



Eastern Threat Center Perspective on Climate Change and Forest Health Monitoring



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Eastern Forest Environmental Threat Assessment Center
Providing tools and technology to address emerging forest threats

Eastern Forest Environmental Threat Assessment Center

- Eastern Center is a collaborative effort among three main forest service branches
 - Chartered in 2005; administered through Research and Development
 - Housed within the Southern Research Station
 - Maintains offices in Asheville, Raleigh and Research Triangle Park, NC



Eastern Forest Environmental Threat Assessment Center

- Eastern Center's Mission Areas:
 - Threat Assessment
 - Emphasizes integrated approaches to detecting and assessing forest threats
 - Southern Global Change Program
 - Examines consequences of climate change
 - Forest Health Monitoring
 - Tracks health and sustainability of nation's forests



Primary Forest Threats

- Insects and Diseases
- Invasive plants
- Wildland fire
- Severe weather
- Land-use changes
- Pollution
- Climate change



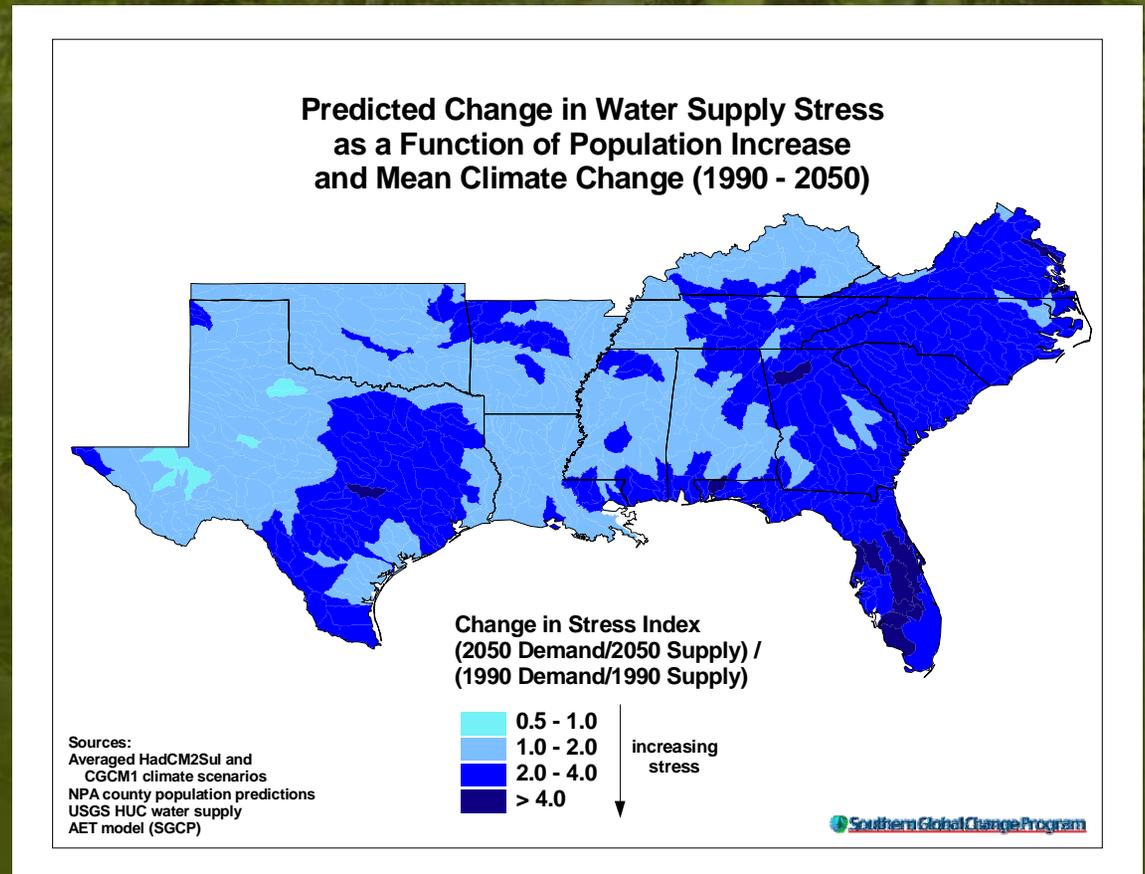
Climate Change Research

- Better document and quantify climate-induced changes in forests and forest resources (experimentation and observation).
 - Intensive
 - Extensive



Climate Change Research

- Develop tools to predict climate change effects and interactions with other threats (prediction).



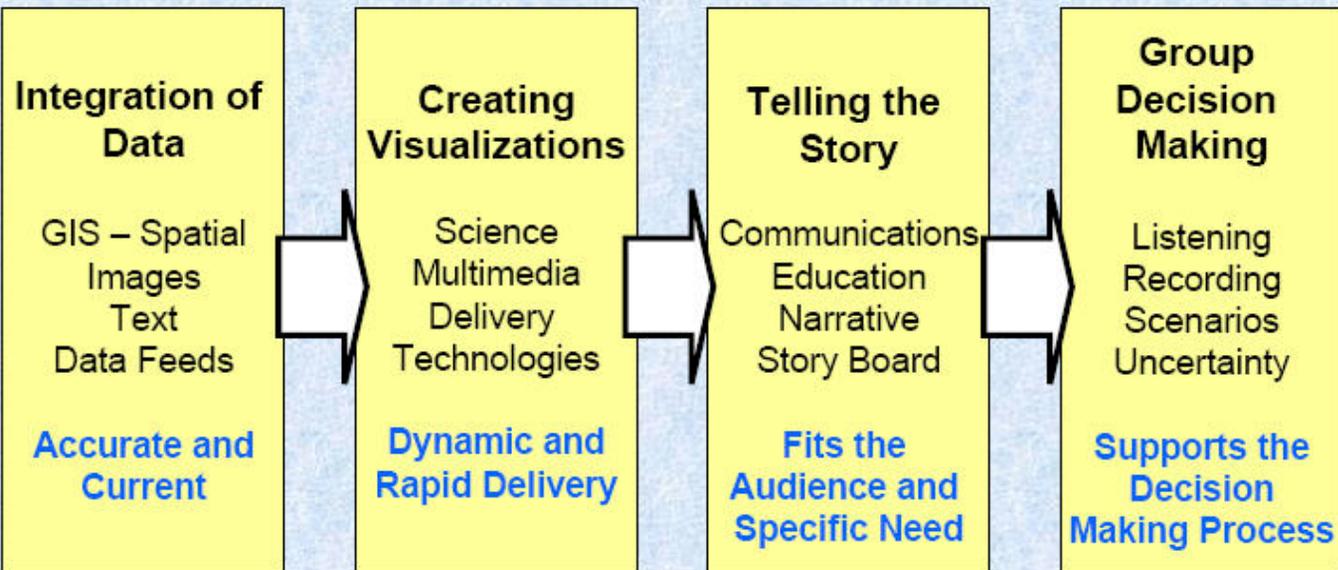
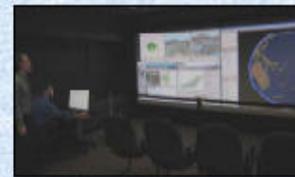
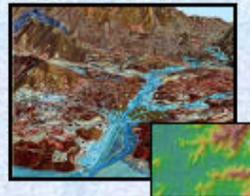
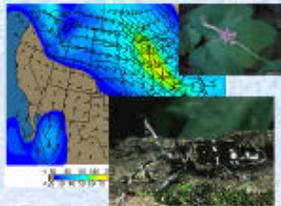
Climate Change Research

- Help develop and implement strategies to reduce negative effects of climate change (mitigation and adaptation).
 - Increase knowledge
 - Risk assessment
 - Risk management

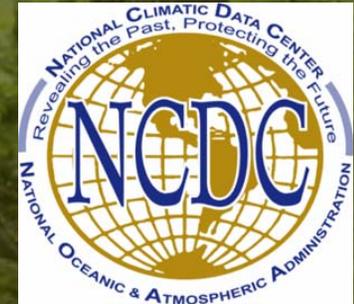


Decision Support

A Dynamic, Repeatable Business Process for Collaborative Decision Making



Partners are Essential



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