**Archbold Data Session 2**

Potential Additional Functionality

**1. Data change tracking**

Can be done in SAS)

Raw data

Meta data

Python program to document state of system when processing

Datasets can be too large to archive

Processing steps

Want results to be reproducible.

Will only archive datasets collect as part of LTAR, not satellite imagery…

Alyssa will send example paper to Jeff

**2. Common data QC procedures**

John Sadler created an audit trail using flags (raw, revised, complete record; raw data only available for flagged items with request from site.

All sites will do their own QC.

Lower Mississippi formed a collaboration to collect data from 15 EC towers with one scientist responsible for review.

Will have to try to minimize reworking data redundantly, but some level of reworking for different endpoints will be required at some point.

Try to move to common programs.

Collect data at highest frequency that makes physical and economic sense.

Can’t assume Fluxnet will always be there (international fluxnets are in flux!).

**3. Station Events Data**

no discussion

**4. Code Collaboration Library**

WaterML2 has some international blessing (OGC)

Data Rods

Supporting downloads, comparing sites, documenting final as opposed to provisional.

**5. Other NAL support**

Note geospatial data contacts from each site

Select all fields from a location

Select all data on a topic (pesticides) from all sites

Select by instrument

Bar codes to tract metadata

What resources are available for database management?

Jeff + with ISO software support

**6. Other LTAR data in networks**

**7. Communications support**