



Forest Certification and Wood-Based Bioenergy

Pinchot Institute's Forest Bioenergy Workshop

September 18th, 2007



SUSTAINABLE FORESTRY INITIATIVE

Good for you. Good for our forests.

The New SFI

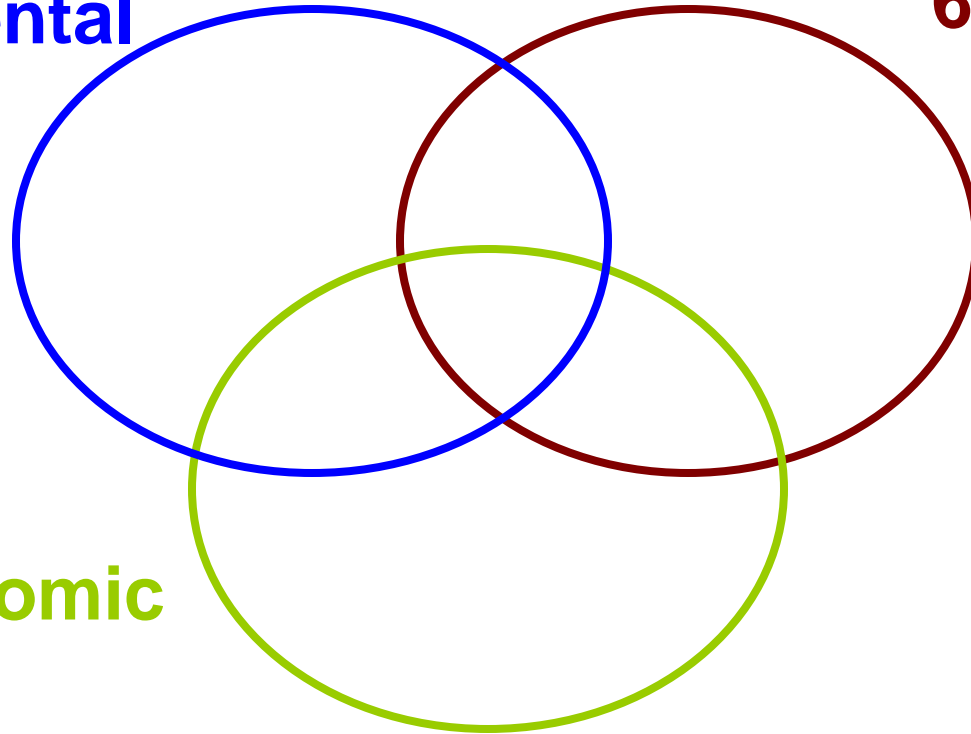
Independent Governance

501 c3 non-profit, charitable status

6 Environmental

6 Social

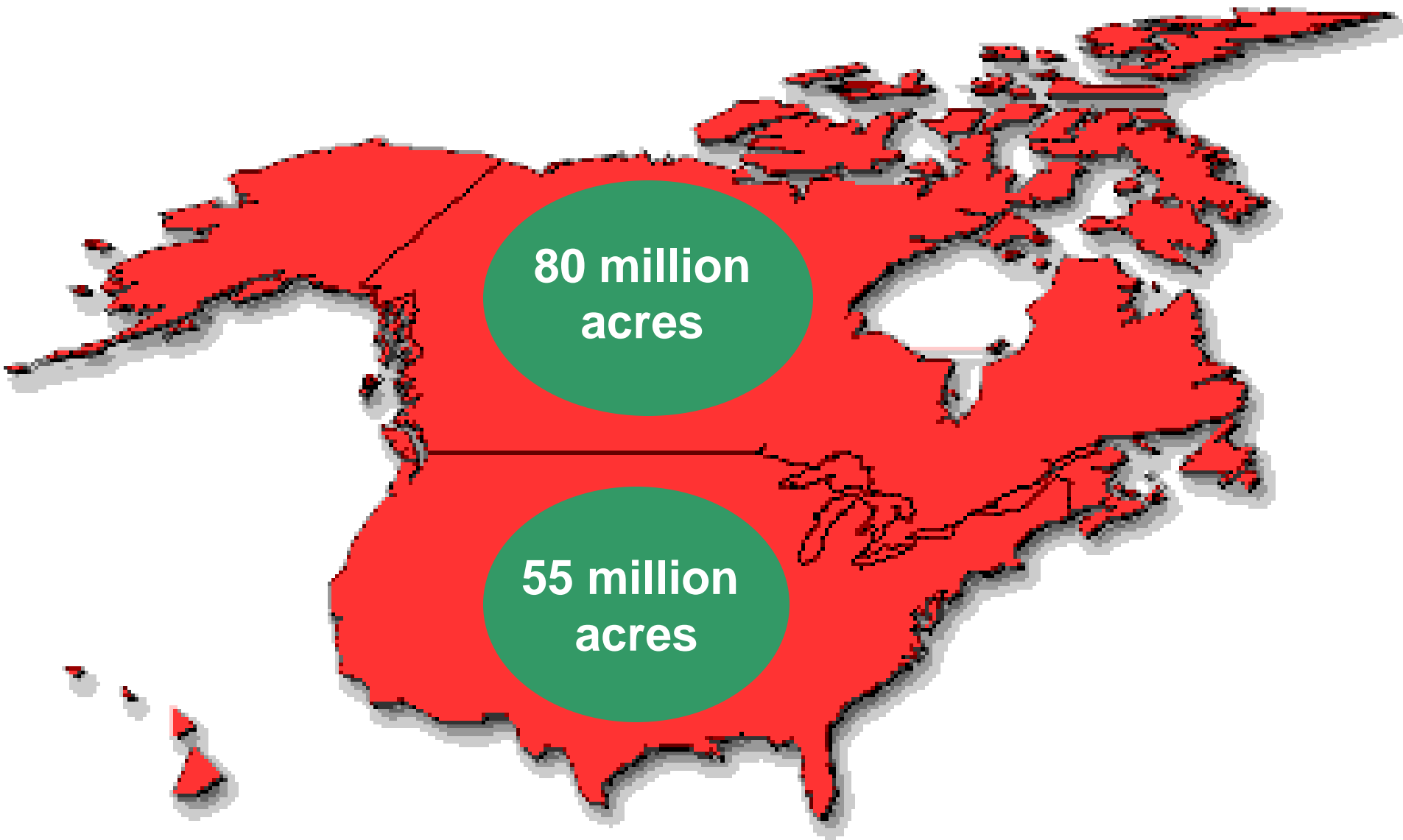
6 Economic



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SFI: Most Widely Applied North American Standard



SFI Chain of Custody

- Over 50 SFI COC's
- Represents over 220 facilities
- Increase by 90% since 2006
- Major manufactures, merchants and printers



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Sustainable Forestry Initiative Standard (SFIS)

- **Objectives (13)**
 - Fundamental goal of SFM
- **Performance Measures (34)**
 - Means of judging if objectives being met
- **Indicators (103)**
 - Mandatory, specific measures used to assess conformance



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SFI Forest Management Standard

- Manage the quality and distribution of wildlife habitats and contribute to the conservation of biological diversity by developing and implementing stand and landscape-level measures that promote habitat diversity and the conservation of forest plants and animals.
- Plans to locate and protect known sites associated with viable occurrences of critically imperiled and imperiled species communities.
- Protection of Biodiversity, Wildlife and Aquatic Habitats
- Identify special sites and manage them in a manner appropriate for their unique features, including ecologically, geologically, historically or culturally important sites.
- Prompt Reforestation
- Education, Outreach, and Training
- Social Issues
- [Efficient Utilization](#)
- Procurement
- Continual Improvement
- 3rd party accredited certification audit
- CoC to track the certified, recycled, and uncertified content in the product



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Today - Tomorrow

- Today SFI 2005-2009 says re: efficient use of forest resources:
 - Program or monitoring systems to ensure efficient utilization, which may include provisions to ensure...
 - *residues distributed to add organic and nutrient value to future forests*
 - *Training or incentives to encourage loggers to enhance utilization*
 - *Cooperation with mill managers for better utilization of species and low-grade material*
 - *Merchandizing of harvested material to ensure use for its most beneficial purpose*
 - *Development of markets for underutilized species and low-grade wood*
 - *Exploration of alternative markets (eg, energy markets)*
- Tomorrow SFI 2010-2014 will say?



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Science Based Standard

- Collaborative projects with academia, ENGOs and other scientists
 - Landscape assessments and conservation planning
 - Natureserve
 - Invasive species
 - Biodiversity Hotspots & Major Tropical Wilderness Areas
 - Best management practices to protect water quality
- SFIS on a 5-year review cycle
 - 2010-2014 review begins in June 2008



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SFI Standard Review

- Carbon (recognize role of forest management)
 - Kyoto
 - CCX
 - CCAR
 - RGGI
- Forest-Based Biofuels
 - Will growth in demand for biomass energy lead to stronger demand for small trees including thinnings?
 - How will biomass energy policies affect agricultural and forestry use?



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Are We There Yet?

- Further than other product streams such as agriculture in terms of 3rd party certified green source of supply
- Wood fibre, renewable, powered by solar energy, carbon sequestration during growth and energy-efficient extraction
- Are we a model to be used?
- Are we a model to improve our thinking about one slice of the bioenergy pie.



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Questions to consider

- What are the critical biomass energy issues in the agricultural, energy, forest sectors?
- How do these issues interact across sectors?
- How do we ensure policy makers acknowledge the role of well-managed, certified forests for carbon, for bio-energy?
- How do we assign values today to ensure the future of our forests tomorrow?



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Sustainable Forestry Initiative



Sustainable Forest Management for North America



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