**NutNet Conference Ideas**

2 Primary Questions:

1. Are fertilization effects on community composition dependent on nutrient identity?

Different plant species/functional groups are hypothesized to exhibit variation in resource requirements; in California, for example, legume and grass functional groups are thought to exhibit primary resource limitation by phosphorous and nitrogen, respectively. In a context of multiple nutrient limitation, these differing resource limitation characteristics are likely to produce contrasting effects depending on nutrient identity – the species increased by one nutrient enrichment treatment are likely to be a different subset of the community than those increased by another. As nutrient enrichment treatments are repeated, these effects may be expected to amplify, in which the magnitude of species-specific changes increase with time. However, there are few tests of this long-term perspective. While successive treatments may be expected to drive differences between nutrient enriched and control communities, the presence of density-dependent feedbacks or environmental covariates may produce highly non-directional changes in community composition.

2.