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Forest-Based Bioenergy Community of Practice and Other Educational Resources





An Internet-based educational partnership of the 74, 1862 and 1890 institutions of the Land-Grant university system that helps people improve their lives by providing access to objective research-based information and learning opportunities.



Community of Practice (CoP)

- Loosely coupled group of practitioners who work and learn together around a certain broad topic over an extended period of time
- Operates on the basis of joint interest, spontaneous interaction, and mutual development
- The site to collaboratively generate educational products to serve their designated Communities of Interest



Community of Interest (CoI)

- Four interest groups or clientele
 - General public, individuals and communities, who are seeking quality information on forest-based bioenergy opportunities.
 - Extension educators looking for a reliable resource to help them respond to client needs.
 - Professional forest resource managers, such as researchers, USDA Forest Service, state forestry professionals and private forestry consultants.
 - Policy makers and legislators who need viable and accurate information to serve their constituents.



Forest-Based Bioenergy (FBB) CoP Mission

- Assess the current state of the industry
- Assist with the complex dissemination of forest-based bioenergy and bio-products information
- Create and maintain the primary system that will continuously track new advancements and information
- Support the needs of individual producers and users as well as local, state, regional and national resource planning professionals
- Continuously improve the CoP



The FBB CoP Includes

- Extension educators
- Faculty members
- Researchers
- Private industry
- Government agencies
- NGOs
- Not only forestry professionals, but
 - Engineering professionals
 - Rural economic development practitioners
 - Conservation groups
 - Renewable energy groups.
- **We invite all of you to join and participate**



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Scope of Work

- Information pages (wiki pages)
- Frequently Asked Questions (FAQs)
- Ask the Expert
- Curriculum – Moodle Learning Modules



FBB CoP Content Outline

- General
 - Impact on nation's dependency on foreign oil
 - Basic Terms and Concepts on Energy
 - Common Concerns
 - Comparing Wood and Fossil Fuels
 - Understanding Potential of Forest-based biomass
 - The nation's forest biomass resource
- Environmental
 - Climate Change
 - Environmental Impacts
 - Impacts on Air, Water, Habitat Quality
 - Sustainability
 - Benefits and Challenges
 - Increasing Demand and Uses of Forest
- Economics
 - Economic Impacts
 - Sources and Supply
- Policies and Incentives
 - Federal
 - State



FBB CoP Content Outline

- Resource Management
 - Forest management
 - Harvesting
 - Transporting
 - Processing
- Utilization and Conversion Technologies
 - Competing uses for forest products
 - Analyses of Technologies
- Community Development
- WUI Issues
- Case Studies
- Resources
 - Biomass Models
 - Units of Measure & Conversion tables
 - Glossary or Terms
- Frequently Asked Questions
- Ask an Expert
- Moodle Learning Modules



navigation

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What is Woody Biomass

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What is Woody Biomass?

To understand woody biomass, one must first understand [biomass](#). Woody biomass is the accumulated mass, above and below ground, of the roots, wood, bark, and leaves of living and dead woody shrubs and trees. Woody biomass can be used for heat, power, and electricity generation; biofuels production; and biochemicals production (e.g., adhesives, solvents, plastics, inks, and lubricants). Wood; wood residue and byproducts; and bushes, shrubs, and fast-growing trees, grown specifically for energy, are all considered woody biomass. The principle sources for woody biomass in the United States are:

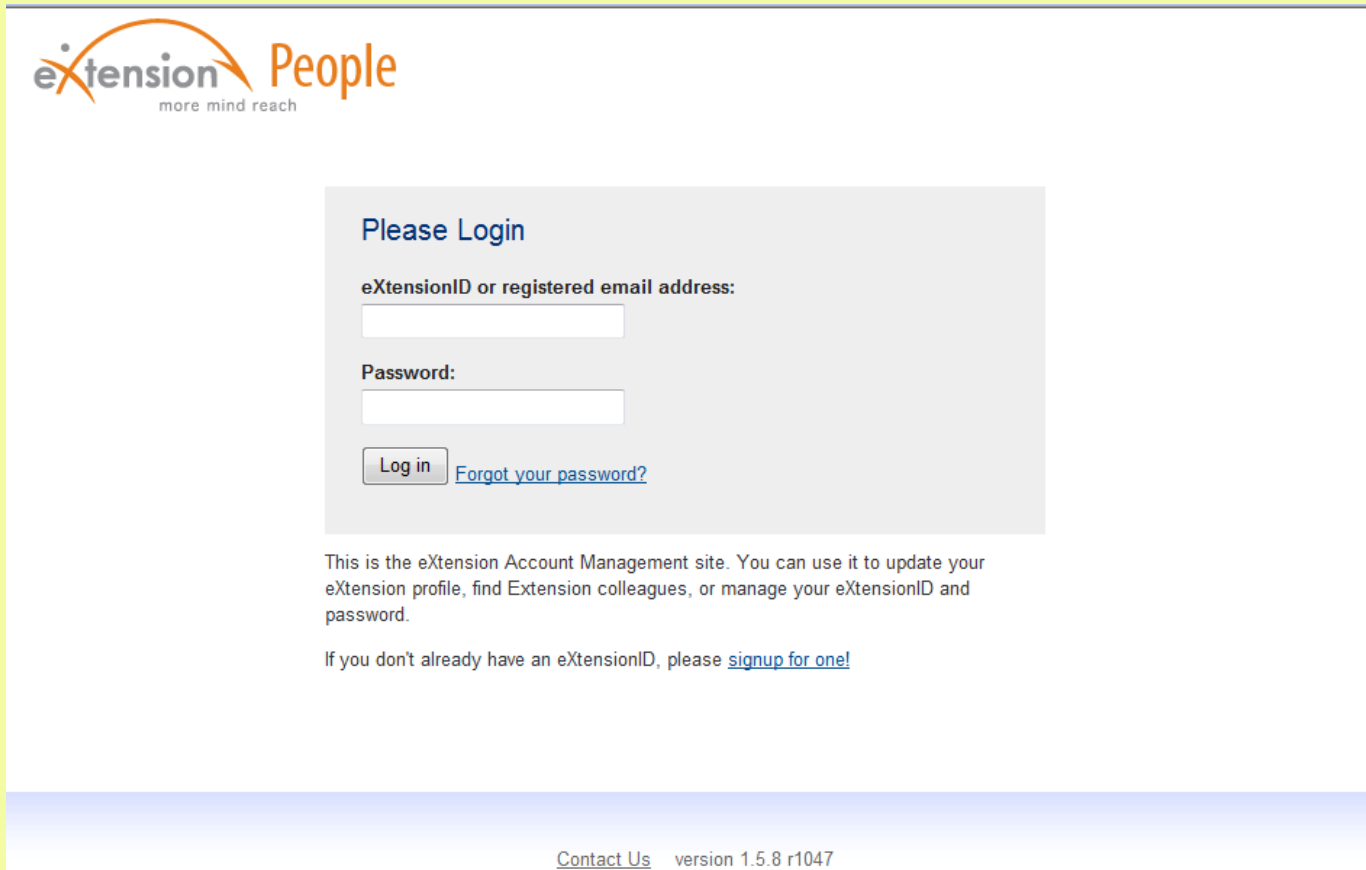
- [Harvesting and Other Residues](#)
- [Forest Health Improvement](#)
- [Waste and Debris](#)
- [Processing Residues](#)
- [Short Rotation Woody Crops](#)
- [Fuelwood](#)
- [Chaparral](#)
- [Orchard Trimmings](#)

Sample Wiki Page

See Also

How to Join

- Go to <https://people.extension.org> and create an eXtensionID



The screenshot shows the login interface for the eXtension People website. At the top left is the logo for "eXtension People" with the tagline "more mind reach". The main content area is a light gray box titled "Please Login". Inside this box, there are two input fields: "eXtensionID or registered email address:" and "Password:". Below the password field is a "Log in" button and a link for "Forgot your password?". Below the login box, there is a paragraph of text explaining the site's purpose and a link for users who do not have an eXtensionID. At the bottom of the page, there is a footer with a "Contact Us" link and the version number "version 1.5.8 r1047".

eXtension People
more mind reach

Please Login

eXtensionID or registered email address:

Password:

[Forgot your password?](#)

This is the eXtension Account Management site. You can use it to update your eXtension profile, find Extension colleagues, or manage your eXtensionID and password.

If you don't already have an eXtensionID, please [signup for one!](#)

[Contact Us](#) version 1.5.8 r1047

How to Join the FBB CoP

- On the CoP Community Home page, locate the page for CoP membership. There you will find the leadership contact information for the CoP.
- Send an email to the leadership of the CoP you wish to join.
- Add your name and contact information on the CoP membership page.
- Go to <http://cop.extension.org/wiki/Training> and select Creating a User Page in the eXtension Wikis to add your information.
- Go to <http://cop.extension.org/wiki/Training> to learn how to work in the CoP wiki.



Other Woody Bioenergy Educational Resources We Have Created

- Encyclopedia of Southern Bioenergy
www.forestencyclopedia.net
- Forest Bioenergy Web Portal
www.forestbioenergy.net
- Wood For Energy
www.interfacesouth.org/

Archive of Expanded Slideshow

- <http://www.forestbioenergy.net/presentations>
- WoodyBUG Working Group Presentation

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