***Research Questions Activity – Part 3***

**Wednesday, Jan 10: 11:00am-11:45 am**

**11-11:10am:** Cara revisits group-chosen question and:

1. draws a model diagram showing the processes (flows) and influence arrows of one state on another

*This serves as an example of what we will do with each student in the small group session.*

**11:10-11:15am:** Divide the students into two groups of five or six. Have at least one instructor accompany each group and separate out into various corners of the facility.

**11:15-11:35am:** Instructor should scribe and facilitate discussion, preferably on white board or large sheets of paper.

* **Spend ~4min on each group member, one-by-one. Keep track of time or you will get behind!**
* Ask the student for his/her question and write at the top of the page for all to see. If the question can’t be modeled dynamically, guide the student to a complementary question that can.
* **Briefly brainstorm ‘populations’ and ‘states’ and ‘processes’ and ‘influences’ for the system represented by each question**
* Guide the group into construction of a rough ‘model diagram’ that matches each research question and highlight possible states and processes within that system.

**11:35-11:45am:** Regroup with whole group and close with brief discussion. Review ‘Make a Model Diagram’ HW.