Analysis steps

1. Call network
2. For each permutation
   1. Assign null model interactions for fake basals
   2. Remove for generalists (calculate by looking at degree distribution) 90% of possible interactions randomly
   3. Remove nodes sequentially for following scenarios
3. Scenarios
   1. Random – our null model
      1. All species experience same likelihood of removal
   2. Red List species
      1. Assign increased likelihood of removal according to threat classification
      2. Classes are:
         1. Extinct and Extinct in Wild (we don’t include)
         2. Critically endangered
         3. Endangered
         4. Vulnerable
         5. Near threatened
         6. Least Concern (assign unclassified here as well)
   3. Loss of habitat specialists (water, wetland, grassland)
      1. Each habitat loss simulation is treated separately, so three curves
      2. Likelihood of removal is according to habitat specialization
         1. Habitat specialists (spp in only one habitat) must have highest loss
         2. Species existing in up to 3 habitats will have higher likelihood as well
         3. Habitat generalists (define by distribution of habitat generalists/specialists) will have slightly higher likelihood if in one of these habitats
         4. All other species equal random likelihood
   4. Loss of pair-wise habitats (Water/Wetland, Water/Grassland and Grassland/Wetland)
      1. Same as b, but now we combine effects of the loss of two types of habitat for 3 simulations
      2. Likelihood of removal depends on both habitats
         1. Habitat specialists and species existing in only the two habitats in question have highest loss
         2. Habitat generalists including both vegetation types also at higher likelihood
         3. True generalists less affected <- how to define
         4. All other species equal random likelihood
   5. Loss of all three habitats
      1. One simulation for all three together
      2. Likelihood of removal depends on all three habitats
         1. Species present in only one of these three, or in combo of two, or only in all three at highest??
         2. Species present in others but including these three habitats
            1. ¾ vs ¼ vs 3/8 vs 1/8??
   6. Potential next one: Pesticide/Herbicide effects – we still need to figure out how to simulate this though!