



Decision Support Services

From a State Climatologist's Perspective

Ryan Boyles
State Climate Office of North Carolina
North Carolina State University

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About State Climate Offices

- State-focused public resource for climate science, information and services
 - Extension of research to community applications
 - Research on state climate and its impacts
 - Community outreach & education
 - Mission for public service
- 30+ years of service



Climate Decision Support

- Engagement process
 - Requires climate science education effort
 - Two-way discussion of needs, impacts
- Working at boundaries, quickly learning how other sectors work
- Often, use of technology and historical data as well as climate forecasts



Examples

- State Climatologists often support state, local government agencies
 - *Risk assessment* often a focus
- City/regional infrastructure planning
- Resource Management:
 - Water: reservoir planning and permitting
 - Ecosystem: species migration, health
 - Ag: Crop Suitability



Public/Private/Academic Roles

- Public
 - Depends on geographic scale (fed, state, local)
 - Historically have focused on common data collections
 - Often rely on private, academic support
- Private
 - Wherever there is profitable need to be met
 - Often rely on some govt, academic resources



Public/Private/Academic Roles

- Academic: *Education, Research, Extension*
 - Historic strengths of higher education
 - the *public* resource for scientific expertise
- Long history of university engagement
 - 4H, Ag Ext, Forest Ext, Industrial Ext, Sea Grant
 - Training experiences for students
 - Always rely on govt resources, sometimes private sector support as well
- State Climatologists are the public, local resource for climate science and





State Climatologists are the existing local resource for climate science and DSS

ryan_boyles@ncsu.edu

<http://www.nc-climate.ncsu.edu>

919-515-3056 or 877-718-5544

