

Attending: Steve Baskauf, Neil Cobb, Donat Agosti, Jennifer Girón  
Regrets: Matthew Nielsen

### Meeting notes:

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

- I. Notes from last meeting
  - A. 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.
    1. Need to develop testing suite
    2. Get people to test it (implementers)
  - B. Identify test implementations: we need to come up with a set of instructions. Explain how to use with CSV.  
Suggestion: Provide a how-to guide for people who are going to test the terms:
    - How many images (place them in a shared folder?)
    - [Provide template with examples to fill out]
    - Choose terms from CSV files for subjectPart and subjectOrientation and fill out template file
    - Answer a few questions about the exercise
      - How complicated was it to match image to terms
      - Which images caused problems/confusion
      - Do the general terms provided satisfy basic documentation?
      - Do you *need* additional terms?
    1. Zenodo Fabricius ants
    2. Bioimages plant images
    3. iDigBio?
  - C. Think about 3-5 people who could test with different taxonomic focus
    1. Non-insect invertebrates
    2. non-vascular and non-flowering plants
- II. Final requirements (flag as keep or omit) Thinking of a system extensible enough - building a framework to which we can add
  - 1.1 group subject parts by broad categories keep
  - 1.2 link to trait ontologies keep  
General ontology for insects: <http://www.obofoundry.org/ontology/aism.html>  
Terms can be searched at: <https://www.ebi.ac.uk/ols/ontologies/aism>
  - 2.1 associate parts with developmental stages can be discarded -- a DwC term can be used to specify developmental stage
  - 2.2 distinguish among developmental stages can be discarded

- 2.3 associate parts with insect orders **can be discarded**
- 2.4 distinguish between sexes **if multimorphic, have narrower categories of subjectPart (be specific about how to handle it)**
- 3.1 specify multiple parts/infer subparts from larger whole - **region of interest to define a region within larger image - (be specific about how to handle it) - subparts can be inferred from broader hierarchy**
- 3.2 distinguish single and aggregate parts - **can be handled as region of interest - singular vs. plural -- need to think about it**
- 3.3 specify whether whole part is visible **not now -- maybe in future**
- 3.4 distinguish between similar parts (leaf and flower bud) **if anybody cared enough; it could be done for narrower categories**
- 4.1 describe orientations not controlled by photographer - **not now we don't have a system to define angles - pick the best applicable- could be added later**
- 5.1 determine orientations appropriate for parts - **have it with SKOS collections**
- 5.2 group orientations for parts - **have it with SKOS collections**
- 5.3 angles related to particular features - **have it with SKOS collections - leave out subjectOrientations that are not appropriate for part**
- 5.4 labels include part photographed and orientation **in current form, no - we have controlled vocabularies for parts and orientations but not lists of all possible combinations -- a provider could construct it**
- 6.1 provide guidance for images in the field - **we would provide examples of how to use these things, but not best practices themselves -- those need to be developed over time by experience; generated from user experience- recipes -- is out of scope for this group**
- 6.2 guide for positioning specimens - **if we can find documents by others, we could refer to those when they exist - we are not creating those, perhaps to provide a template? - ongoing project for maintenance group**
- 6.3 suggest angles and parts best for identification of certain taxa - **if we can find documents by others, we could refer to those when they exist - we are not creating those, perhaps to provide a template? - ongoing project for maintenance group**

III. Potential test implementers **Plazi / BLR**  
What would be the "indicators" - competency questions

- Is user able to choose "part"

Ability to -- give me all images for "thorax" (and perhaps filter by insect orders)  
Solid foundation that we can build on

IV. Next meeting time: Wednesday, June 16. 15:00 UTC