

## **Potential Transformative Bubbles Of Global Change Research And Communication Arising from Brainstorming at NCSU Global Change Symposium**

- Interface of physical drivers and responses in biological and agricultural systems
- Perceptions of public and policy makers: communicating climate science to achieve outcomes
- Punctuated changes: climate extremes and biological responses
- Using technology to quantify and mitigate climate impacts (e.g. diseases, agriculture, forestry, wildlife)
- Outreach, education, communication: science, arts, and music
  - Bridging language gaps
- Socio-ecological aspects of climate adaptation
- Geo-spatial analysis related to food security and tracking crop impacts
- Climate change and human well-being
  - Disproportionate effects of climate change on underrepresented groups
- Ecosystem services linking global environmental change to public interest and concerns