

Where do we go from here, especially in the development of research tools and training?

Moderator: Erica Clites

Hack-a-thon for applying tools biologists use to paleobiology? some biologists don't understand the implications of time so their tools are not set-up for use by paleontologists; exs.: phylogeny, biogeography, ecology, trait data etc.

- Adaptation of existing programs
- [ePANDDA](#) doing one in Sept.17-20th; east coast? Send email to muhen@gmu.edu if you want to participate
- [EarthLife consortium](#) will do one in early 2018. Send email to muhen@gmu.edu if you want to participate
- Pair a developer with a paleo person

Create an issues page on Github?

Fork off of biology-based code?

Auto-document your API as you develop it with [Swagger](#).

[Doc-a-thon](#): week where you write documentation for code you haven't yet

Making depositing your data not a chore/not something you do at the very end of the process

Incentive data sharing by tracking uses and views

[Hooked](#) book

People are motivated to help others in the community

Data citation papers ([ESA](#) has this, could JP/JVP do this?). Check out Palaeontologia

Electronica fossil calibration model.

Easily create a website to accompany your data and/or code + data

PBDB [ePub](#)

Five-minute tutorials for a simple task--better at building capacity vs. several day workshop

Webinars sometimes too vague/not specific enough

Replicate the results in a recent published paper? Start with input data from published paper?

Kevin has a github page for this purpose

Mauro has a page as well

You tube pages: [PBDB](#), [C4P](#)

<https://github.com/tdwg/dwc-qa>

<https://github.com/tdwg/paleo>

Discussion of the best platform for this topic: may be perceived mental barrier on Github

- Wiki?

- GitHub [pages](#)

Action items:

- 1) Create GitHub page for people to share paleo code; promote this at upcoming meetings. Kevin, William, and Scott will lead the way.
- 2) Approach societies (SVP, PS) ; [Mark D. Uhen](#) will be point person; could promote during fall meetings; could ask the group at this meeting for feedback
 - a) Best practices for handling paleo data of various sorts
 - i) Data in general
 - ii) Museum data repositories
 - iii) Museum physical repositories
 - b) Creation of data journals associated with JVP, JP, etc.?
 - c) Support for repositories?