

Audubon Core Maintenance Group  
Online meeting  
2020-05-20 11:00 UTC

## Meeting notes:

Participating: Steve Baskauf, Rebecca Snyder, Eliot Miller, Kate Webbink, Dan Stowell, Ed Baker, Niels Klazenga, Matthew Medler, Doug Boyer

Regrets:

Notes taken during the meeting are in red.

### I. Progress reports

#### A. 3D Task Group

1. They have had a couple of meetings recently and are making progress on developing the enhancement. Because 3D data are complex, they need several controlled vocabularies that describe the technology that created the image. Works better as a hierarchical list. They want to establish captureModality term. resourceType doesn't overlap with modality one-to-one, also not one-to-one with file type. They need another hierarchy there as well. They need to connect associated files. But that opens a large number of other issues. It might be better to have a controlled vocabulary for texture files. Other terms came up for how they are doing the modelling. Knowing that raw and derived objects should not be packaged together is important information to impart. Steve: consider creating an Implementation Experience Guide to accompany 3D recommendation.

#### B. Views Task Group

1. We saw a functioning implementation run by John Oswald and are currently discussing the level of granularity is appropriate for the controlled vocabulary.

### II. Terms related to sound

- A. <https://tdwg.github.io/ac/guide/#4-motivation-and-rationale>
- B. EBUCore (potential "standard" related to audio files (see notes from last meeting))
- C. Check out new IIIF extensions to see how they are handling extent across media types (not done yet, Steve will try to do sometime)
- D. Potential Sound Archives to Contact. Name in parentheses will make the contact.
  1. ~~Colección de Sonidos Ambientales, Instituto Alexander von Humboldt~~  
Contact: Orlando Acevedo Charry (Matt can contact)
  2. ~~Fonoteca Neotropical Jacques Vielliard, UNICAMP~~  
Contact: Simone Dena (Matt can contact)
  3. ~~Borror Laboratory of Bioacoustics, The Ohio State University (Steve)~~
  4. ~~Florida Museum of Natural History (Steve)~~

5. ~~Wildlife and Environmental Sounds, The British Library (Ed)~~
6. ~~Tierstimmenarchiv, Museum für naturkunde (Ed)~~
7. ~~Australian National Wildlife Collection, CSIRO (Margaret)~~
8. Matt will load ML's
9. ~~Rebecca will check with NMNH's Anth and Archival groups~~
10. Xeno-canto (Ed)

E. Crosswalk spreadsheet

1. Copied and pasted (or typed) fields from field lists or database screenshots documented in the Google Drive folder. Refer to originals for details and definitions.
2. Started with Ed's mapping of Bioacoustica and tried to insert terms where they matched other fields or at least put them in the same category.
3. Questions/comments from previous meeting:
  - a) What are the use cases we hope to accomplish with these terms?
    - (1) Allow consumer to determine fitness of use without downloading the resource
    - (2) Facilitate harvesting by aggregators
  - b) Which terms are idiosyncratic to a particular database and which are core terms that would facilitate interoperability?
  - c) How do we handle original sources/derived digitizations, etc? How much do we care about the originals if not accessible?

F. Path from here?

1. **Borrow existing TDWG terms into AC.**
  - a) We highlighted fields that seemed to be in common use. Many can or are already borrowed from Darwin Core.
  - b) We could borrow DwC terms like number of individuals, which have the same meaning but a different context. The difference would be known by the subject's class.
  - c) *Develop a proposal.*
2. The low-hanging fruit would be to **add sound-related terms that are obviously needed.** *Develop a proposal.*
3. Do we need a **task group**? If so, *write a charter.*
  - a) Which terms are "mature" enough to go into use immediately (vs. ones that would need testing)? E.g. segmentation terms
  - b) Some terms or sets of terms that need development and testing could be worked out by a task group, for example, delineating audio segments.
  - c) We should try to keep work among task groups aligned so that we don't have different terms proposed for concepts that are essentially the same (e.g. segment metadata for video and sound).
  - d) Kate says she is tracking what the Collections Description group is doing and will try to keep us aligned with their work.

- G. Rebecca: Anthropology isn't used to providing structured data in the same way as biodiversity people. They have about five fields that researchers would search on. Geographic location, language, creator (specific researcher, less the technician, cultural group, topical focus). Traditional knowledge (legal rights, ethical documentation). Natural History museums need to be able to describe and share all disciplines using a consistent set of standards, so they can effectively manage their collections as a whole. Similar to Collections Description discussion about being flexible enough to accommodate non-bio collections (anthropology, geosciences, etc).
  - H. Kate: Field Museum similar situation. Collections Descriptions group is also dealing with this (geology, too). If tools are flexible, we can facilitate co-curation (fuzzy line between biological and anthropological and ethnographic)
    - 1. <https://github.com/tdwg/cd/issues/71> "culturalAffiliation" term in CD
    - 2. Traditional Knowledge / Biocultural labels - <https://localcontexts.org/project/biocultural-community-protocols-toolkit/>
  - I. Doug. How do we manage things that have cultural affiliations. We want to do a better job in describing media. Cultural information is added at the level of the object or observation.
  - J. Niels. A lot of this information is on herbarium sheets.
  - K. Put an issue in the TAG tracker. (done on 2020-05-31: <https://github.com/tdwg/tag/issues/28>)
  - L. Dan and Ed are involved in a bioacoustics group for segmentation. There are only a handful of terms and their work may form a basis for future terms. Their paper will summarize it.
  - M. Steve: create sound best practices document to accompany AC sound terms
  - N. Discussion about "adoption" of DwC and other standards fields within AC
  - O. Ed and Dan to take crosswalk doc and refine it. Perhaps coordinating with a few additional sound experts
- III. **Next meeting date:** Wednesday, June 10 at 11:00 UTC to look at refinement of crosswalk document.