**NRM351, Forest Ecology - Spring 2021**

**Research Project: Lichens in YOUR Backyard**

***Developing Hypotheses – PART 1***

DUE: Each individual should upload your responses to Blackboard by midnight on Wednesday, 3-February.

***Forming Hypotheses to Test***

In this lab, we will be exploring relationships between lichen presence and abundance and abiotic and biotic factors. Consider the key habitat requirements of lichens. What abiotic and biotic variables may affect the presence and abundance of lichens, in general, or type of lichens present?

Students can work individually, in pairs, or in small groups to:

**Develop a potential hypothesis to test.**

Response (Dependent) Variable:

Predictor (Independent) Variable:

What do you expect the relationship to be?

Rationale:

Write Out Your Complete Hypothesis:

***Larger Spatial Scale Analyses and Hypotheses to Test***

Once the *i*Naturalist project EREN Lichen gets contributions from multiple sites, there is excellent potential to expand spatial scale of analyses and breadth of research questions to address. Data can be explored from multiple EREN Lichen sites. These data can also be combined with other datasets (e.g., NEON. Living Atlas, NLCD) to broaden these types of research questions and analyses.