Has the extent of the study been defined?

Distribution of the thing being sampled

What is affecting the distribution?

* What is being sampled?
  + Nominal ecosystem parameter/indicator (e.g., bare ground cover, juniper density)
  + Occurrence/abundance of an object or event (e.g., sage grouse, impact areas)
  + ……..
* If object/event, are all occurrences known and can be enumerated?
* Is the study area divided up into discrete units? / Can the study area be divided up into discrete subunits?
  + Does the variability of the subunits differ between subunits?
    - Yes - Stratification helpful
    - No - Stratification not necessary
  + If Stratification
    - Can all strata be sampled?
      * Yes - Stratified Sampling
      * No - Two-stage sampling
* Does the parameter/event/thing being sampled vary with respect to something that can be mapped/measured across the study area (e.g., related to NDVI, influenced by distance to roads or other features)?
  + Yes - unequal probability sampling
  + Yes - two-phase sampling
  + No - equal probability sampling
* Does the parameter/event/thing being sampled occur in clusters with large spaces between them?
  + Yes - Adaptive Cluster Sampling