



Using Spatial Technology for Forestry and Other Natural Resource Applications



Longleaf Pine
Stand Dynamics
Laboratory

By

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Spatial Resources

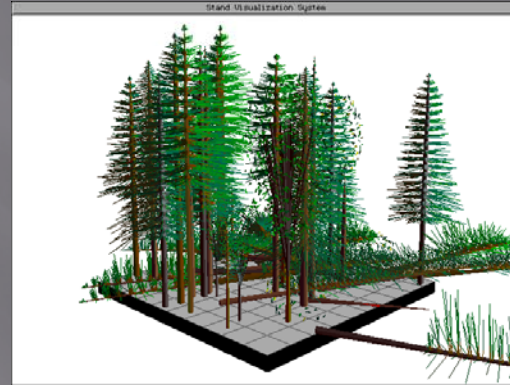
- ▣ Rapid expansion of technology
- ▣ GPS (Global Position System)
- ▣ GIS (Geographic Information System)
- ▣ Rule rather than the exception!

Spatial Opportunities

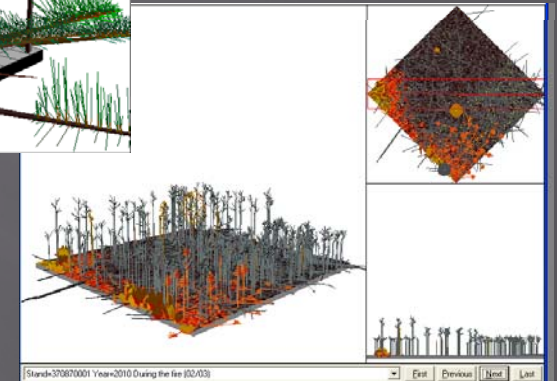
- ▣ Basic navigation
- ▣ Identify site and stand locations
- ▣ Utilize both tabular and spatial data
- ▣ Planning and management activities
- ▣ Tools often available online and free

3D Stand Simulations

- Forest Vegetation Simulator (FVS)
 - Growth and yield model



- Stand Visualization System (SVS)
 - Post processor
 - Produces a 3D stand



- CanVis
 - Image editing
 - Realistic simulations



Current Projects

- ▣ Longleaf Pine Stand Level GIS Database
- ▣ Short Course: Introduction to ArcGIS for Forestry and Other Natural Resource Applications (May 12-13, 2011)
- ▣ Brochure: Online Spatial Resources for Private Forest Landowners and Natural Resource Professionals (brochure coming soon)

Future Courses (TBA)

- ▣ Online Spatial Resources for Private Forest Landowners and Natural Resource Professionals (brochure and short course)
- ▣ Advanced Online Spatial Resources for Private Forest Landowners and Natural Resource Professionals

Future Courses (TBA) continued

- ▣ Advanced ArcGIS Applications with Vector Data for Forestry and Other Natural Resource Applications
- ▣ Introduction to GPS for Forestry and Other Natural Resources Applications
- ▣ Advanced GPS for Forestry and Other Natural Resource Applications

For More Information

- ▣ See handouts
 - Introduction to ArcGIS for Forestry and Other Natural Resource Applications
 - Future Courses (TBA)
 - Longleaf Pine Mapping Project

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Questions or Comments