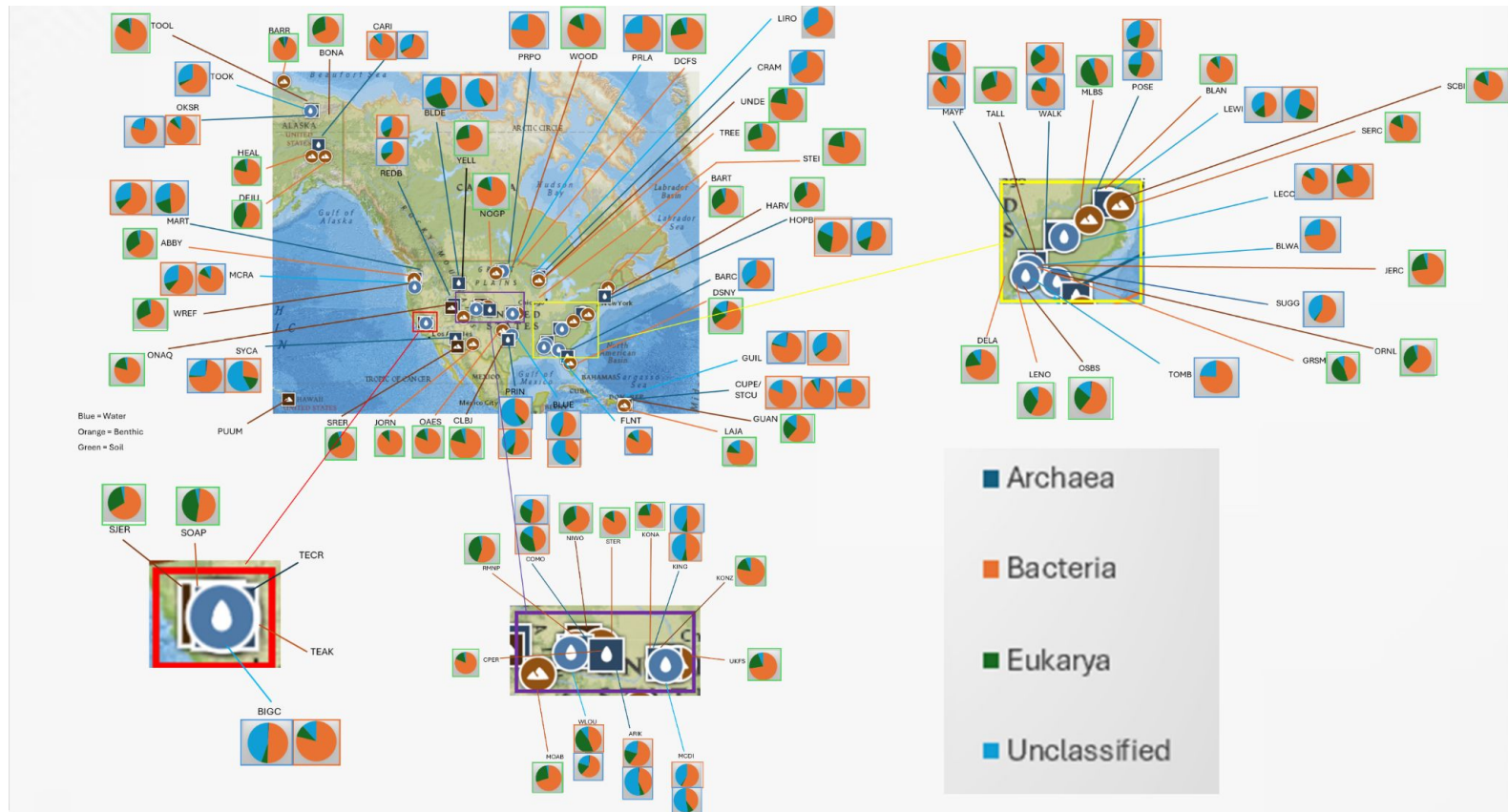


# MCD AQUAT/TERRESTR

**By Leo Sai**

# COMMUNITY CHARTING

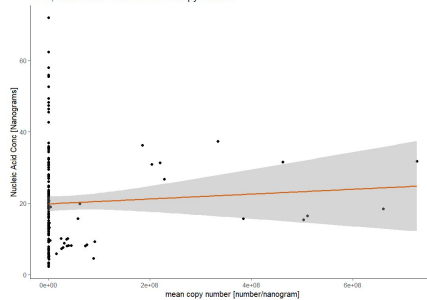


# ABUNDANCE CHARTING

[https://docs.google.com/spreadsheets/d/19oZjEqaPBDCPpjXK9cF\\_i9VHhPMmrqIH/edit?gid=1974384438#gid=1974384438](https://docs.google.com/spreadsheets/d/19oZjEqaPBDCPpjXK9cF_i9VHhPMmrqIH/edit?gid=1974384438#gid=1974384438)

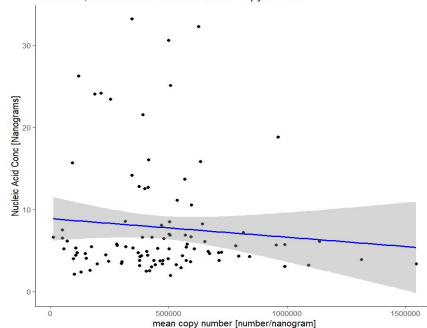
Goal: Illustrate temporal changes in mainly seasonal variations of organisms through the variables stated in the Abundance Charting in aquatic and terrestrial settings.

SOIL; Nucleic Acid Conc vs. Mean Copy Number



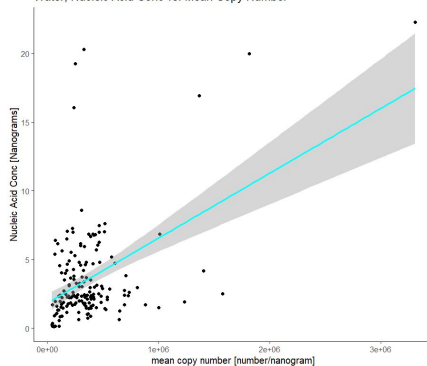
```
Residual standard error: 12.87 on 163 degrees of freedom  
(46 observations deleted due to missingness)  
Multiple R-squared: 0.003428  
Adjusted R-squared: -0.00268  
F-statistic: 0.5608 on 1 and 163 DF, p-value: 0.455
```

BENTHIC; Nucleic Acid Conc vs. Mean Copy Number



```
Residual standard error: 6.957 on 99 degrees of freedom  
(22 observations deleted due to missingness)  
Multiple R-squared: 0.008331  
Adjusted R-squared: -0.00189  
F-statistic: 0.8149 on 1 and 99 DF, p-value: 0.3689
```

Water; Nucleic Acid Conc vs. Mean Copy Number



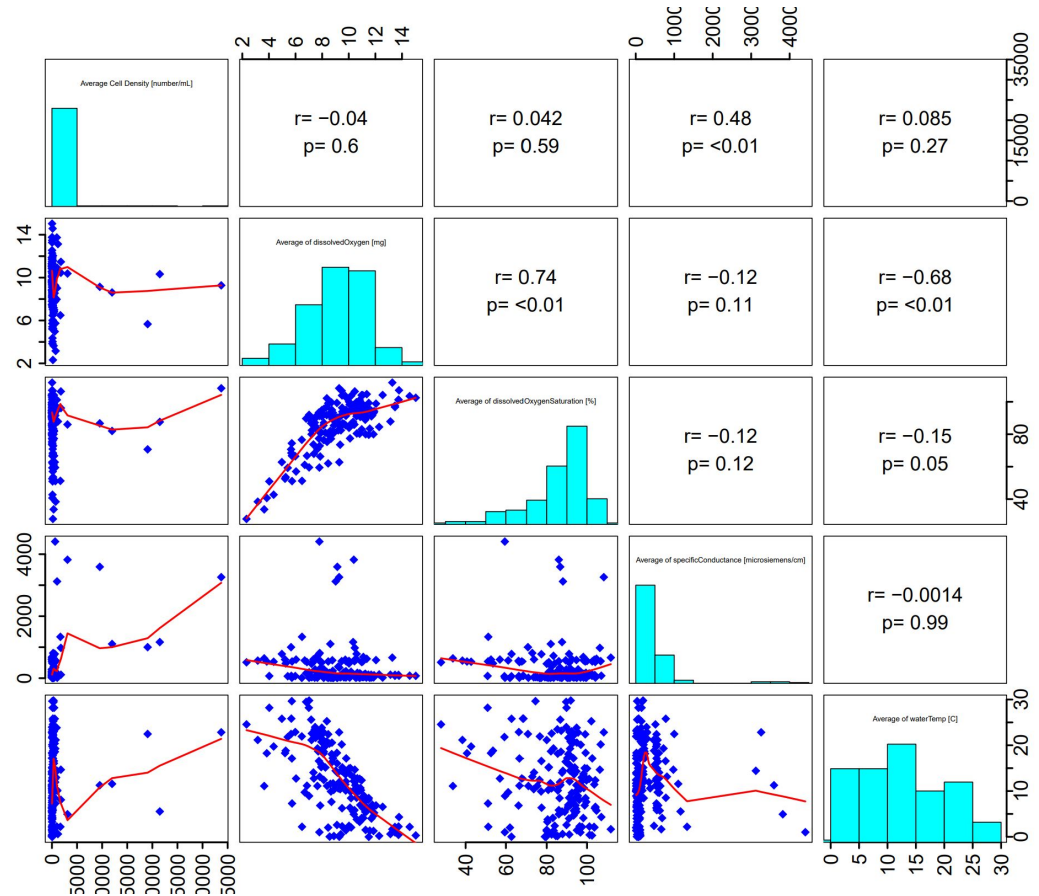
```
Residual standard error: 3.154 on 168 degrees of freedom  
(2 observations deleted due to missingness)  
Multiple R-squared: 0.2206  
Adjusted R-squared: 0.214  
F-statistic: 47.56 on 1 and 168 DF, p-value: 1.034e-10
```

# MCC SW CHARTING

<https://docs.google.com/spreadsheets/d/1prfMAGfqMBABJzLDjqLfA8uhT16SHujF/edit?gid=808955880#gid=808955889>

Goal: Communicate the various factors in respect to cell count in aquatic ecosystems throughout many sites

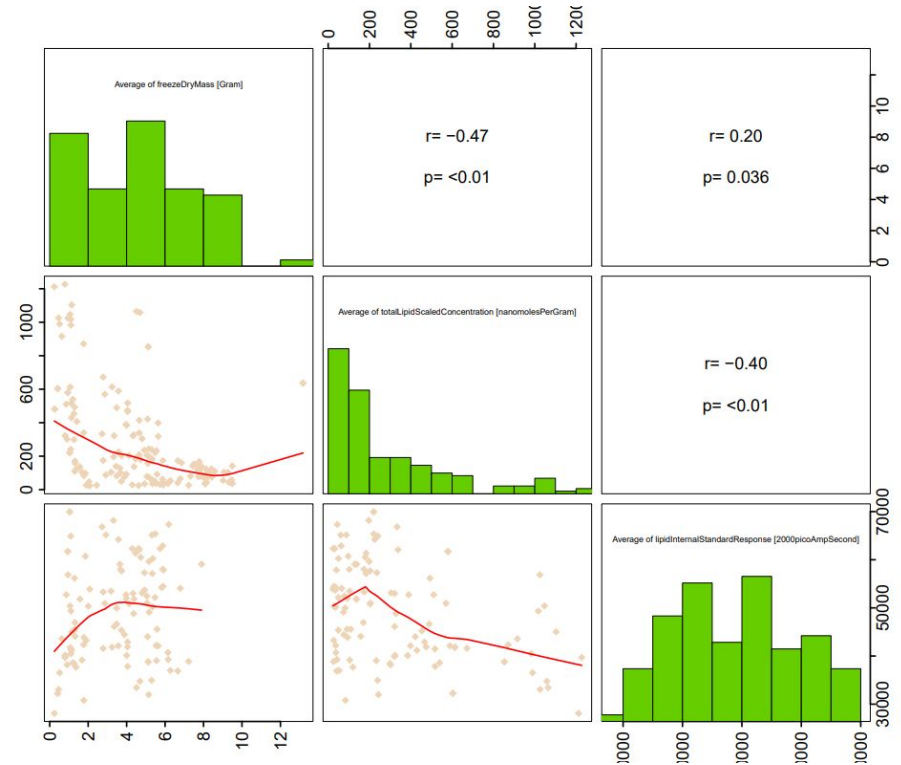
Use the most correlated as factor



# BIOMASS CHARTING

<https://docs.google.com/spreadsheets/d/1dBYillRz2mU6pVUAtKEWfW1-78kcqk9f/edit?gid=1885235965#gid=1885235965>

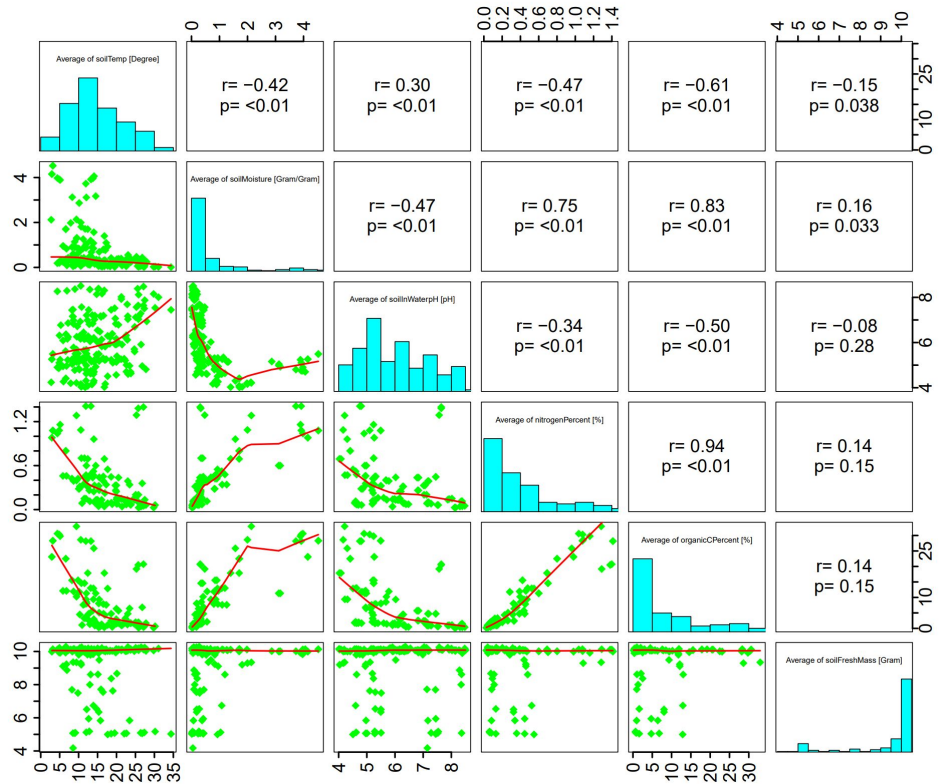
Goal: To support data from Community, Abundance in the perspective of terrestrial values in chemical compositions to illustrate the processes that the microorganisms do such as nitrification and ammonification.



# SOIL PROP CHARTING

<https://docs.google.com/spreadsheets/d/1V6PuwwPgEOo2cY4jUj-3MbvGttTOfS6P/edit?gid=1104799773#gid=1104799773>

Goal: Illustrate the different chemical composition through seasonal changes in various sites in support of terrestrial territory.



# ROADMAP

