

Forest Certification Systems: *History & Current Trends*

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www.dovetailinc.org



Overview

- Forest Certification Background & History
- Forest Certification Systems
- Trends in Forest Certification



Introduction to Dovetail Partners

Dovetail Partners' mission is to develop unique concepts, systems, programs, and models to foster sustainable forestry and catalyze responsible trade and consumption.

www.dovetailinc.org



Why are Forests so Important?



- *Clean Water*
- *Clean Air*
- *Wildlife Habitat*
- *Recreation*
- *Hunting*
- *Aesthetics*

Why are Forests so Important?



- *Wood & Building Supplies*
 - *In total, each of us consumes about 80 cubic feet of wood each year, an amount equivalent to a tree 1.5 feet in diameter and more than 103 feet tall.*
- *Paper & Packaging*
 - *Americans use an average of 700 pounds of paper products per person each year*
 - *More than 2 billion books, 350 million magazines, and 24 billion newspapers are published in the US annually.*

Why the Concern about Forestry?



- *Pollution*
- *Waste*
- *Loss of habitat*
- *Negative visual impacts*
- *Loss of special areas*
- *Negative social impacts*
- *Conflicts over management decisions*

What is Sustainable Forestry?



- *Environmentally Responsible*
- *Socially Acceptable*
- *Economically Viable*

What is Forest Certification?

forest certification : A procedure to assess the quality of forest management in relation to the criteria of a forest management standard.

Why Certify?

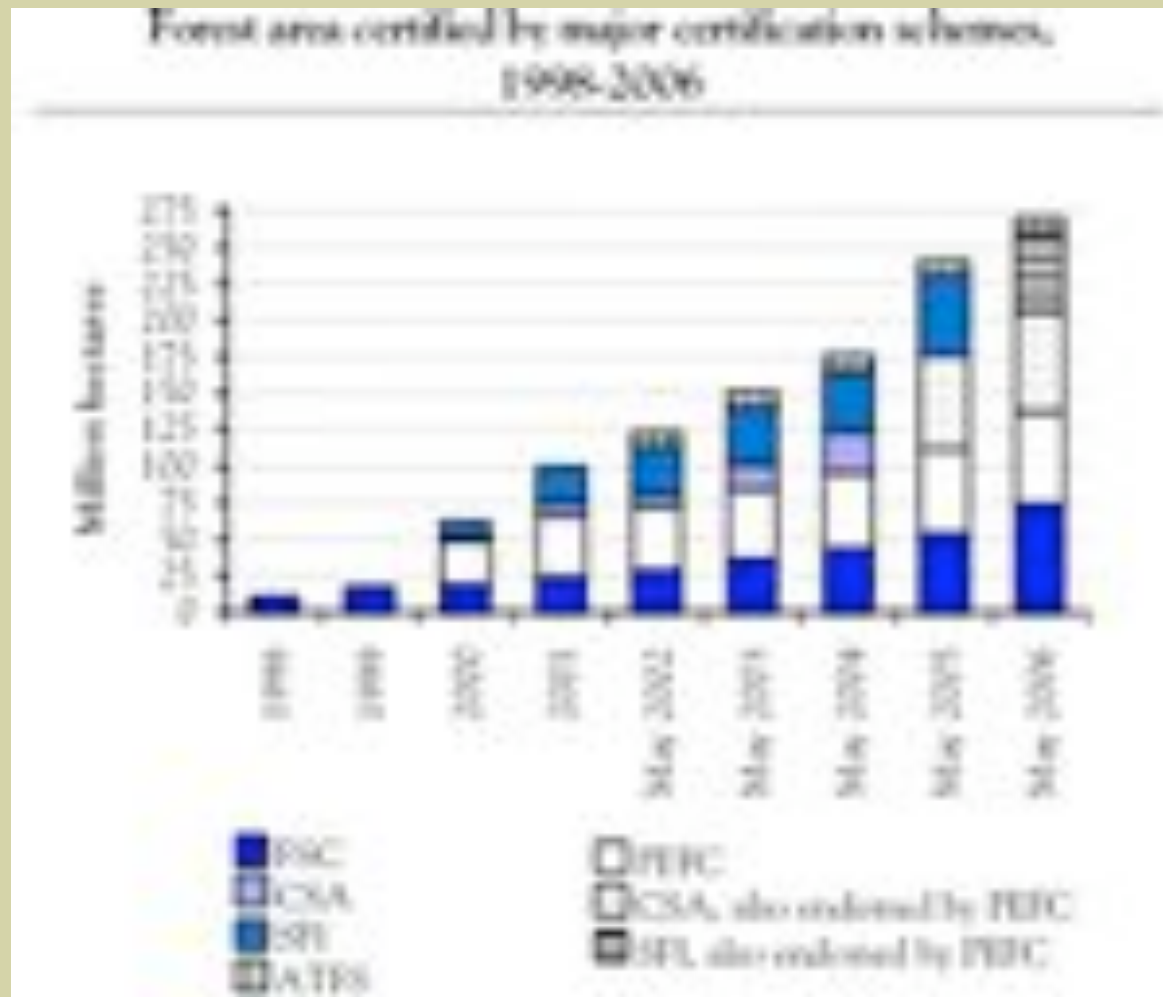
- *Independent assurance of responsible management*
- *Takes guesswork out of “sustainability”*
- *Alternative to boycotts or gov’t regulation*
- *Market incentive for stewardship*
- *Address complex social, environmental and economic issues*
- *Build consensus*
- *Protect diverse natural resources*
- *Preserve high conservation value forests*
- *Create long-term values and incentives for forest retention*
- *Influence behavior of forest managers and landowners*
- *Convene diverse interests and stakeholders*
- *Reward good forest management*

Forest Certification: Past, Present & Future

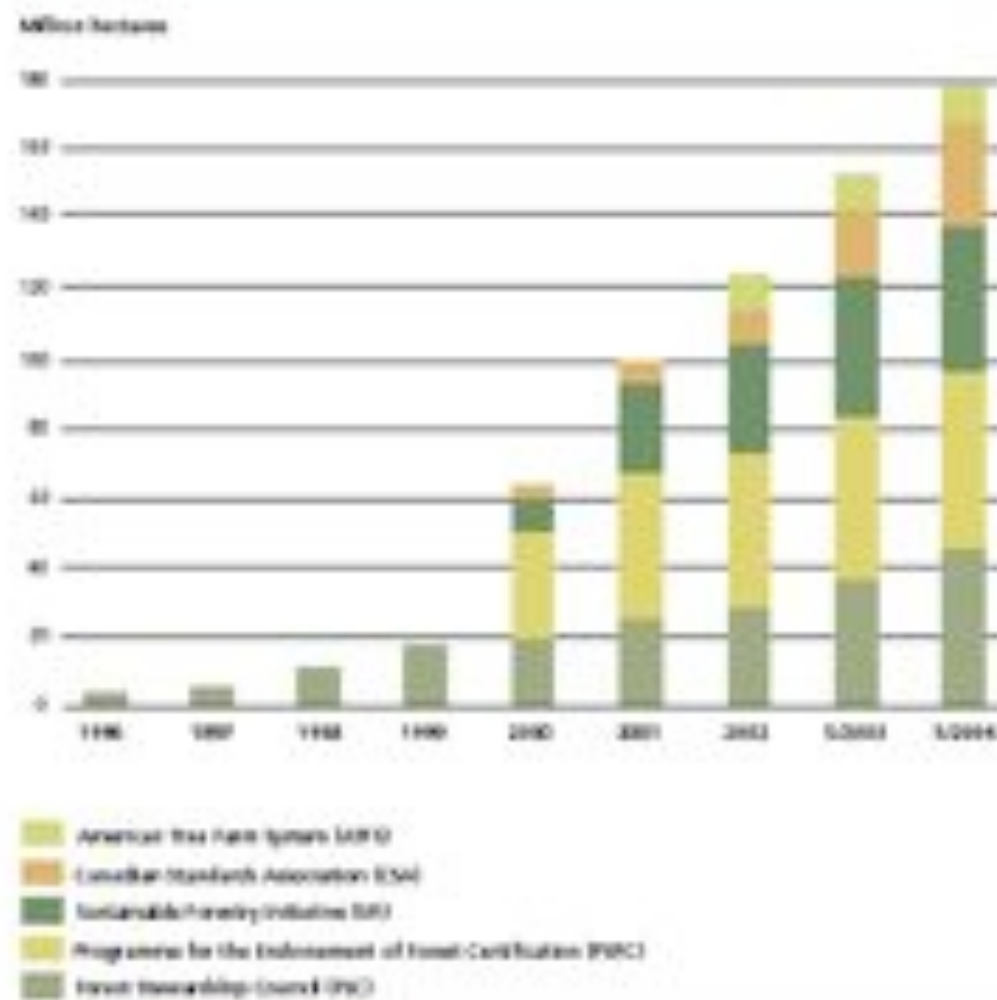
- *Initiated in early 90's*
- *About 7% globally*
- *SFI, FSC, CSA, PEFC, ATFS, ISO*
- *Demands from environmental interests*
- *Demands from paper purchasers*
- *Demands from green building programs*



Certified forest area increased by 12% from 2005, reaching 270 million hectares by mid-2006, which is 7% of the global forest area. (UNECE/FAO Forest Products Annual Market Review, 2005-2006).



Area of certified forest, 1996-2004



From: *Forest 2004 and 2004 in brief*
 Source: FAO (2004), 2004

Certified Area (million acres)

	May 2004	December 2006
ATFS	30	33
CSA *	100	178
SFI *	93	136
PEFC *	114	472
FSC	103	195
TOTAL	440	1014

* Mutually recognized programs



Sustainable Forestry Initiative

Overview:

- *AF&PA, 1994, Sustainable Forestry Board 2000*
- *136 million acres third-party certified in the US & Canada*
- *PEFC endorsed*
- ***www.aboutsfi.org***

SFI Principles for Sustainable Forestry

1. Sustainable Forestry
2. Responsible Practices
3. Reforestation & Productive Capacity
4. Forest Health & Productivity
5. Long-term Forest & Soil Productivity
6. Protection of Water Resources
7. Protection of Special Sites & Biological Diversity
8. Legal Compliance
9. Continual Improvement



Sustainable Forestry Initiative® (SFI) Standard 2005–2009 Edition

Objective 1. To broaden the implementation of sustainable forestry by ensuring long-term harvest levels based on the use of the best scientific information available.

Performance Measure 1.1. Program Participants shall ensure that long-term harvest levels are sustainable and consistent with appropriate growth-and-yield analysis and written plans.

Indicators:

1. A long-term resource analysis to guide forest management planning at a level appropriate to the size and scale of the operation, including
 - a. a periodic or ongoing forest inventory;
 - b. a land classification system;
 - c. soils inventory and maps, where available;
 - d. access to growth-and-yield modeling capabilities;
 - e. up-to-date maps or a geographic information system (GIS);
 - f. recommended sustainable harvest levels; and
 - g. a review of timber issues (e.g., pilot projects and economic incentive programs to promote water protection, carbon storage, or biological diversity conservation).
2. Documentation of annual harvest trends in relation to the sustainable forest management plan.
3. A forest inventory system and a method to calculate growth.
4. Periodic updates of inventory and recalculation of planned harvests.
5. Documentation of forest practices (e.g., planting, fertilization, and thinning) consistent with assumptions in harvest plans.

Objective 7. To promote the efficient use of forest resources.

Performance Measure 7.1. Program Participants shall employ appropriate forest harvesting technology and "in-woods" manufacturing processes and practices to minimize waste and ensure efficient utilization of harvested trees, when consistent with other SFI Standard objectives.

Indicator:

1. Program or monitoring system to ensure efficient utilization, which may include provisions to ensure
 - a. landings left clean with little waste;
 - b. residues distributed to add organic and nutrient value to future forests;
 - c. training or incentives to encourage loggers to enhance utilization;
 - d. cooperation with mill managers for better utilization of species and low-grade material;
 - e. merchandising of harvested material to ensure use for its most beneficial purpose;
 - f. development of markets for underutilized species and low-grade wood;
 - g. periodic inspections and reports noting utilization and product separation; or
 - h. exploration of alternative markets (e.g., energy markets).



Forest Stewardship Council

Overview

- 1993, International, 1995 in US, 614 members
- 195 million acres in 74 countries (852 certificates)
- 22.6 million acres in US
- Group certification for family forests, Resource Manager certification, Family Forest Program
- **www.fscus.org**

FSC Principles

1. *Compliance with laws*
2. *Tenure and use rights and responsibilities*
3. *Indigenous Peoples' rights*
4. *Community relations & worker's rights*
5. *Benefits from the forest*
6. *Environmental Impact*
7. *Management Plan*
8. *Monitoring and Assessment*
9. *Maintenance of High Conservation Value Forests*
10. *Plantations*

Principle

Criteria

Indicator

Verifiers

PRINCIPLE #1: COMPLIANCE WITH LAWS AND FSC PRINCIPLES

Forest management shall respect all applicable laws of the country in which they occur, and international treaties and agreements to which the country is a signatory, and comply with all FSC Principles and Criteria.

1.1. Forest management shall respect all national and local laws and administrative requirements.

1.1.a. Forest management plans and operations comply with applicable Federal, state, county, tribal, and municipal laws, rules, and regulations.

For example:

- All necessary permits are obtained.
- There is neither evidence nor substantial claims of continued or intentional non-compliance with laws and regulations that relate to forest management by the forest owner or manager.

Revised Final Regional Forest Stewardship Standard

for the

Lake States-Central Hardwoods Region (USA)

Version LS V3.0
February 10, 2005

Lake States Working Group
of the
Forest Stewardship Council – US

Approved by FSC-US Board, February 7, 2002
Accredited by FSC International August 5, 2002

Modified 10/4/04 for FSC-IC condition report ABU-REP-34-2003-09-16-US-LS.doc
Modified 11/16/04 for FSC-IC condition report ABU-REP-34-2004-11-03-US-LS.pdf
Modified 2/10/05 for FSC-IC condition report ABU-REP-34-2005-02-04-US-LS.pdf

PRINCIPLE #7: MANAGEMENT PLAN

A management plan – appropriate to the scale and intensity of the operations -- shall be written, implemented, and kept up to date. The long-term objectives of management, and the means of achieving them, shall be clearly stated.

7.1. The management plan and supporting documents shall provide:

- a) Management objectives.
- b) Description of the forest resources to be managed, environmental limitations, land use and ownership status, socio-economic conditions, and a profile of adjacent lands.
- c) Description of silvicultural and/or other management systems, based on the ecology of the forest in question and information gathered through resource inventories.
- d) Rationale for rate of annual harvest and species selection.
- e) Provisions for monitoring of forest growth and dynamics.
- f) Environmental safeguards based on environmental assessments.
- g) Plans for the identification and protection of rare, threatened and endangered species.
- h) Maps describing the forest resource base including protected areas, planned management activities and land ownership.
- i) Description and justification of harvesting techniques and equipment to be used.



American Tree Farm System

Overview

- 1941, new standards and group certification in 2002
- 33 million acres and 51,000 landowners in 46 states
- 9 group certificates, more than 3 million acres
- Recognized by SFI
- Group Certification, Lead Auditor Training
- **www.treefarmssystem.org**

AFF Standards

1. *Ensuring Sustainable Forests*
2. *Compliance with laws*
3. *Commitment to practicing sustainable forestry*
4. *Reforestation*
5. *Air, water & soil protection*
6. *Fish, wildlife & biodiversity*
7. *Forest aesthetics*
8. *Protect special sites*
9. *Wood fiber harvest & other operations*

Standards of Sustainability For Forest Certification

Including Performance Measures and Field Indicators

Adopted December, 2002
(To Be Implemented 2004) **Standards of Sustainability for Forest Certification On Private Lands**

Standard 1: Ensuring Sustainable Forests

The American Forest Foundation's (AFF) Standards of Sustainability promote the growing of renewable forest resources on private lands while protecting environmental benefits and increasing public understanding of all benefits of productive forestry.

Performance Measure 1.1

Qualified forest owners must comply with AFF's Standards of Sustainability. American Tree Farm System (ATFS)'s volunteer network of accredited, qualified natural resource managers will conduct field verification of landowner conformance.

Indicators 1.1.1

An accredited Tree Farm Inspector must inspect qualified properties to assure conformance with AFF's standards of sustainability.

Indicator 1.1.2

Tree Farm inspectors will audit certified properties every five years. Properties that fail to meet AFF's standards and guidelines will be decertified. [Landowners may seek review of decertification decisions through ATFS's formal dispute resolution process.]

Other Certification Programs

- *Canadian Standards Association, SFM*
 - www.csa.ca
- *Programme for the Endorsement of Forest Certification Schemes*
 - www.pefc.org
- *ISO*
 - www.iso.org



Certification Structure

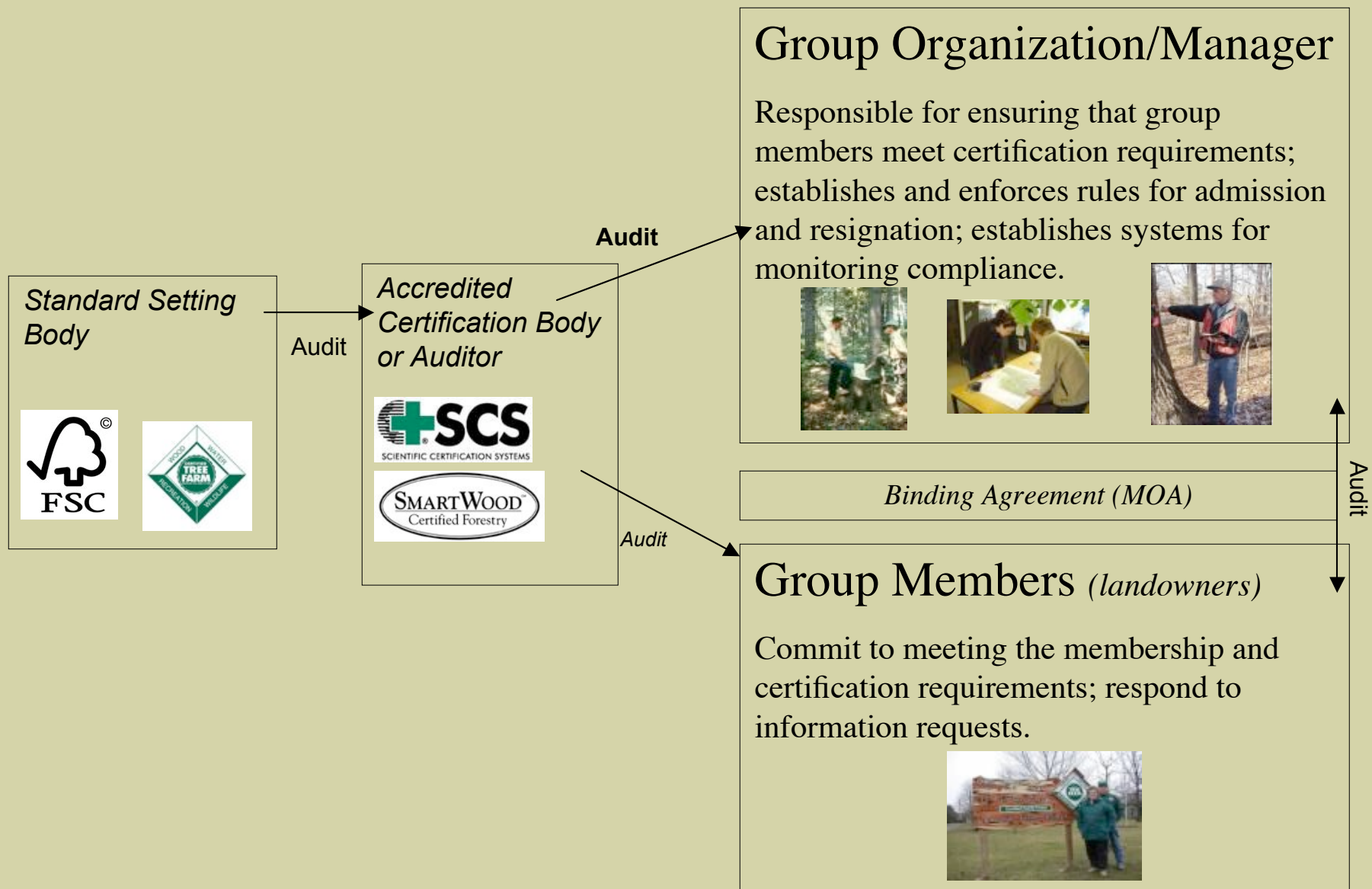


Forest Certification Trends

- *Family Forest Certification*
- *Marketplace Developments*



Group Certification Structure



Certification for Family Forests

- **Group Certification**
- **Logger Certification**
- **Regional Certification**
- **Regional Management Planning**
- **Community Forests**
- **Harvest Certification**
- **Procurement and Controlled Wood Verification**

Bottom Line: *Certification for private lands is an area of increased attention and innovation*



The Marketplace

Paper Markets

- *Coca-Cola Company, Disney, and Tiffany Company print Annual Reports on FSC-certified paper*
- *Kinko's has stocked FSC-certified paper since 2003*
- *Time Inc. demanded 80% Certified Fiber by Dec. 31, 2006*
- *17+ Paper Merchants are FSC Chain-of-Custody Certified*
- *31+ Printers are FSC Chain-of-Custody Certified*
- *First SFI CoC Printer (Pictoral Offset Corporation)*

Green Building Markets

- *GreenGlobes being introduced to the US*
- *USGBC - LEED-NC Standard*
 - *More than 300 buildings have been LEED certified, more than 2,000 in process*
 - *LEED-Homes Standard currently being piloted*



Claymark
1112 BLOC BOIS FSC
820004 100050
FSC
www.fsc.org Cert. No. SA-COC-1511
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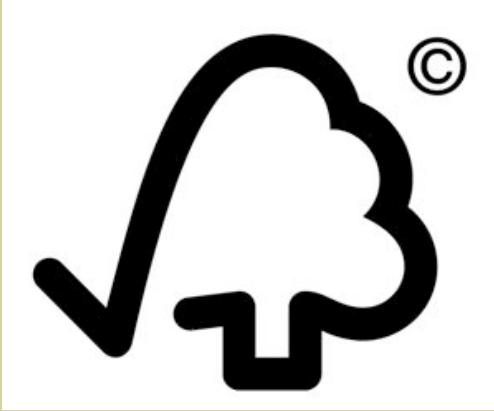
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The FSC Marketplace

- *\$5 billion dollar market for FSC products*
- *UK sales of FSC products in 2004: \$1.7 billion*
- *12% of the Dutch timber market - \$420 million*
- *25% increase in FSC Chain-of-Custody Certificates each of past 2 years*
- *Doubling of FSC certified lands in past two years*
- *Demand exceeds supply by at least 10 million cubic meters of round wood hardwood*
- *Home Depot sold \$250 million worth of FSC in 2002 (up from \$15 million in 1999)*
- **In a 2004 survey, 33% of Dutch consumers “spontaneously” recognize and identify the FSC label**



Dat is het FSC!

Conclusions

Certification offers an opportunity to make forestry & forest products part of the solution



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