**Topic:** Identifiers for specimens, localities, people, etc.
**Date:** 2020-12-03
**Time:** 11am Eastern

**In Attendance**

| Name | ORCID |
|---|---|
| Erica Krimmel, iDigBio/FSU | https://orcid.org/0000-0003-3192-0080 |
| Roger Burkhalter, Sam Noble Museum | https://orcid.org/0000-0001-5518-5661 |
| Talia Karim, CU Boulder | https://orcid.org/0000-0001-6514-963X |
| Holly Little, Smithsonian NMNH | https://orcid.org/0000-0001-7909-4166 |
| Christina Byrd, MCZ | https://orcid.org/0000-0001-7963-6092 |
| Margaret Landis, Sam Noble Museum | [To be determined as I working with resolving with ORCID as others may have created one for me as well as me having created one] |
| Cynthia Carr, JHU student | |
| Carrie Levitt-Bussian UMNH | |
| Dean Pentcheff NHMLA | http://orcid.org/0000-0002-4049-3941 |
| Nicole Volden NMMNH | |
| Conni O'Connor, Florissant Fossil Beds National Monument | https://orcid.org/0000-0003-1719-4617 |
| Ian Engelbrecht, NSCF | https://orcid.org/0000-0002-4191-690X |
| Jessica Cundiff - MCZ | |
| Lindsay Walker, NHMLA | https://orcid.org/0000-0002-2162-6593 |
| Carrie Eaton, UWGM | https://orcid.org/0000-0001-6647-1751 |
| Jessica Utrup (YPM) | https://orcid.org/0000-0001-5201-8235 |
| Rebecca Snyder, Smithsonian NMNH | https://orcid.org/0000-0002-0028-6139 |
| Jacob Van Veldhuizen, CUMNH | https://orcid.org/0000-0001-6770-0181 |
| Viktor Radermacher | |
| Adam Kowalczyk, UMich | |

| | |
|---|---|
| Cyrus Green, MCZ | |

**Resources**

- Google Drive Folder: https://bit.ly/2OjZcWj
- GitHub: https://github.com/tdwg/esp

**Agenda**

- Why identifiers?
- What are identifiers?
- ORCiD fun - https://orcid.org/
- occurrenceID
- Discussion

**Action Items**

**Questions?**

From Ian: Why can't we agree on what identifiers are??!! :-P

**HH Prep**

1. OccurrenceIDs: What do yours look like? How are they minted? Are they resolvable?

2. Do you record other identifiers in your database (e.g., DOIs for publications, ORCID for Agents/People)?

**Resources**

iDigBio GUID Guide for Data Providers

**Notes**

Look how fun identifiers are! https://www.pidapalooza.org/

How are we defining an identifier?

- Anything that directs you to a thing, even a catalog number
- Use a specifically named identifier (GUID, PID, etc.) whenever possible
- UUIDs should be version 4

LSIDs (life science identifiers)

- Did not have a longevity plan for how they were going to remain resolvable, which is why they are out of fashion

How do you assign occurrenceIDs?

- NMNH uses EZIDs because they are resolvable, e.g. http://n2t.net/ark:/65665/3af2b96d2-a8a1-47c5-9895-b0af03b21674 redirects to the specimen record on the institutional web portal
- One ideal is resolvable address (http://n2t.net/ark:/65665/) + GUID (3af2b96d2-a8a1-47c5-9895-b0af03b21674)
- Assign the identifier at the canonical source (e.g. the collection)
- Resolvability is a point of contention in some circles--does the resolvability impair the ability to be unique? What about situations where the record has no resolvable location? Trying to enforce resolvability raises the bar on assigning GUIDs.
- Who mints the UUIDs? Make sure it's the canonical source!
- Is the identifier identifying the physical object or the digital record?

If you have a specimen exchange do the identifiers go to the new holding institution?

- Identifiers should go the the new institution, but then the resolvability is the tricky part
- Does the new institution retain the same identifier?

If you have destructive sampling what happens to the identifier?

- At NMNH identifiers for destructive sampling and deaccessions are still maintained but resolve to some kind of 404 message

Thoughts on identifiers for localities?

- DigIn people are setting up a distinct database for shared collecting localities and will need an identifier system for that

Do you have fields to store identifiers?

What identifiers do you integrate with your data?

Where do/should we apply identifiers?