



A broader role of the LCC community is to help coordinate and plan conservation actions at a landscape level.



Deliver SCIENCE

To effectively address the conservation challenges and opportunities across the landscape, the Appalachian Landscape Conservation Cooperative (AppLCC) hosted a workshop with over 150 researchers and managers from across the geography.

The purpose: **identify the science information needs of Appalachia and build the necessary foundation to work at such large geographic scales.** The workshop resulted in a guidance document organized as a Science Needs Portfolio vs a single list of topical questions.

AppLCC science investments include:

- Appalachian Energy Forecast Analysis
- Riparian Restoration to Promote Climate Change Resilience
- Flow-ecology in the Marcellus Shale Region
- Land Use and Climate Change in the Appalachian Landscape
- Stream Classification System
- Classification & Geo-referencing Cave/Karst Resources
- Ecosystem Services and Environmental

“NatureScape” – integrated landscape conservation design (LCD). The final products of AppLCC-funded research were integrated into a suite of visualization tools designed to represent **areas of opportunity for balanced development while delivering a healthy and resilient natural landscape or “NatureScape.”**

“NatureScape” – Helps partners address key questions:
 “Why is this place important?” ... “What resource priorities as defined by our partnership are within this area?” ...
 “Where do we get the most ‘conservation bang for the buck?’” ...
 “What are the wisest, sustainable long-term investment of our conservation efforts?”



Support NETWORKS

The AppLCC supported the Tennessee Valley Authority to formally establishment of a coordinated Network across the Tennessee River Basin. AppLCC has supported the **formation, communication, and information sharing among one focal area within the LCC geography.**

The AppLCC has supported their efforts by providing:

- Expertise Database of technical experts
- On-line “Conservation Action Mapper” that identifies “Who’s working where and what are our shared conservation interests”, and
- Provided Web Site for the Network partners: <http://applcc.org/projects/trb>.

On-line Training Courses: self-paced, tuition-free on-line training course have been developed by AppLCC staff and Conservation Fellows to introduce and train end users to the suite of tools and resources available.

In-person Training at partner-hosted workshops:

- **States:** Tennessee Wildlife Resource Agency,
- **Wildlife Refuges:** Wheeler (AL), Clarks River (KY) and Tennessee Refuge Complex
- **Land Trust:** Tennessee River Gorge Trust
- **FWS Ecological Services:** Pennsylvania Field Office

Integrated DESIGN



Build CAPACITY