

# **Center for Advanced Forestry Systems**

## ***Information and Update***

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# CAFS: What is it?

- An umbrella organization providing a mechanism to bring forestry research cooperatives together for:
  - *Enhanced research collaborations*
  - *Enhanced networking for members, university researchers, graduate students*
- Modest funding from the National Science Foundation—part of the NSF Industry-University Cooperative Research Center program

# CAFS History

- Took over from previous “center” in 2007, with four schools participating
  - *NC State, Virginia Tech, Purdue, Oregon State*
- Georgia, Maine, Florida, Washington added in 2009
- Idaho added in 2010
- Auburn added in 2014

# CAFS: Who are we?

- Forest Productivity Co-op (NCSU and VT)
- Forest Modeling Research Co-op (VT)
- PNWTIRC, TBGRC, CIPS (OSU)
- Hardwood Tree Improvement and Regeneration Center (PU)
- Plantation Management Co-op, Wood Quality Consortium (UGA)
- Cooperative Forestry Research Unit (U Maine)
- Stand Management Co-op (UW)
- Forest Biology Research Co-op, Cooperative Forest Genetics Research Program (UF)
- Intermountain Forest Tree Nutrition Cooperative, Inland Empire Tree Improvement Cooperative (U Idaho)
- Southern Forest Nursery Management Cooperative, Forest Health Co-op (Auburn)

Auburn Nursery Co-op  
2014 Advisory Meeting

# CAFS: How Does it Work?

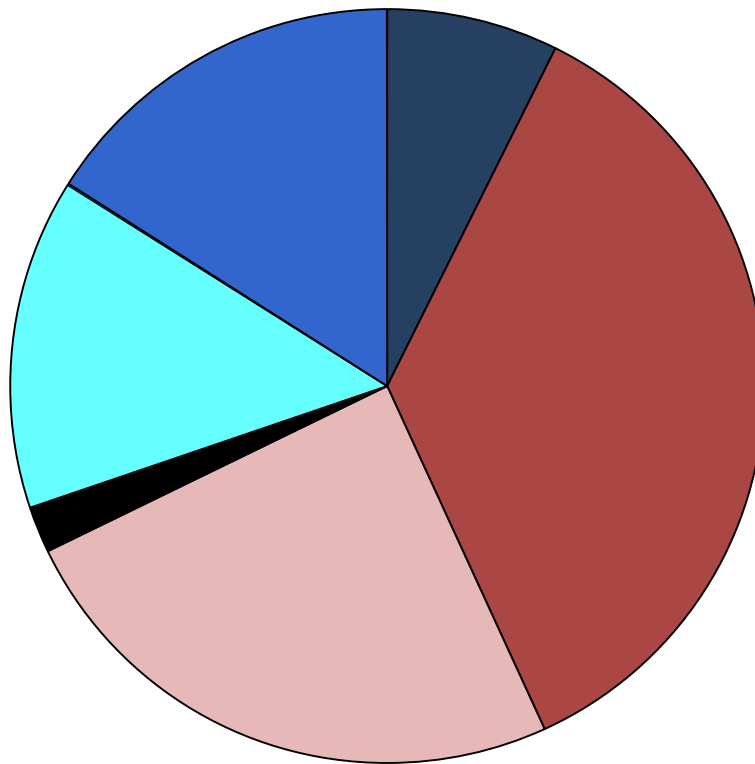
- The cooperatives remain independent—responding to their members' priorities
- University faculty propose projects for the additional NSF funds
- Project proposals are presented at the CAFS Annual Meeting
- Members at the meeting give immediate feedback
- All members vote to recommend funding

# CAFS Today

- **CAFS 2014 members**
  - 126 members in total
  - 46 full members (>\$25,000 annual co-op dues)
  - 80 associate members (>\$5,000 annual co-op dues)
  - Dues are totaled across all sites—some companies are members of multiple sites
  - No direct dues to “CAFS Central”

# Sources of CAFS Funds (2013-2014)

**Total of \$10.9 million including underlying Coop programs**



- NSF/IUCRC, \$804,120
- Member Dues, \$3,913,162
- Other Federal, \$2,692,861
- Non-Fed Government, \$215,000
- University, \$1,549,997
- Other, \$6,000
- In-Kind, \$

# CAFS Projects

- **About 45 completed or continuing projects**

*CAFS NSF funding, at least in part*

- **10 new proposals pending**

# CAFS Research Areas

- Genetics—biotech and “conventional”
- Silviculture
- Growth/yield and process modeling
- Wood quality
- Nursery production
- Forest health
- *And combinations of the above*

# CAFS Supplemental Funding

- REUs, REVs, RETs
- Fundamental Research grants

N15 research on fertilizer fate—VT, PU, UW, NCSU

*Same design in loblolly pine, Douglas-fir, walnut*

*Can minimize volatilization*

*Little leaching*

*Work underway to map uptake and fate within trees*

- New submission this year on understanding the role of competition in G&Y modeling

# CAFS—Where to From Here?

- **Incremental value to individual programs**
- **Greater opportunity**
  - Collaborating across programs*
  - Collaborating across disciplines*
  - Collaborating across species/regions*
- **What would we not be able to do otherwise?**
- **Local input and support is very important**
- **This is YOUR CENTER**
- **Come to CAFS Annual Meeting May 19-21, Asheville, NC**