Georeferencing for Paleo

LISTENING SESSIONS

Wednesday, **January 29, 2020** - 3:00pm to 4:00 pm EST
Thursday, **January 30, 2020** - 10:00am to 11:00 am EST

Hosted by the iDigBio Paleo Digitization Working Group
in preparation for workshop happening April 27-29, 2020

iDigBio
Integrated Digitized Biocollections

Why this workshop? Why these listening sessions?

Goals and Outcomes:

- Increase the quality of aggregated specimen georeference data
  - determine recommendations for paleo collections community on best practices and workflows for generating and sharing this data
- Identify technical barriers to implementing better practices
  - communicating these to standards organizations, aggregators, collection management software solutions, and georeferencing software tools
- Develop strategies to support adoption of better practices
  - "toolkit" to share recommendations on best practices and workflows determined by this workshop
  - gather input from the broader community

Useful Links

iDigBio Paleo Digitization Working Group:
https://www.idigbio.org/wiki/index.php/Paleo_Digitization_Working_Group

Georeferencing for Paleo workshop (April 27-29, 2020):
http://bit.ly/SLC-geo-paleo

TDWG Earth Sciences and Paleobiology Interest Group:
https://github.com/tdwg/esp

Collective notes about challenges and resources for paleo georeferencing:
http://bit.ly/2RUwCMM

Shared general notes for today's listening session:
http://bit.ly/37KSjpj

we want your input!

What are your biggest challenges <u>creating</u> georeference data for your paleo specimens?

A.   How do you deal with non-digitized resources, e.g. paper maps?
  a.   Do you use geo-rectification?
  b.   Do you have paleo locality maps that could be shared on a private network?

B.   What strategies have you found to georeference more efficiently?

C.   Does anyone have any metrics on the time cost of georeferencing?

What are your biggest challenges <u>managing</u> georeference data in your collection's database?

A. Can you georeference from within your collection database?

B. How do you record uncertainty? Do you use uncertainty radii? Polygons?

C. Do you record metadata in Darwin Core fields like dwc:georeferenceBy or dwc:georeferencingProtocol?

What are your biggest challenges <u>sharing</u> georeference data with aggregators like GBIF/iDigBio?

A. How do you deal with privacy issues, e.g. landowner restrictions?

B. What DwC or ADBC terms are you using to share georeference and other related locality data?

C. What terms need better guidelines to improve the quality or usability of data being shared?

What are your biggest challenges <u>using</u> georeference data in your research?

A. Are you aware of any examples of researchers including/excluding data based on georeference metadata?

Where is the community knowledgebase for georeferencing?

A. Where do you go to find help georeferencing help?

B. Where do you share your own georeferencing workflows/best practices?

What do you think is the most important thing to tackle together to improve georeferencing for Paleo?

A.   What ideas do you have for how we could all work together on these topics better?