***Refining Research Questions for Modeling***

**Tuesday, January 16, 2016: 1:00-2:15pm**

**1:00-1:05pm:** Divide the students into six groups of four/five. Have at least one instructor accompany each group and separate out into various corners of the facility.

* Groups: (1) Jess + Christian, (2) Fidy, (3) Andres, (4) Cara, (5) Tanjona, (6) Amy

**1:05-1:50pm:** Instructor should scribe and facilitate discussion, preferably on white board or large sheets of paper.

* **Spend ~8min on each group member, one-by-one.**
* 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.
* Brainstorm ‘states’ and ‘processes’ 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.

**1:50-2:00pm:** Regroup with whole group and close with discussion.

**2:00-2:15pm:** Intro to Make a Model Diagram HW