

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/1u3iclYAdVDjfO5ZvSgDyT0XwU0PYwWhyS0AzYcN3CVs/edit?usp=sharing>
 2. Tom Crane (IIIF A/V Technical Specification Group) comments

Of interest, shared with permission: [VAINT](https://docs.google.com/document/d/1vsRJPA7B4EfPn1JCpJHYluC23w0ClvS3L5mr_7fBc7Y/edit) meets IIIF
https://docs.google.com/document/d/1vsRJPA7B4EfPn1JCpJHYluC23w0ClvS3L5mr_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.**