Audubon Core Maintenance Group
Online meeting
2021-01-13 20:00 UTC

Meeting notes:

Participating: Steve Baskauf, Richard Pyle, Dan Stowell, Niels Klazenga, Ed Baker, Kate
Webbink, Vijay Barve
Regrets: Doug Boyer, Margaret Cawsey, Rebecca Snyder, Rob Whitton

Notes taken during the meeting are in red.

I. Notes from the Annual Meeting meeting are at
https://github.com/tdwg/ac/blob/master/historical/2020-09-21-annual-meeting-notes.pdf
II. Housekeeping issues: add hyperlinks to controlled vocabularies in the term comments
for terms using them (suggested text at #183), update erroneous DwC term metadata for
dwc:georeferenceSources. (#184). I don't think any public comment nor notification is
required per the Vocabulary Maintenance Spec and our policy
https://github.com/tdwg/ac/blob/master/policies.md#21-versioning-of-terms-borrowed-fro
m-other-vocabularies . No objections, so Steve will make this happen.
III. 3D Task Group report (if any) -- No report (not present)
IV. Views Task Group report from Steve
    A. Working on a test set of *Drosophila* images to try to develop workable subjectPart
       and subjectOrientation values.
    B. Meeting next week.
V. Still images
    A. ~~Best-practices guide~~ User guide. Needs a champion.
       https://data-blog.gbif.org/post/gbif-multimedia/ was mentioned as a starting point.
       If there is someone willing to take it on, existing best practices could just be
       documented and brought back to the group for approval. Perhaps better framed
       as "examples" or use cases. Collections descriptions group looked at different
       core user types (here -
       https://github.com/tdwg/cd/tree/master/reference/use_cases) before going into
       the data usage. Publishing is just one of the possible user types (what is a
       complete record?). Fitness of use is another (comes from the annotation layer, in
       the sense of segmentation -- people want to know what's in a media item in order
       to know whether it's useful for them or not). We could simplify the task by
       starting with collections-based records examples, since that seems to be the
       primary use case where there is demand for guidance. Other use cases (live
       organisms, for example) could be added later.
    B. Patricia Cabrera asked at the annual meeting about defining a specific segment
       of a media item (ROI pixel position). This again points in the direction of
       annotations. Annotations came up repeatedly. See later notes.

VI. Sound
   A. Individual terms were approved and now included in AC
   B. ~~Best-practices guide~~ User guide
      (from last meeting) Perhaps separate proposals for sound best practices from annotations since annotations are likely to cross over to non-multimedia areas (e.g. machine observations group) and we don't want things to stall. Annotated examples.
   C. Do we have the stomach/bandwidth to to provide leadership input into the Annotations Interest Group?. See also Issue #150 (comment date), which is blocked by this. Dan & Steve willing to maintain liaison with Annotations IG

VII. Video
   A. What are the desired outputs?
      1. If useful for documenting the environmental measurements-side, Humboldt core info - https://github.com/tdwg/hc
   B. What can we accomplish in a specified time frame (i.e. 1 year)? We did not attempt to answer this since the scope isn't yet well-defined.
   C. Way forward possibilities:
      1. Charter a Task Group Things are not well-defined enough for this.
      2. Follow the Sound model (look for missing terms and adopt, develop best practices guide based on …). Feasible if this group isn't doing too much. Since sound and still image work probably won't require a lot of discussion during the meeting, we can for now just discuss video issues as part of the regular MG meetings.
      3. Re:360-video -- possibly see https://cs3dp.org (DS: I'm not clear on why you consider 360 video to be "3D". Unless you're measuring visual depth, there are still only two coordinates in the image, and just as with a conventional 2D photo there's only an implicit connection between a given pixel and a 3D spatial location. .... Therefore I (naively) suggest handling 360 as a special case of 2D image/video, not as something to pass to the 3D task group. RP response: 360 video is only "3D" in the sense of being omnidirectional. This only comes into play for describing coordinates of segments, really. There are existing solutions to that, but not sure if they are "standard" and/or accomodated by AC. The "real" 3D realm of video is in the form of stereoscopic video used both as stationary survey tools and diver-carried stereo video cameras used for photogrammetry analysis of organism size classes.

VIII. What is an annotation?
   A. This was discussed briefly. There was a feeling that the sort of annotations of interest to this group are more of a narrow subset we've been calling "segmentation". So going off on a tangent of full annotations is probably out of scope, although the approach we take for describing segments of video/audio/still images should fit with the broader approach TDWG might take with annotations. We should take another look at how IIIF operates in this space.

IX.   Next meeting date: February 17 20:00 UTC. Ed and Kate were going to create some material on the GitHub site to capture records in the wild. Rich is going to try to map database fields for some of his media items to AC terms.

From the chat:
Dan: In my opinion, I'd start the sound/image/video user/examples documents as separate markdown documents --- to prevent them being too unwieldy to read/edit

Vijay: New source of images to watch out https://www.mdpi.com/1424-8220/21/2/343/html