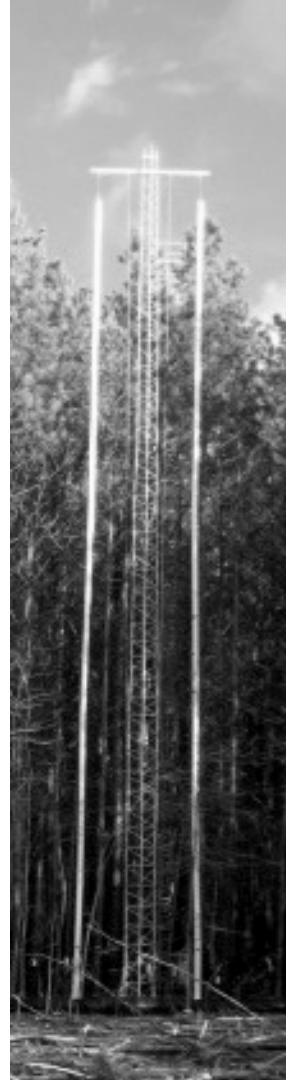
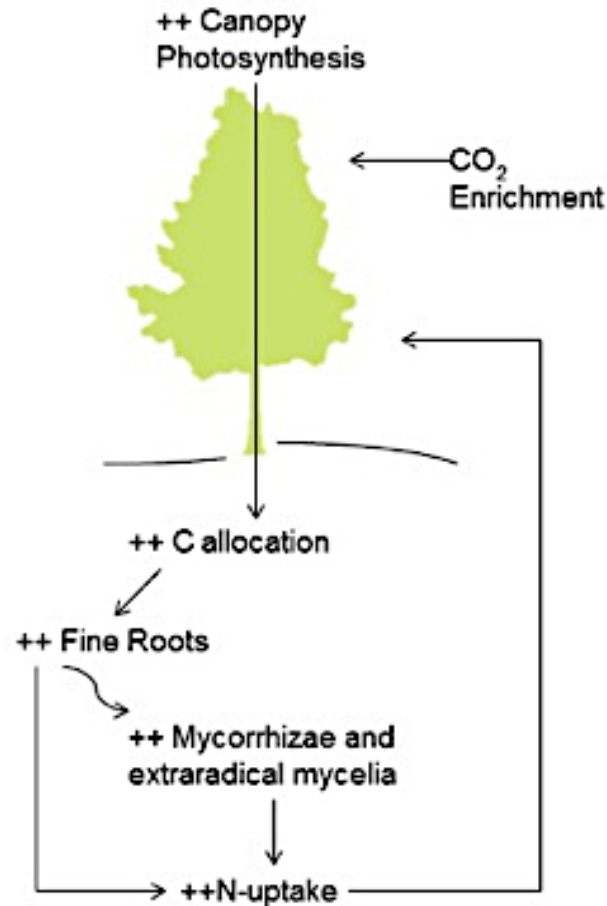
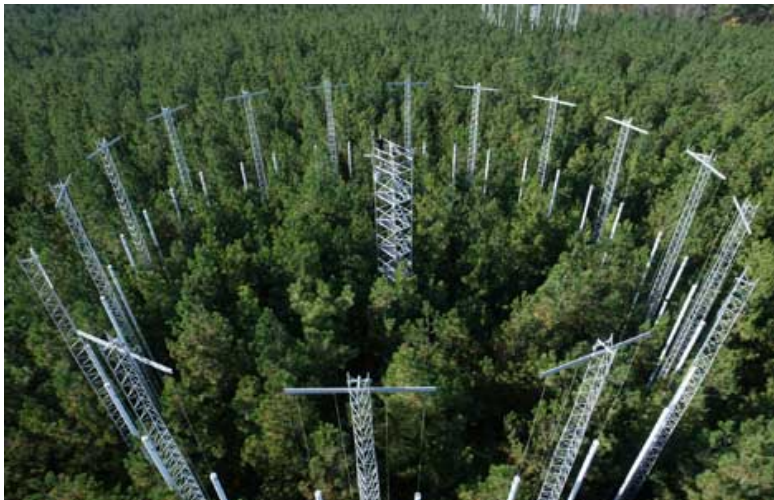
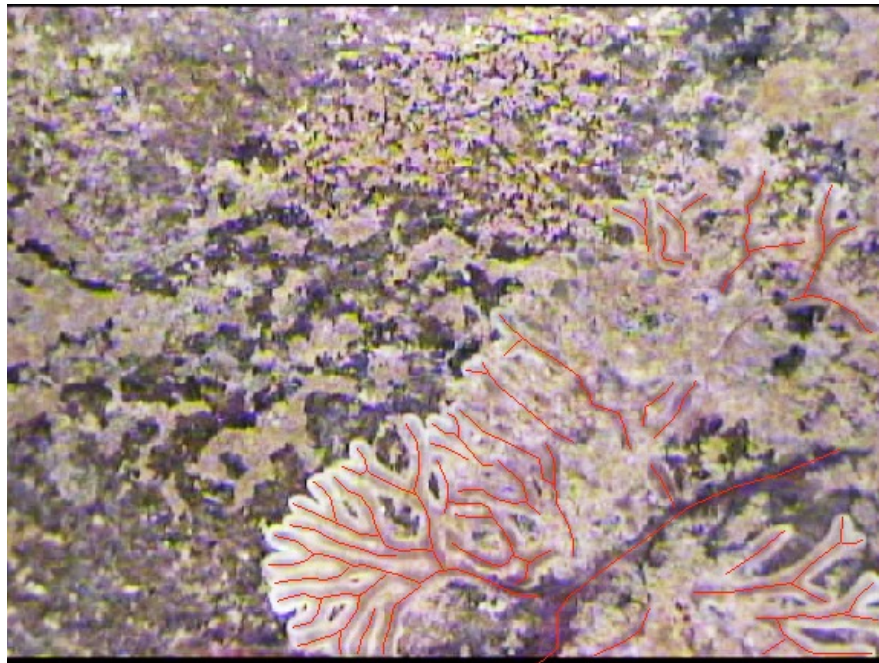
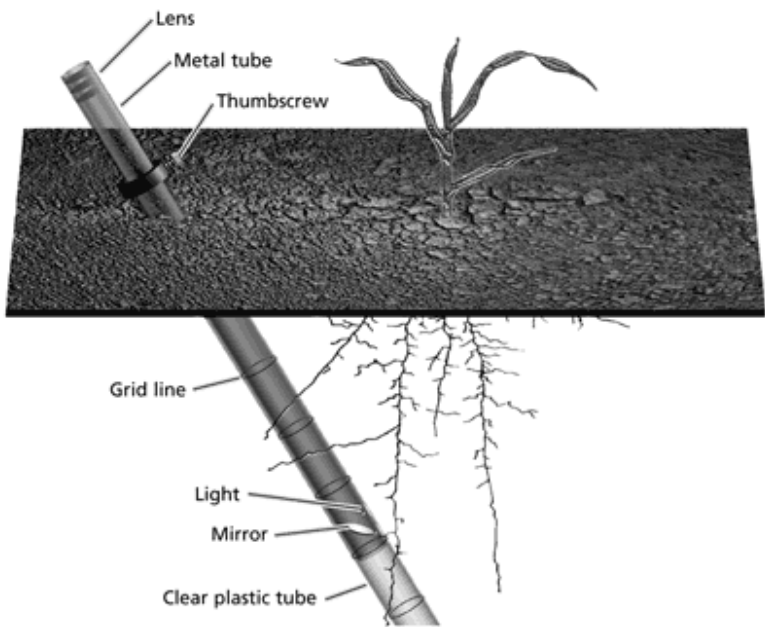
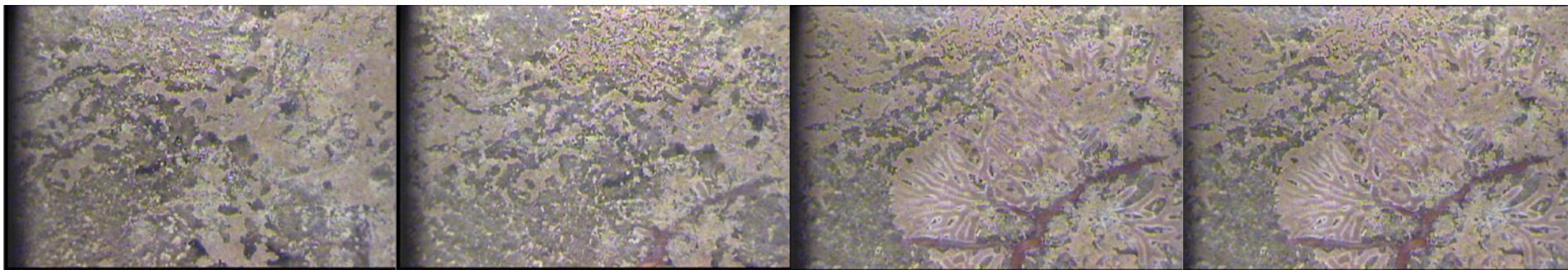
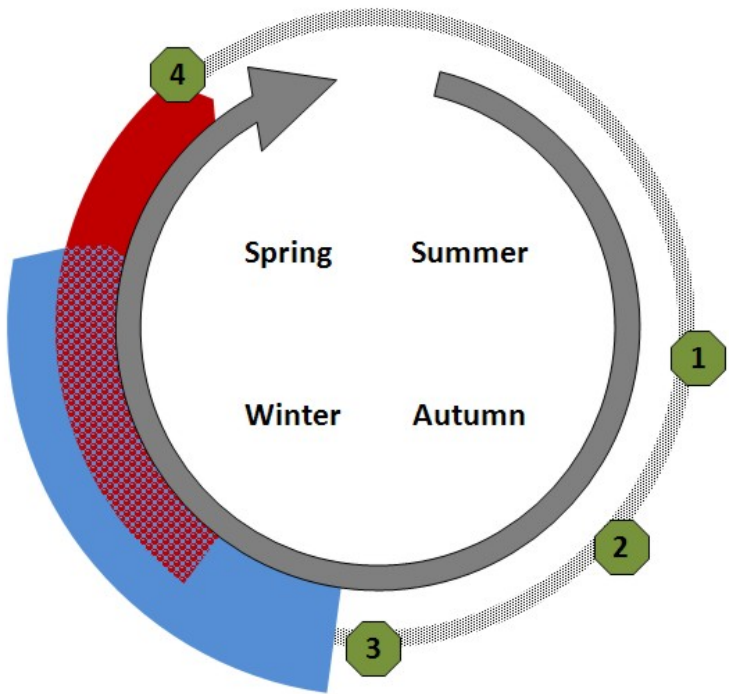


Free-Air CO₂ Enrichment (FACE)

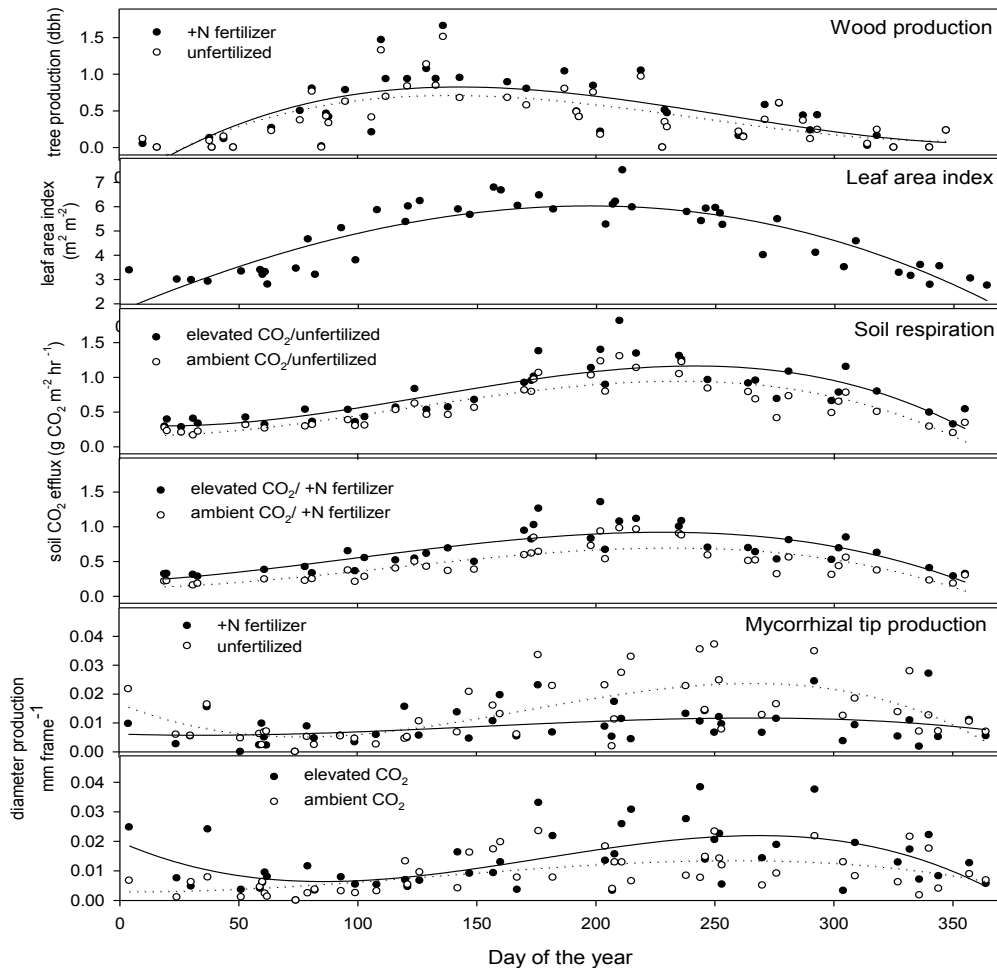






Phenological events

- 1) Bud set
- 2) Leaf coloration
- 3) Leaf fall
- 4) Budburst



Variables

Fine Root/ Mycorrhizal tip
(length)

1. Production
2. mortality
3. standing crop

Environment

1. Above-ground growth
 - DBH
 - Basal Area
 - LAI
 - Litter (g/m^2)
2. Soil
 - Moisture
 - Respiration- CO_2 efflux
 - Temperature
 - inorganicN, NH_4 , NO_3
3. Conditions
 - Temperature/ Rainfall

Areas of Interest

- 1) Variation in root growth throughout the course of a year
 - Which environmental factors best explain variation in seasonal root response?
- 2) Below-ground Phenology- over the years
 - Timing of events (root/ myc tip production and mortality)
 - How do phenological events vary with soil depth/ treatments/through time?

To Do List:

- 1) Merge more recent data with older dataset 1998-2011
- 2) Multiple Linear Regression?
- 3) Phenological analyses...
- 4) Tell some kind of story/ make some good looking plots