



### Presenter

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### The NEMAC-FernLeaf Collaborative: Creating Climate Solutions Through a Public-Private Partnership

Cities and business organizations are increasingly seeking more innovative approaches and technology to implement resilient solutions for dealing with impacts from a changing and variable climate. UNC Asheville’s NEMAC has spent nearly a decade focusing on the technology transfer of state-of-the-art decision-making tools designed to help local planners and other stakeholders become more informed—and make better decisions that can lead to an increase in resilience for their community or organization.

To better facilitate this technology transfer, NEMAC and its spinoff, FernLeaf Interactive, have formed a public-private partnership and are collaborating with NOAA’s Climate Program Office to make federal climate science and other related data more localized, meaningful, and affordable through developing such tools as the U.S. Climate Resilience Toolkit and the Climate Explorer.

Recognizing that many communities already have the needed foundational data and basic technology to explore their own climate-related threats and exposure to hazards, the NEMAC-FernLeaf Collaborative developed AccelAdapt—a web application that automates the analyses required in a quantified climate vulnerability assessment. Through a partnership with Esri, the global leader in spatial science technology, local governments and other organizations can integrate AccelAdapt and receive continuous updates to these and other assessments.

This presentation will highlight the development of the NEMAC-FernLeaf Interactive public-private partnership and describe how the team collaborates on building innovative technological climate resilience solutions and tools, and show how these tools are being used by communities and other organizations.