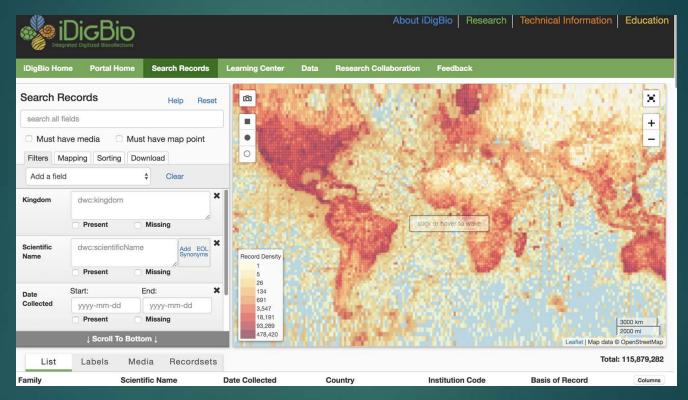
DigIn Broader Impacts

NATURAL HISTORY MUSEUM LOS ANGELES COUNTY

Topics for Discussion

- Existing resources that we can contribute to, tweak for DigIn, or borrow the idea
 - ▶ iDigBio and TCNs
 - Online citizen science
- Things we can do Y1
- Institution-specific things
- General thoughts

Existing Resources idigbio.org/education



- Tutorials and lesson plans for accessing data on iDigBio portal
- Work that other TCNs have produced
- Likely good for longer-term Broader Impacts

EPICC TCN: Virtual Field Experience

A Virtual Field Experience

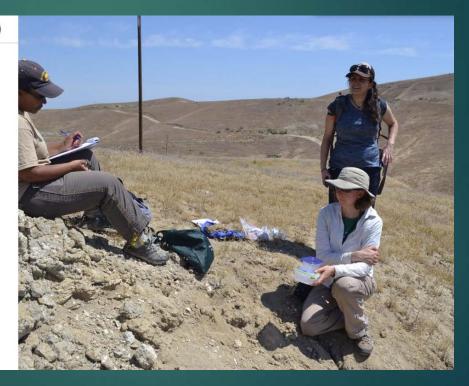




Field to museum

"Field to museum" is one of five modules of a Virtual Fieldwork Experience (VFE) that explores the geology and paleontology of the Kettleman Hills, which sit on the western edge of California's Central Valley. The home page of the VFE, including access to other modules, is here. The VFE is the first in a series focusing on classic paleontological field sites that are part of the Eastern Pacific Invertebrate
Communities of the Cenozoic (EPICC) Project, funded by the National Science Foundation.

This module explores the techniques of <u>paleontologists</u> and geologists, like those who reconstructed the history of the Kettleman Hills.



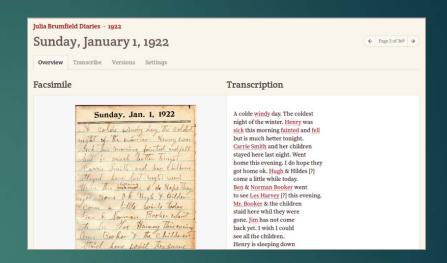
Plus interactive maps (via arcgis.com), videos, lessons, etc.

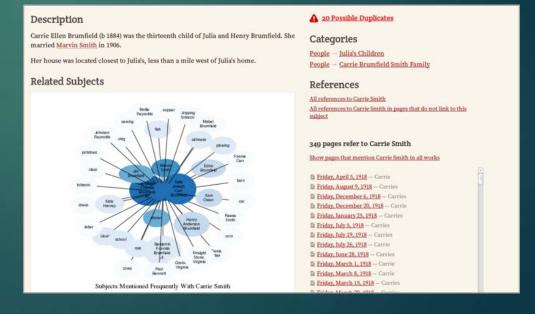
BLUE: Biodiversity Literacy in Undergraduate Education

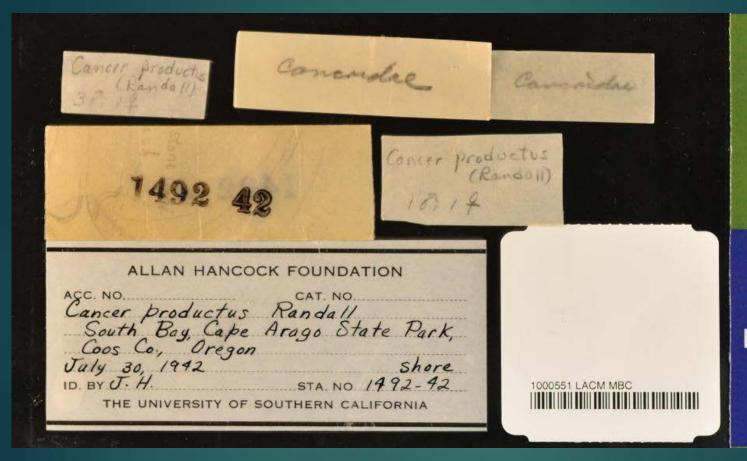


Online Citizen Science

- Transcription and/or annotation of field/cruise notes, labels, ledgers
- Collaborative/social online work via WeDigBio or other organized event
- Atlantic vs. Pacific challenge?







N A T U R A L H I S T O R Y M U S E U M

LOS ANGELES COUNTY

MARINE BIODIVERSITY CENTER

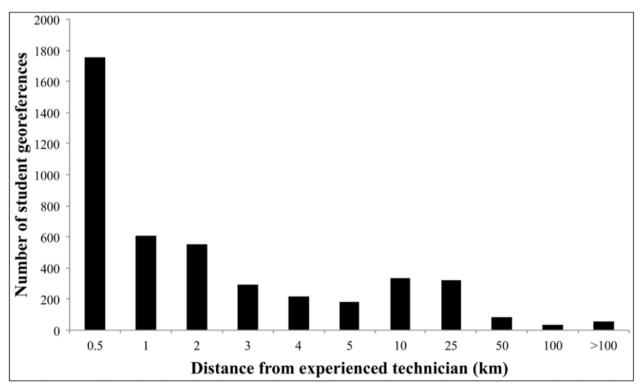


Figure 2: Distribution of the distance of student georeferences from expert points in the fish experiment at Tulane University with outliers removed.

Things we can do Year 1,

i.e., things that don't require a lot of data

- Libraries of Life
- iNat project focused on spp we're digitizing
- What are you already doing with marine inverts?
 - DISCO (Diversity Initiative for the Southern Calif. Ocean)



Field Kits

distributed at libraries



Community Science at NHMLA

Institution-specific

- Exhibitions
 - Can be as 'simple' as a poster, single case, or cart
- Special events with speakers, tabling at events
- 'Dog and pony show' of cool things we're digitizing, interesting stories that have come to light, highlighting local contributors
 - Traveling trunk

General thoughts

- Language and resources (figurative and literal) that are inclusive of underrepresented groups, that make use of local knowledge, and tap into existing educational structures
- Develop citizen science tie-ins to DigIn research (iNat, for example)
 - E.g., revisiting coastal sites for then and now bioblitzes
- Social Media!
 - DigIn handle or at least an agreed-upon hashtag