Brainstorming Responses to Questions Posed for Discussion at Global Change Symposium Networking Tables

What are the key themes of global change research/teaching/extension that are emerging at NCSU?	**What specific steps could the University take, short of providing money, to enhance the global change community on campus?**	**Identify one specific project idea or collaboration that members of your table would be interested to join**
• How to communicate findings/science communications • How to connect expertise on a continual basis/ creating an ongoing dialogue (is there a way to do this online?) • Becoming a good storyteller • Training for how to communicate with public policy makers, skeptics, etc. (target audiences) • Transform "boring science stuff" into something that appeals to people/what they care about	• Ongoing forum that has both online/in person opportunities (inclusion of all communication style preferences)	• Something like a "Coffee & Viz" for climate change
• Communication	• Have someone at university who can identify different people to work together • More idea exchange, training events- hosted by SECSC/USDA Hub • *Lean on grad students as a grassroots effort to build networks of global change collaborators. • Offer more coursework on global topics • More initiatives (using real plates, utensils) around campus to make people think about connectivity, global issues (i.e. the trash, compost)	• Perhaps hold a public forum so people can ask experts questions about climate change
• Communication • Agriculture	• GDP of Happiness or Human Well-Being for NC populations, rural & urban	• Coastal salinization & ag → plant 25 species in hurricane/salt damaged fields in Hyde County, NC "black soils" • Collaborate with France's tropical crops centers for new NC crops • Bring the Nile Project at NCSU to the N.C. Symphony (Grant Llewellyn)- director •

Continued	*Continued*	"Other research ideas- from lots of people-" • Hurricane-mediated dispersal of flora and fauna • Forest-atmosphere interface as a unifying theme for a sub-conference • Chalk talk formats for graduate students (as opposed to posters) • Climate change resilience- or lack of it- for under-served groups and communities (Princeville example) • Temporal perception as a scientific, political & communications driver (urgent vs. chronic; short term immediacy vs. Long Now)
• Considering science in the socioeconomic context	• Continue these types of networking opportunities - increase student involvement • Rewarding people for cross-college collaboration • Continue multi-college (cluster-hire) positions • Keep creating opportunities to get together and talk	• Participating in opportunities to engage directly with the public
• Science communication- using the arts • Modeling ecological impacts • Community involvement	• An information hub. Include all organizations, including student clubs • Regular events to bring together NCSU Stakeholders including students (undergrads, too!) • Encouraging cross college talk • Introducing scientists to LCCs	• Social climate justice • Citizen science- Informal Ed • Community engagement • Ecological economics • Service learning- undergrads All *(of the above)* linked (e.g. Energy Audits in comm. schools, churches, etc.)

• Solutions not just technical (applied work) • Interdisciplinarity- cluster hires • How to incorp. others (faculty) that fall under cluster themes or cluster of clusters	• Communicate research areas applied work to legislature • Communicate cluster research to broader campus & outside community • 1 yr. $30k "Provost Fellowships" – univ. recruiting tool Interdisciplinary fellows- leverage • Making interdisciplinarity work • Promote cluster candidate talks	• Come join the Ecol. and Evol. Sem Series • Facil. comm vs. clusters • New approp. data projections for ecologists could use skills/data/capacity for your research
• Communicating "controversial" science to the public • Stories vs. data – man • Long term vs. short term perspectives • Geospatial analysis- migration of pathogens & animals	• Communicate stories vs. data, abstract data & arts → → data transition • Interactive online tool to help digest climate data; zoom in, go through time	• Global Food Security Cluster Cluster-cluster joint initiatives • Ag & Climate
• The arts can be a powerful partner in creating context and making the environmental conversation accessible and personal. Using a different lens to approach the topic.		
• Decision driven science • Delivery to those who need it • Effective science translation AND communication	• Professor of Climate Practice- fill w/ sabbatic faculty (Bridge personality) Expectation - One class & speaking engagements + research – Each College • Integrate center work - Revolve staff, grad student - Collaborative grant administrator (per Dean Watzin's OBSTACLE removal • Recognize elite staff, grad student, Professor for climate work • Special NCSU Apparel for Climate Group • Protections for non-tenured professors working on climate. • Climate Colloquium livestreaming- using technology to remove barriers	• Uwharrie Water Modeling – Kelly Suttles Graduate Student Project Yadkin-Peedee watershed vulnerability to land-use and climate change will use Soil & Water Assessment Tool to make predictions on Uwharrie National Forest water resources

• Importance of translating/communicating science	• Support a platform connecting different levels of education for sustainable network of communicating science/curricula locally, which connect to make available globally. • Encourage departments to make ideas/lessons/lectures accessible in this platform	• Develop specific input around topic of global change
• Communication/Dissemination -Audience -public - policy makers - other scientists (cross-disciplinary) - Evaluation/metrics of impact (benefits, behavioral change) - Capacity, mechanisms • Advocacy vs. communication	• Use the global change & human well-being cluster as a communication center/connector for campus engagement in global change activities, information, etc - website - info • Broader impacts in grant proposals	
• Systems thinking – clusters	• Continue this event/like events	• Create a position(s) to facilitate/communicate between researchers – other colleges – public. Seems like we already have the necessary skills on campus to do so, such as: - Web/University communications - Library & TRLN - Campus sustainability office
• Communicate WITH involved parties- not dispensing info at people in community, but engage with people and understand how to connect with their interests	• To improve extension/outreach activities: include measurable outreach goals in evaluation of personnel/projects • Publish success stories of NCSU projects (faculty research, staff projects, extension, outreach, etc.) in public sphere (NCSU website, magazines, newspapers)	• Grad school curriculum which trains students as researcher but also in how to do engagement effectively

• Alternative means of communicating science to non-scientists, e.g. involving the arts • Citizen science • Interdisciplinarity, scales • Social justice issues • Life cycle analysis • Technological innovation	• More w/ social justice participatory work • Work on facilitating forums for interdisciplinary discourse- time and space! • Host a conference • Media training • Help find funders • Hold a contest to choose a unifying campus global change research theme or goal	• Innovative vector control
• Water • Animals & climate • Lots on climate change, but be sure to consider other forms of global change→ urbanization, resource extraction & how they interact with global change	• Everything costs money • Do communication for researchers (proactively seeking news) • Future theme based symposium • Emphasize land-grant mission in how it supports global change research	• Interdisciplinary study on interaction between global change and fire ecology