Audubon Core Maintenance Group working session
2022-11-10 17:00 UTC

Attending. Please add your name, affiliation, and email (optional):
- Steve Baskauf*, Vanderbilt University Heard Libraries, steve.baskauf@vanderbilt.edu
- Kate Webbink, Field Museum of Natural History, Chicago, kwebbink@fieldmuseum.org
- David Fichtmueller, Botanic Garden and Botanical Museum Berlin
- Vijay Barve, Natural History Museum of Los Angeles, vbarve@nhm.org
- Ben Norton, North Carolina Museum of Natural Sciences, ben.norton@naturalsciences.org
- Dan Stowell
- Deborah Paul, University of Illinois, Species File Group, dlpaul@illinois.edu
- Elspeth Haston
- Carlos Martínez, BIOfid, Senckenberg Frankfurt, archilegt@gmail.com
- Jennifer C. Girón, Museum of Texas Tech University, jennifer.giron@ttu.edu
- Doug Boyer Duke University, MorphoSource 3D Data Repository
- Adam Rountrey, LSA Museum of Paleontology, University of Michigan

*= Core member of AC Maintenance Group

Some notes inserted in red. Additional notes at the end of the document.

I. Introduction
    A. What is Audubon Core?
    B. What is the Maintenance Group and how does it work?
II. Review work of past year
    A. Discussion with Machine Observations Interest Group (https://www.tdwg.org/community/mobs/) about alignment between Camtrap DP (https://tdwg.github.io/camtrap-dp/) and Audubon Core. Discussion about sequences of images and the AC Structure document.
        Kate mentioned that issues relating to how to structure complex data values has come up in several groups, and Steve mentioned that the Technical Architecture Group has been discussing this and is hoping to provide some guidance on this in the coming year.
    B. Adoption of sawsdlrdf:modelReference to make links between terms that have the same meaning, but different types (e.g. SKOS Concepts and RDFS classes). Applied in the subtypes controlled vocabulary, will be used in views controlled vocabularies.
    C. Completion of work of Views Controlled Vocabularies Task Group. Currently under public comment: https://github.com/tdwg/ac/issues/245 until at least Dec 7.
        1. Implementation Experience Report submitted to BISS and currently under review https://github.com/tdwg/ac/blob/master/views/implementation_experience_report_submitted_20582.pdf

2. Controlled vocabulary for subjectPart
   https://github.com/tdwg/ac/blob/master/views/code/subjectPart/subjectPart.md
3. Controlled vocabulary for subjectOrientation
   https://github.com/tdwg/ac/blob/master/views/code/subjectOrientation/subjectOrientation.md
4. Ancillary documents (not part of standard)
   a) subjectPart terms organized by organism groups
   b) subjectOrientation terms organized by subject part
   c) translations into Spanish
   d) machine readable serializations (JSON-LD and CSV)
   e) Implementer notes
      https://github.com/tdwg/ac/blob/master/views/views_cv_testing_notes.pdf
5. Additional organism group parts (fungi, ferns, bryophytes, etc.)
   https://github.com/tdwg/ac/tree/master/views/candidate_terms . Need to hammer out definitions and other metadata among interested experts, then test on image sets.
6. Deb - Perhaps useful to search GBIF for used terms; is extension use increasing? Where are users putting information to document the content of the image? This would be a great idea if someone can figure out how to pull the relevant information from GBIF. Ben noted that the older media extension was deprecated, so people should be using the newer one now. Deb also said it would be interesting to check fields like dynamicProperties to see what people are using now to describe their images.
   Steve - we have an open issue about updating the IPT extension with changes that have been made in the last several years.

D. J.J. Audubon legacy of slavery and change working name to Audiovisual Core (slang: "ah-vee core")
   1. Retain "AC" branding and ac: namespace.
   2. To be rolled out.
   3. Rename Audubon Core to Audio-visual Core - how to approach the name change. Need an explanation in a prominent place

III. Work for the coming year/open issues
   A. Issue 246 https://github.com/tdwg/ac/issues/246 Controlled vocabulary for content description
      1. Spinoff of View TG work: how to designate labels? But also scale bar, color bar, spoken description, context (e.g. habitat), and organism part (indicates subjectPart/subjectOrientation appropriate).
      2. IRI values for Iptc4xmpExt:CVterm property
         https://ac.tdwg.org/termlist/#Iptc4xmpExt_CVterm may require Usage revisions

3. controlled strings for ac:tag https://ac.tdwg.org/termlist/#ac_tag ? possibly dcterms:description? a new term (ac:cVtermLiteral or ac:CVtermLiteral)?

4. low hanging fruit, high impact

5. The consensus was that ac:CVtermLiteral should be minted. It follows the pattern for local names and would be the least confusing. ac:tag could continue to be used for uncontrolled strings.

B. Updating the structure document Noted but not discussed.

1. See also discussions of the Technical Architecture Group: https://github.com/tdwg/tag/blob/master/complex_values/existing_precedents.md https://github.com/tdwg/tag/blob/master/complex_values/use_cases.md

C. 3D Task Group wrap-up

1. Three categories of terms

2. Focusing on terms for basic discoverability according to file type - format

3. Voxel / other info not indicated by format

4. How is color encoded in file

5. Stuck on how to put together the implementation experience report

6. Committee composed of people at different institutions with experience generating and archiving 3D data. It could be beneficial to have additional people looking at it

7. A lot of the terms are already in a public repository (Morphosource)

8. Not available terms on Dublin Core type vocabulary to document 3D data. An option would be datacite.org [resource type general does not have a 3D category- get assigned to different categories]- datacite.org offered to consider.

9. [SB] Perhaps generating a dataType within AC for 3D resources would be helpful to support requests to datacite and other repositories. [DB supports]. This can be handled as a separate priority addition.

D. Other issues https://github.com/tdwg/ac/issues see also "Goals for the coming year" in https://github.com/tdwg/ac/blob/master/historical/2022-02-02-meeting-notes.pdf

IV. Action items:

A. Investigate what kind of data we can get from GBIF to find out usage of the AC extension and what kinds of values are people already using for subjectPart and subjectOrientation (or in other ways describing their images).

B. Check on the status of issue 233 (Does the Audubon Core IPT extension need to be updated?) https://github.com/tdwg/ac/issues/233

C. Move forward on the name change to Audiovisual Core. Early step: write an explanation of why we are making the change.

D. Revise Issue 246 to use ac:CVtermLiteral instead of ac:tag.

E. Mint ac:Digital3dResource and propose that DataCite include it in their controlled vocabulary. See issue 243 for definition.

Notes/Questions from 10-Nov-2022::

- re:View group, have we looked for which vocabs are currently in use by different groups? [DP]
    - To do [SB]
    - Other brief media extension (is deprecated [BN]) – didn't include views/more detailed data, and may have been more commonly used in earlier datasets

- Usage stats for extensions! [BN / DP]
- New vocabs are available in other languages, too [JG]

- Re:where to put strings that correspond to a CVterm IRI?
    - DB - related to https://github.com/tdwg/dwc/issues/32 / dwc:verbatimLabel?
        - SB - purpose differs slightly, but should be related.
    - DF - leaning towards "ac:CVtermLiteral" to adhere to convention
        - SB - seems simplest / more appropriate than ac:tag
    - BN - Is a label a class in this case which would require an array?
        - SB - it can be an array of regions of interest – & each ROI would have properties to describe 'what is it'/'where is it'

- re:3D terms:
    - Versioning in datacite?
        - Can be set or not by user [DF]

- DF - How have you communicated with datacite group [DF]
    - Contacted Kelly Stathis on datacite panel [AR]
    - https://github.com/datacite/schema/issues – seems useful to suggest new term for them to add [DF]
    - Propose adding term as needed ("Digital3dResource"?) in AC issue tracker [SB]