Why partner with us?

- **Sustainable practices, renewable materials and strong record of environmental responsibility**
- **Demonstrated core competencies in biomass generation, total utilization and value extraction**
- **Proven collaboration experience across business units and with third parties**

RECENT ALLIANCES

Catchlight Energy, LLC.

A 50-50 joint venture between Weyerhaeuser and Chevron Corporation will be focused on developing the next generation of renewable transportation fuels from nonfood sources.

Weyerhaeuser Lenzing Collaboration

Lenzing, the world market leader in cellulose staple fibers, and Weyerhaeuser, will work together on the development of novel lyocell-based nonwoven fabrics.

Dow Jones Sustainability Indexes
Member 2010/11

SUSTAINABLE FORESTRY INITIATIVE
Certified Sourcing
www.sfiprogram.org

Weyerhaeuser

CONTACT INFORMATION

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OPEN INNOVATION
AT WEYERHAEUSER

Weyerhaeuser will release the potential in trees to solve important problems for people and the planet

TECHNOLOGY ALLIANCES

06/2011

WEYERHAEUSER IS INTERESTED IN
TECHNOLOGY COLLABORATION OPPORTUNITIES

TIMBERLANDS

Forest safety

Forest & biomass management
- Precision forestry applications
- Fertilizer technologies
- Silviculture
- Remote sensing
- Breeding, evaluation & selection
- Biomass harvesting, production & logistics systems
- Biological process modeling
- Biometrics
- Impact of wildfire

Plant propagation
- Cryopreservation
- Somatic embryogenesis
- Forest and other biomass species germplasm
- Seedling stocktypes & nursery practices
- Forest and nursery pathology
- Manufactured seed

Environmental sustainability & certification
- Watershed management
- Biodiversity
- Slope stability assessment
- Soil carbon & compaction
- Carbon dioxide soil flux sensing
- Life cycle analysis
- Carbon sequestration
- Hydrology

WOOD PRODUCTS

Building technologies
- Improve structural connections & optimize structural integrity
- Reduce the energy consumptions of the residential home utilizing wood product solutions
- Green/benign chemicals for wood adhesives
- Methods to detect wood imperfections using optics, audio, x-ray or other methods at high rates of detection
- Fire retardant
- Insect resistant

Wood composites
- Structural
- Dimensional stability
- Emissions resistant
- Formaldehyde free

Engineered wood solutions

Adhesives development

Wood-chemical interactions

Hydration of harvested/dried/processed plant tissue

Design & use of wood framing in construction

Advancements in lumber & venner break-down, drying and grading

Non-destructive evaluation of structural wood components

Processes to improve wood performance in structural applications

CELLULOSE FIBERS

Absorbent applications

Modifications of cellulose

Cellulose derivatives

High tech cellulose fibers

Nanocellulose

Lignin-based materials

Cementatious compounds

Composites applications
- Fiber reinforced
- Absorbent

Textile applications

Plastics from cellulose

Manufacturing effectiveness

Food packaging applications
- Liquid packaging board
- Coffee/noodle cups