Exploring Strategic Network Organizations Properties

Part 1: steps 1-2

1. Choose a network organization (NO) to simulate. An example is a terrorist network with a few leaders and many foot soldiers (Gutfraind, 2009). Another example is a research topic with a few faculty and several students working on it. Pick an NO where you access to details. Simulate dynamics in this NO by simulating types and strengths of interactions on NO links. You can create a timed pattern of interaction. For example, every day, leader issues a task.

2. We are interested in developing metrics that quantify interesting properties of NO from step 1. See our short suggestion list but select at least two.
   i. What is the effect of leadership, bonding, diversity, or centralization on NO performance?
   ii. How much collaboration is practiced in the NO? i.e., mutual goals and shared plans
   iii. How enduring/resilient is the NO with respect to member loss or gain? I.e, stable coalition issues.

Part 2: Step 3

3. Quantify and demonstrate metrics from step 2 on NO built from step 1.

References