

Appalachian Wood Energy Innovations Conference August 24 - 26, 2016

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Welcome
Thanks to NCSU Ext & CNC

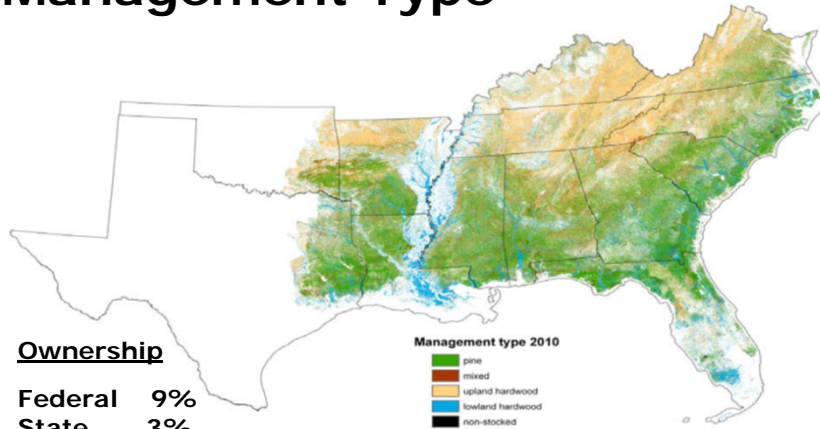
Supported by USDA FS Wood Innovations Grants

Conference Overview -

- Bring wood to energy stakeholders together
- Share wood to energy information...
 - Successes
 - Challenges
 - Opportunities
- Effort to help sustain healthy forests, economic viability of forestland & promote wood to energy



Management Type



Ownership

Federal	9%
State	3%
Local	1%
Private	87%

208 million acres of diverse & productive ecosystems; **GROWTH > REMOVAL**

Southern Forest Futures Project, Wear & Greis 3

What it Takes...

- Management Plan
- Forest Maintenance / Restoration
- Forest Management
- Outcomes / Benefits
 - Forest Products
 - Non-Forest Products / Ecosystem Services
- Markets



Skid, De-limb, Buck, Chip, Load & Haul 4

Working Forests...

- **Are fundamental to a strong economy and clean & healthy environment**
- **Provide continuous environmental & social benefits**
- **Provide goods & services, jobs, economic support to rural communities & revenue to forest owners**
- **Provide low carbon renewable energy that benefit climate change**
- **Are renewable / sustainable**

<http://nafoalliance.org/working-forests>

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Forest Management Outcomes...

- **Healthier Forests - thinning & prescribed burning**
- **Economic Gain - primary producer of timber products (US & world)**
- **Improved Wildlife Habitat - forests are productive, dynamic, & diverse**
- **Water quality - absorbs rainfall, refills aquifers, slows runoff, & reduces floods**
- **Recreation - open areas, trails & road access**

<http://www.southernforests.org/>

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Forest Management Outcomes...

- Renewable & energy-efficient building products
- Energy - surety & security
- Carbon - healthy, growing trees remove carbon dioxide from the atmosphere, release oxygen & store carbon in wood



<http://www.southernforests.org/>

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In summary...

- Working forests provide many benefits
- Overabundance of wood / lack of markets
- Wide range of forest products possible
- Woody biomass has it's place
- Wood to energy can be the best use of low value wood
- Need to identify opportunities to make that happen
- That's why we are here!

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Questions?



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Keeping Forests as Forests

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