

Audubon Core Maintenance Group
Online meeting
2020-06-10 11:00 UTC

Meeting notes:

Participating: Steve Baskauf, Tom Crane, Rebecca Snyder, Dan Stowell, Niels Klazenga, Doug Boyer, Kate Webbink, Ed Baker
Regrets: Bob Morris

Notes taken during the meeting are in red.

- I. Progress reports
 - A. 3D Task Group
 1. Has been working on terms, 3 will have controlled vocabularies (two with hierarchical ontologies using SKOS). Have been talking about the structure of those vocabs, including hierarchies for some of them with Steve. There was a conference last week. Gary Motz hosted IU Digital Data conference. Boyer led a session on how to leverage material from various stakeholders. Call for comment on AC 3D extension at the IU Digital Data conference.
 2. Boyer's intro talk (provides overview of 3D task group plan: https://duke.zoom.us/rec/share/75NFKvLa_2VIT6f070zQe64sLKHeaaa81HUerqElzU66HeTV-J7fx4HaM0z5I31i?startTime=1591236108000)
 3. Working ontologies: <https://bit.ly/AC-ontology>
 - B. Views Task Group
 1. Nothing new to add
- II. Previous discussion on anthropological terms: see responses to TAG issue <https://github.com/tdwg/tag/issues/28> There is definite interest, but leadership??? RS: The larger question is a larger TDWG issue, but accommodating certain cultural elements that directly relate to biodiversity collections are def within AC scope. Ex: Local names and uses of plants (see notes at bottom of terms mapping word doc)
- III. Terms related to sound
 - A. Audubon Core motivation: <https://tdwg.github.io/ac/guide/#4-motivation-and-rationale> 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. Crosswalk spreadsheet (derived from database fields survey, see Google drive folder) <https://docs.google.com/spreadsheets/d/16inazh5y9Pnp0zstR36y0hkdbUWwqrvJw1rwpOf5HQ/edit?usp=sharing>

- C. Term mappings document (derived from crosswalk spreadsheet)
https://docs.google.com/document/d/1YGQDkgQNx99Ok_uqNFP677RcjAfDo4tPLWx6_oshSsw/edit?usp=sharing
1. Some commonly used terms are already minted by/borrowed into AC.
 2. Some terms are already in Darwin/Dublin Core and could be borrowed.
 3. Need to mint or borrow some sound-specific terms.
- D. Comments on the Darwin Core Event class (Steve) see
<https://dwc.tdwg.org/terms/#event>
- E. Dan Stowell: report on audio event sequences/segments
1. See summary document at:
https://github.com/tdwg/ac/blob/master/sound/bioacoustic_segment_vocabs.pdf
 2. Notes:
 - a) Proposed “freq_low” and “freq_high” terms. These refer to the phenomenon being annotated, and *not* to the recording medium. There was a question about the use case for these fields: Ed Baker gave the example of sounds such as insects which may have indistinct beginning/end but clearer frequency limits, so that it can facilitate e.g. confirmation of taxon labels. Also questions about how these data are generated: typically manually and not automated, which could pose difficulties for data providers. If optional, less of an issue but something to consider.
- F. IIIF model for describing audio segments
1. Background:
 - a) Shared Canvas data model: <https://iiif.io/model/shared-canvas/1.0/>
 - b) Web Annotation Data Model fragment selector (see Example 20 for video segment time values)
<https://www.w3.org/TR/annotation-model/#fragment-selector>
 - c) IIIF Presentation API 3.0 <https://iiif.io/api/presentation/3.0/>
 - d) Notes on navDate and duration descriptive properties
<https://docs.google.com/document/d/1u3icIYAdVDjfO5ZvSgDyT0XwU0PYwWhyS0AzYcN3CVs/edit?usp=sharing>
 2. Tom Crane (IIIF A/V Technical Specification Group) comments

Of interest, shared with permission: [VAINT](#) meets IIIF

https://docs.google.com/document/d/1vsRJPA7B4EfPh1JCpJHYIuC23w0ClvS3L5mr_7fBc7Y/edit

1 hr Webinar on IIIF (including AV -

<https://www.dropbox.com/s/h0pey1t8nrwa5jj/fttiif2019.mp4?dl=0>)

A simple IIIF manifest with audio:

<https://preview.iiif.io/cookbook/master/recipe/0002-mvm-audio/>

IIIF Ranges for structure:

https://preview.iiif.io/cookbook/0026_0064_0065-opera-recipes/recipe/0026-toc-opera/ Discussion about structure of the canvas concept. Originally image based with Width and Height. Added Time Duration as a dimension to accommodate sound. Proposal to add Depth to accommodate 3D content is under discussion (DB and RS vote yes!)

W3C Annotations as transcripts (links in article)

<https://textav.gitbook.io/textav-event-2018/unconference-projects/iiif-parliamentary-debates>

(Note targeting of Canvas:

<https://tomcrane.github.io/bbctextav/iiif/ID191002001-transcript.json>)

seeAlso property is for linking a Presentation resource (Manifest, Canvas, Range) with machine-readable external data:

<https://iiif.io/api/presentation/3.0/#seealso>

Example of a group working on integration with descriptive metadata:

<https://iiif.io/community/groups/maps/>

Design Patterns for IIIF: https://iiif.io/api/annex/notes/design_patterns/

Advantage of Web Annotations approach is that some people/groups in TDWG are already familiar with it and receptive to its use.

Notes: of interest to [Resource Relationship Extension](#) users? (a bit outside Audubon Core, but within DwC -- e.g. GloBI + Terrestrial Parasite Tracker -- <https://www.globalbioticinteractions.org/parasitetracker>)

Semantically Linking Specimens and Images,

<https://biss.pensoft.net/article/35343/> (abstract of Roger Hyam's talk about IIIF at Biodiversity_Next). Nelson Rios at Yale is also working with IIIF.

G. Discussion about next steps

1. Highly likely that we need a guide for sound metadata producers/consumers
2. Options:
 - a) Mint/borrow terms only. **We can probably do more than that.**
 - b) Adopt terms+something like application profile with testing ("coordinated addition")
 - c) Full task group with charter. **probably not; keep it simple.**
3. Discussion

IV. Next meeting date: **Wed. July 1 at 12:00 UTC**. Ed and Dan will try to have a draft proposal for us to discuss.