

LOG OF CHANGES TO NUTNET DATA

13 NOVEMBER 2017

New Data Added

- New data
 - ⇒ Sedgwick (sedg.uk) 2017, Year 10 sampling
 - ⇒ Temple (temple.us) 2016, Year 10 sampling
 - ⇒ Fruebel (frue.ch) 2015, Year 9 sampling
 - ⇒ Bogong (bogong.au) 2017, Year 8 sampling
 - ⇒ Mt. Caroline (mtca.us) 2016, Year 8 sampling
 - ⇒ Cowichan (cowi.us) 2015, Year 8 sampling
 - ⇒ BadLauchstaedt (bad.de) 2017, Year 2 sampling
 - ⇒ Bariloche (bar.ar) 2016, Year 1 sampling
 - ⇒ Kilpsjarvi (kilp.se) 2016, Year 4 sampling
- New sites
 - ⇒ msla.us, year 0: 'Missoula' site at the MPG Ranch in Montana. Experimental, full-factorial site.
 - ⇒ abisko.se, year 0: 'Abiskojuare' observational site in northern Sweden. '
- Many more sites and new site data to be uploaded – stay tuned.

Soil Data

- A lot of data has yet to be uploaded. Stay tuned.

Bugs/Fixes

- comb_by_plot
 - ⇒ Correct Species Richness calculations:
site_year_richness was counting non-vascular species, while site_richness was not. Now the two columns match up. In addition, sites that have a species like 'Oenothera' by searching and removing taxa that looked like 'Other', we were removing 'Oenothera sp.'
- comb_by_plot_clim_soil
 - ⇒ New climate variables: "V2" in column name denotes where we replaced old worldclim data with new worldclim climate variables (<http://worldclim.org/version2>)
- cover
 - ⇒ 'Bare ground' was sometimes assigned taxon 'Barbarea vulgaris', now correctly assigned taxon 'ground cover' (357 observations across 8 sites, incl: lake.us, potrok.ar, glcr.us, badlau.de, bari.ar, spv.ar, abisko.se, msla.us)
 - ⇒ 'Litter' was sometimes read incorrectly into cover data as 'ground cover', now correctly called 'litter' (5 sites: lake.us, glcr.us, badlau.de, bari.ar, spv.ar)
 - ⇒ All sites: 'Other litter', 'Ground', 'Animal digging' and other non-live categories were mapping to functional_group 'Forb' in cover data. Now maps to a new functional_group category, 'Non-Live.'
 - ⇒ 'Potrok.ar' litter cover from 2017 fixed: was originally assigned to year 2004 (?). All cover from potrok.ar 2017 deleted, then re-loaded to database to ensure no more errors.
- mass
 - ⇒ Updated Temple biomass 2007-2014: many errors, mostly having to do with the fact that Temple measures biomass on multiple dates and we inconsistently handled this across years: sometimes we took the maximum, sometimes we took the sum of multiple dates—and, sometimes we did not multiply the clip strip biomass by the

correct scalar to get it to grams per 1m2. Now Temple biomass has all been fixed, and is:

```
= maximum[  
  sum(date1_clipstrip1_g0.1m2+ date1_clipstrip2_g0.1m2)*5,  
  sum(date2_clipstrip1_g0.1m2+ date2_clipstrip2_g0.1m2)*5,  
  sum(date3_clipstrip1_g0.1m2 + date3_clipstrip2_g0.1m2)*5)
```

⇒ Corrected comb-by-plot masses by updated biomass_plot_summary view. Now Total biomass only comes from core subplots, just as with full-biomass.