Computational Science for Natural Resource Managers
April 11–14, 2007
www.tiem.utk.edu/workshop07

University of Tennessee, Knoxville

Objectives
1) To introduce natural resource managers to modern computational science to enhance their ability to effectively manage natural systems.
2) Guide attendees in the process of design and construction of models for use in resource management and policy.
3) Provide an overview of the computational tools currently available for natural resource management.

Specific Topics Include
Spatial Data & Modeling
Extending GIS for Dynamical Problems
Linking Biological/Physical Models
Scenario Analysis for Policy Decisions
Wildlife Disease Management

Hands on Sessions
Software Tools
Introduction to Clusters and Grid Computing
Field Trip to Great Smoky Mountains National Park

Use of Models to Design & Plan Monitoring Systems, Particularly:
- Harvest Planning
- Fire Management
- Control of Invasives
- Water Management

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Applications Accepted Beginning November 2006

Workshop Sponsors at the University of Tennessee
Department of Ecology & Evolutionary Biology
Department of Computer Science

The Institute for Environmental Modeling
Department of Geography
Department of Mathematics