Acquisition Info – part 19115-2 recommendations
  + NASA has special needs
  + Add addition property types to Platform and Instrument – under Property Type/ Property
* Alek –question – how add sensor data
  + Either reference outside data (citation)
  + Or embed it within the file
* Extension for 19115-2 will occur in about 1 year – NASA needs to develop these not have htem done for them
* Ted is moving to HDF (leaving NOAA) – no negative changes for cluster (only good changes)
* Next meeting April 17 at noon