20 November 2014

**ER Project To Do’s**

1. Use **Old Field Data (E245)** to check what we have seen in our results.

Siddharth🡪 Winnie

* 1. Does the yearly stochasticity exist in old fields as well?
  2. Percent Cover
  3. Total Biomass Above- and Belowground

1. Use **Big Bio (E120)** data as controls from **Enemy Removal (E244)**.
   1. Why? Because it represents a larger area of biomass sampled.
2. **Modelling Options**: Use the model to predict what we will see
   1. **R\***
      1. Think of plots (soil nutrient supply) as chemostats and soil fungicide manipulation changes the nutrient supply rate.

Siddharth

* + 1. **Prediction**: Species with high R\* should perform poorly in fungus removal because they are no longer around to deliver nutrients (mutualist fungi) ☺
    2. **Prediction**: Species with low R\* should perform poorly in fungus removal because fungi will sequester nutrients (pathogenic fungi) ☺
    3. **Our Conclusion**: Competition trumps fungal effect.
  1. **Jim Bever and ?? Klironomos: Soil Feedback Models**

Winnie

* + 1. If the soil microbial and fungal community strongly influences the plant community, there are large changes in the plant community when fungi are removed.
    2. If the soil microbial and fungal community weakly influences the plant community, there are small changes in the plant community when fungi are removed.