

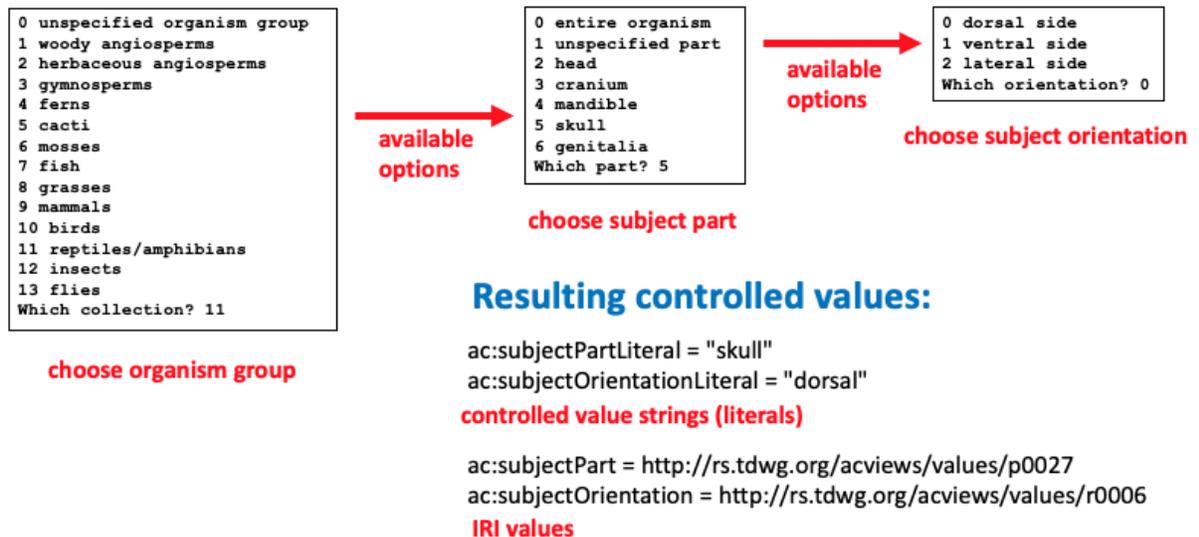
Attending: Steve Baskauf, Matthew Nielsen, Donat Agosti, Rich Pyle, Neil Cobb, Marcus Guidoti, Torsten Dikow
Regrets:

Meeting notes:

A recording of the meeting is available at <https://youtu.be/vHflmbbkuxl>

Notes added during the meeting and from the chat are in red.

- I. Talk last Friday by Tanya Berger-Wolf on AI for wildlife ID
<https://engineering.vanderbilt.edu/news/2021/data-science-institute-hosts-ai-for-conservation-expert-in-virtual-event-on-march-19/> (Wildbook project to ID whales, sharks, zebras, giraffes, etc.) Does anyone know her? Do we still want to open the AI can of worms? **It is worth talking to her, but we should move forward on our current path and not get distracted by AI-related questions.**
- II. Draft JSON representations are up
 - A. Usable in <https://github.com/tdwg/ac/tree/master/views/code> directory: subjectOrientation.json, subjectPart.json, and views_collections.json.
 - B. Example application
https://github.com/tdwg/ac/blob/master/views/code/choose_view.ipynb



- C. Demo by Steve (see diagram above). Needs some tweaks (namespaces, splitting collections)
- D. Eventually will add multilingual labels and definitions.
- E. We need developers to try using them for tasks like:

1. picklist for categorizing images
 2. quality checks for valid values by organism and part
- III. Remaining questions about values
- A. For mammals and herps, is "body" (separate from "whole organism") a thing? Check other vertebrate values **flattened skin, herbarium specimen (lean towards part)**. There was a lot of discussion about this issue. We really are more concerned about functional definitions rather than theoretical ones. An "organism group" is really more about kinds of organisms that share the same parts and less about taxonomy. "subjectParts" that have the same possible orientations can be considered the same "part" even if they technically are different: for example, a skin that is wrapped around a stick and has all of the same orientations as a whole organism should probably just be called a whole organism even though technically it's only part of the organism.
 - B. "placeholders" for other groups (like grasses, ferns, etc. currently) **People were OK with this, I guess.**
 - C. Add male/female genitalia **Didn't discuss.**
 - D. perhaps a 'part of' term (?). **Didn't discuss.**
 - E. Antero-lateral/ oblique view? [see [Plate9_Heads.jpg](#) and [C_auricephalus_TTU-Z_219296-obl-ed.tif](#)]. What do we call this??? **Not discussed**
 - F. What to do when orientation is uncertain from the image? Clarify definition of "unspecified orientation" -- is that a placeholder for images whose orientation has yet to be determined? Is it different from "we can't tell what the orientation is", which might be different from "the orientation doesn't fall into one of our standard categories"? Whatever these categories are, they should probably be added to every part collection. **Not discussed.**
 - G. We need ontology definitions for all controlled values. **Not discussed**
- IV. Status of Zenodo metadata custom keywords
1. Experiment with uploading to API:
https://github.com/HeardLibrary/linked-data/blob/master/publications/zenodo/zenodo_api.ipynb <https://sandbox.zenodo.org/record/750176>
 2. Issues with status of ac:subjectOrientationLiteral and availability of AC terms in Zenodo. **Need to advance term addition proposal to public comment (chicken and egg).**
 3. Pending "ticket" on Fabricius ant holotypes.
- V. Remaining unresolved tasks
- A. Timeline for completing by TDWG 2021 (virtual, October 18-22) or at least getting to public comment. **We should try to meet this goal.**
 - B. Values cleanup (item III)
 - C. Review Candidate Requirements
(<https://github.com/tdwg/ac/blob/master/views/candidate-requirements.md>) to determine which are satisfied, which are not satisfied but should be, and which

should be deleted because they can't/won't be satisfied. Generally, we have dealt with the major requirements, but:

1. We have not dealt with developmental stages at all. There was significant discussion about this. One approach is to define "organism" types for larvae as opposed to adult organisms. Steve commented that "JSON is cheap", so there wasn't a reason not to define as many groups as needed. There was some pushback about this because people wanted to keep things simple and avoid the possibility of wasting a lot of "human" time by people having to puzzle over a lot of categories (getting bogged down with too many options). What this is really about is to give people a context-sensitive set of options ("no gills for birds") without being so precise that it's overwhelming. This would probably have to be community-driven.

We really didn't settle this and should probably discuss it more at the next meeting. We did decide that having a specific "fly" group was unnecessary and that they should be folded into general insects.

2. Only partially dealt with sex differences (see III.C.) Didn't get to.
3. Do we want to push off "best practice guides" as a second stage (but with this TG still around)? (chicken and egg again) Didn't get to.

D. Test implementations: Didn't get to

1. Zenodo Fabricius ants
2. Bioimages plant images
- 3.

VI. Communication back to main AC Maintenance Group:

- A. Request moving <https://github.com/tdwg/ac/issues/195> (term addition/revision proposal) to public comment.
- B. Term proposal for designating the status of an image as a label. Do we want to create a proposal ourselves or kick it up to the MG?

VII. Next meeting time: Wednesday, April 21. 15:00 UTC