**Notes to Kristen**

1. What are the unique cutting edge capabilities that ORNL & NREL bring (emphasis on bioLUC)
   1. bioLUC model project
      1. bioLUC = Readily accessible framework that facilitates discussion and easy ability to run alternative scenarios to reflect different perspectives of how LUC works
      2. Workshop outcomes
         1. Modest redefinition of land categories & links between them that would capture separate steps for entrainment of pristine land into latent and latent to actively managed – separates policy & resource extraction influence from core market influence
            1. Clarifies categorization of land classes
            2. Simplifies calibration issues for bioLUC
            3. Creates opportunity to explore relationship between development & initial land disturbance (e.g. effect of policy & resource extraction)
         2. Full accounting for all land would open up additional applications e.g. carbon accounting
      3. Workshop team will pursue development of clear comparisons of land classifications across bioLUC & GTAP & Data & Causal analysis activities
      4. Needs for real-time presentation
         1. User-friendly output
         2. Pop-ups in model
         3. What can be left with client
   2. ORNL modeling, data, & causality
      1. Modeling:  CGE, integrated global economic model perspective (comprehensive, global market interactions, income effects)
      2. Data:  development and testing of novel approach for change detection
      3. Causality: clarifying questions & identifying data for hypothesis testing
      4. Linkages to bioLUC / BSM:  bioLUC / BSM as possible test bed for improved data and causality concepts
2. What is appropriate application of bioLUC with BSM
   1. Scenarios for global implications of US changes
   2. Don’t hard code together but use BSM to generate scenarios around US biofuel take-off that are put in to bioLUC as scenarios
3. Landscape design & positive land use change – management practices
   1. New proposed categories moved non-intensive pasture to intensively managed pasture and renames pasture as latent
   2. Ecosystem services generated by landscape is out of scope of model –open source hopefully generates further model development in this area