



Southeast Regional Climate Hub

<http://climatehubs.oce.usda.gov/southeast-hub>

<http://globalchange.ncsu.edu/serch>

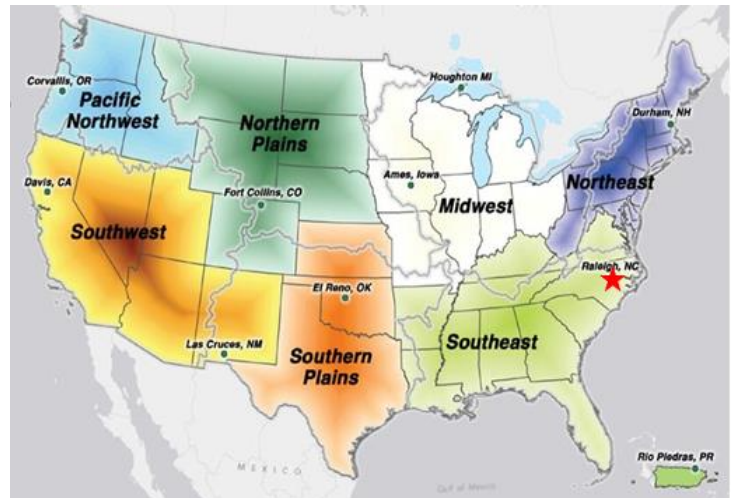
Mission: SERCH will develop and deliver science-based, region-specific information and technologies to agricultural and natural resource managers and communities that enable climate-smart decision-making, and provide assistance to implement those decisions

Approach

- Translate science into USEFUL tools and info
- Work with extension to pass these tools along to landowners and stakeholders
- LISTEN to feedback from extension and producers about what works, what doesn't, and what else is needed
- Provide this info to funding agencies to support future research projects
- Build a network with similar organizations in government, universities, extension and research to foster collaboration

Current Efforts

- Vulnerability assessment for agriculture, livestock, grazing, and forest lands across the region
- Partnership facilitation to better connect stakeholders and resources with the goal of understanding needs and information gaps
- Connecting to state extension contacts in all 11 southeastern states
- Increase engagement with minorities and tribal communities through outreach and partnership building
- National tools assessment (flip for more info)



SERCH is headquartered on the NCSU campus in Raleigh, NC

Priorities for Growth

- Creating demonstration plots for research and education focused on sustainable, climate-smart systems, practices, and products
- Extending AgroClimate as a tool for producers in all southeastern states
- Expanding TACCIMO to include finer resolution climate data and findings for agricultural and grazing lands
- Collaboration on research grants



We want to hear from you!

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BASIC RESEARCH

Planning, conducting, and sharing basic science with applications and end-users in mind

National Tools Assessment

- SERCH is leading the national Hub-wide effort to inventory and assess tools that assist land managers in making climate-smart decisions
- Comprehensive review of hundreds of tools with 20 evaluation attributes
- Simple, public, searchable database will allow users to find tools matched to their needs
- Gap analysis will determine new research and development needs

Adaptive Sustainability Cycle: SERCH is working to enhance tech transfer from extension networks to working land managers & owners and connect feedback from these practitioners back to researchers

EXTENSION

Tech transfer tools and products deliver useful science to extension agents & stakeholders

ADAPTIVE MGMT

Information networks collect feedback from land managers and share with funding organizations



Spotlight on TACCIMO

- TACCIMO (Template for Assessing Climate Change Impacts and Management Options) is a web-based knowledge management system that meets the climate change science needs of resource managers
- Start exploring at www.taccimo.info

Closing the Loop

- Apply models to design & test novel forest management systems focused on climate change resilience
- Share decision support science through web tools
- Build capacity to retain grant results and decision support science

Other Resources

- AgroClimate – manage climate risk in agriculture, <http://agroclimate.org/>
- Conservation Webinar Portal – latest research & industry practices, <http://www.conservationswebinars.net/>
- Service Forester’s Handbook – quick reference for forest measurements, <http://sref.info/projects/the-service-foresters-handbook>