



100%

From well-managed forests

www.fsc.org Cert no.SGS-COC-2356 © 1996 Forest Stewardship Council







SAVE A TREE-GO DIGITAL.

http://blog.heritagemakers.com/wp-content/uploads/2008/04/environment-blog-image1.jpg

Greenwash

- Is 100% recyclable

Features a new label that's 30% smaller

 Is made with 30% less
plastic than the average half liter bottle*

- Easy to carry

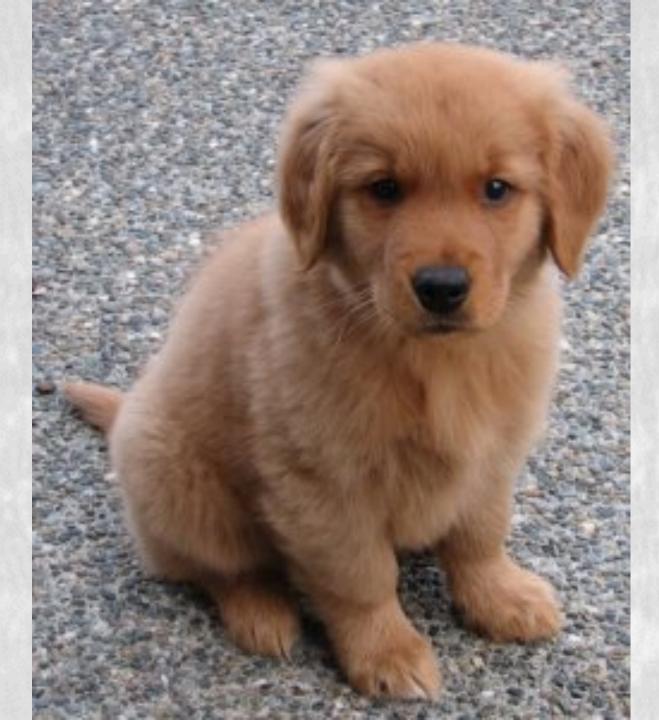
Is flexible so it's easier to crush for recycling

Quiz

1. The amount of wood we use each day is 4. From 1950 to 2000, the forests in the US... about

- a) One toothpick
- b) One popsicle stick
- c) One baseball bat
- d) One '2 by 4'
- e) One tree
- 2. The biggest user of wood is
 - a) United States
 - b) China
 - c) Russia
 - d) Brazil
- 3. The biggest source of wood is
 - a) United States
 - b) China
 - c) Russia
 - d) Brazil

- a) Decreased by 1/3
- b) Decreased by 13%
- c) Stayed the same
- d) Increased by 13%
- e) Increased by 1/3
- 5. Globally, deforestation...
 - 1. Is increasing
 - 2. Is decreasing
 - 3. Is staying the same
 - 4. Isn't happening

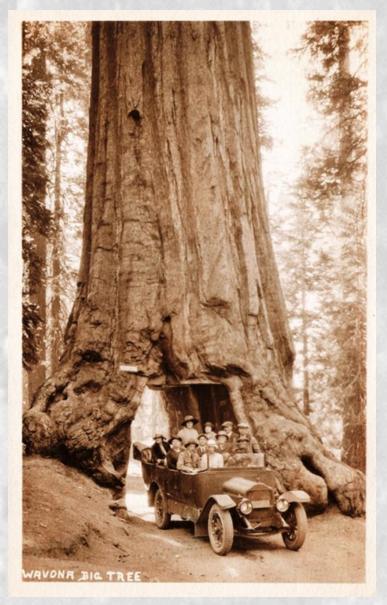


www.lr.org

Holistic concerned with complete systems

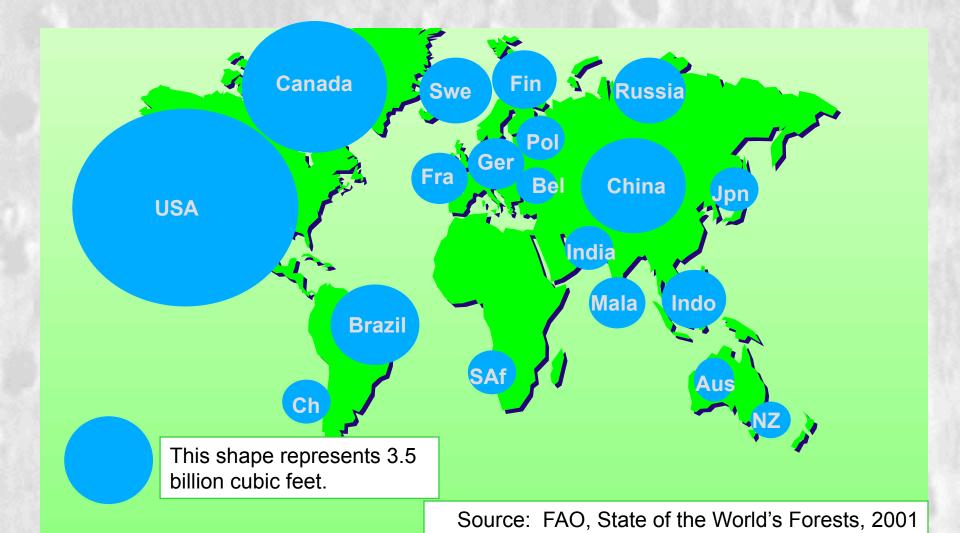


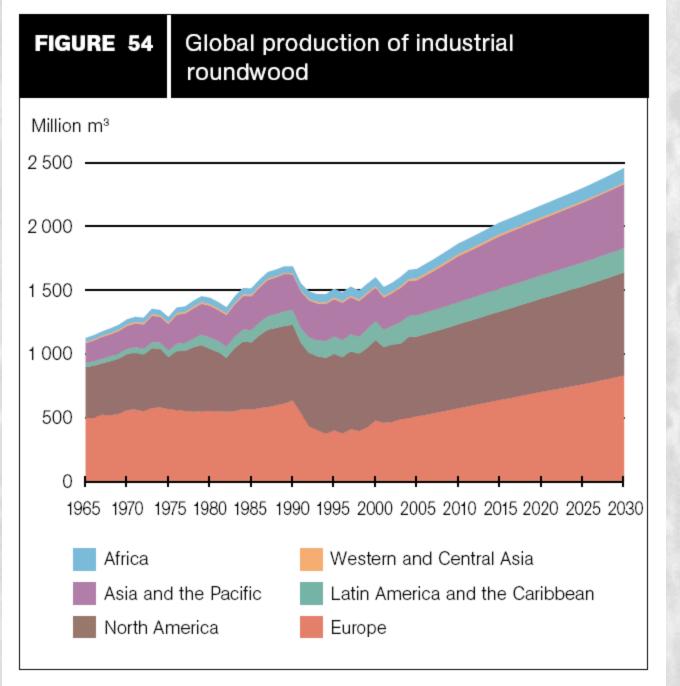
http://buildingcommissioning.wordpress.com/2008/01/



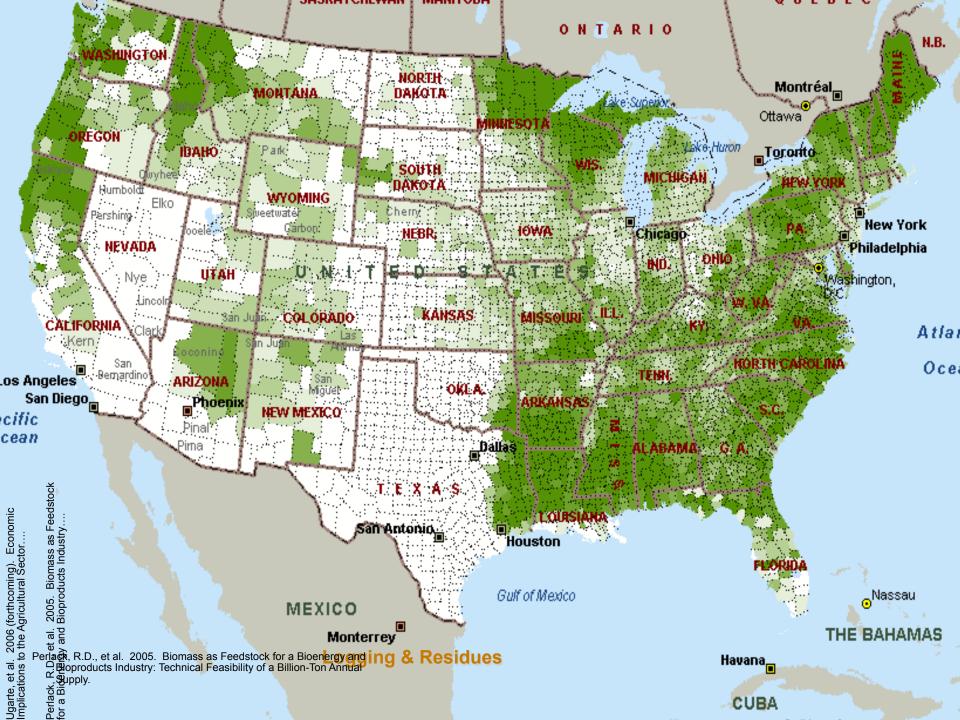
Green = Recyclable, Natural, Renewable or Sustainable?

Roundwood Production 2001

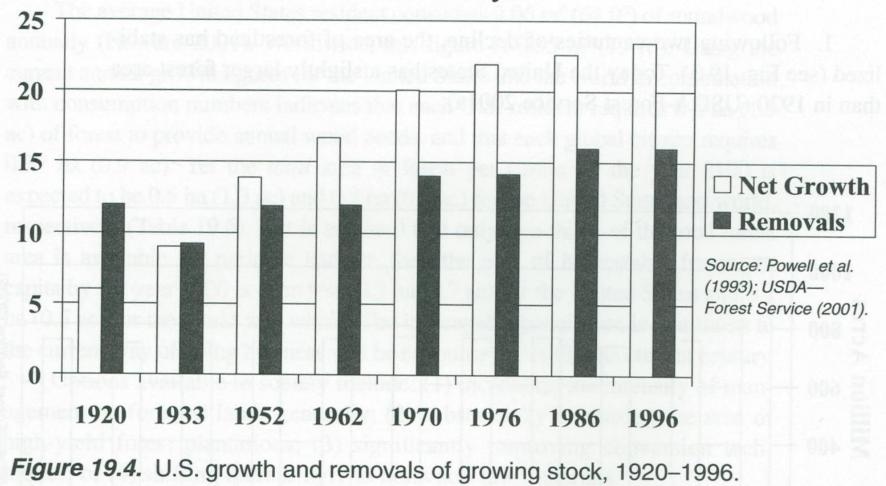


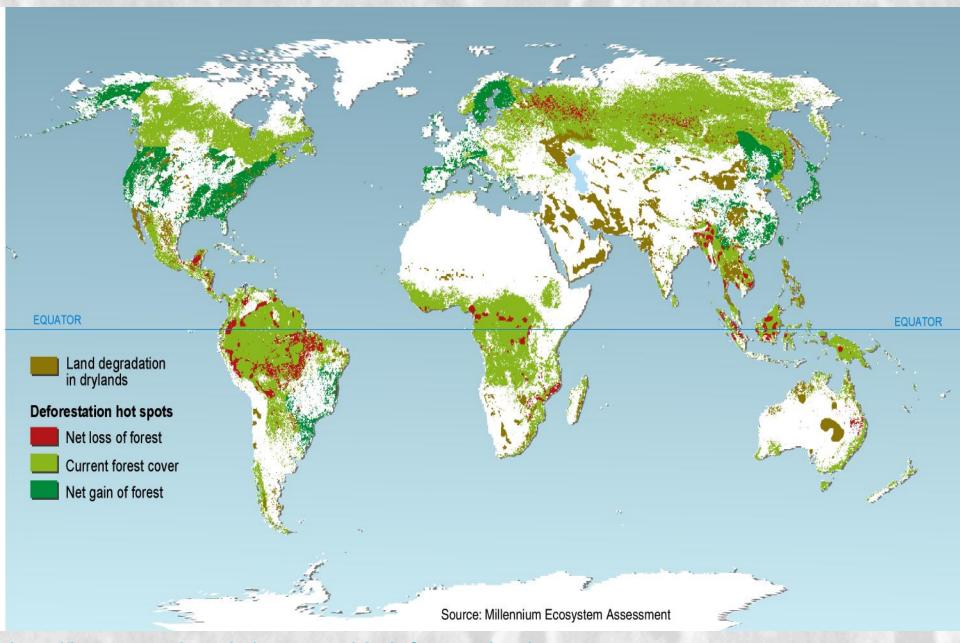


sources: FAO, 2008a, 2008c. ftp://ftp.fao.org/docrep/fao/011/i0350e/i0350e02a.pdf

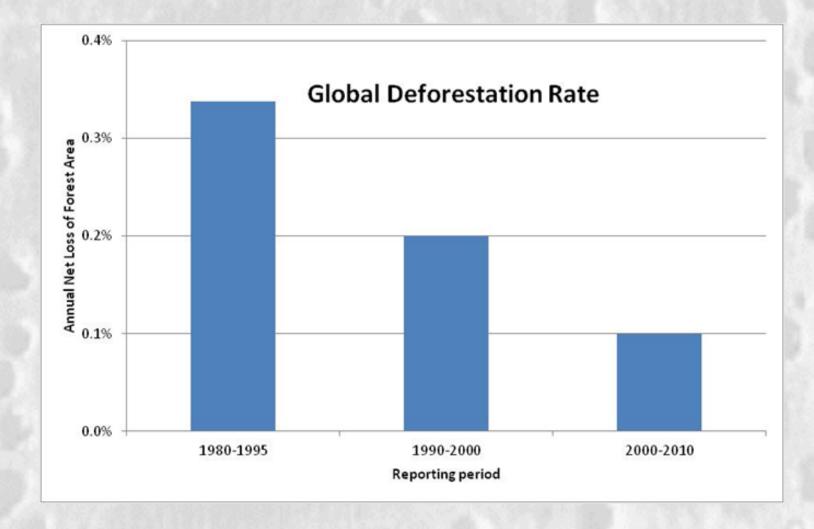


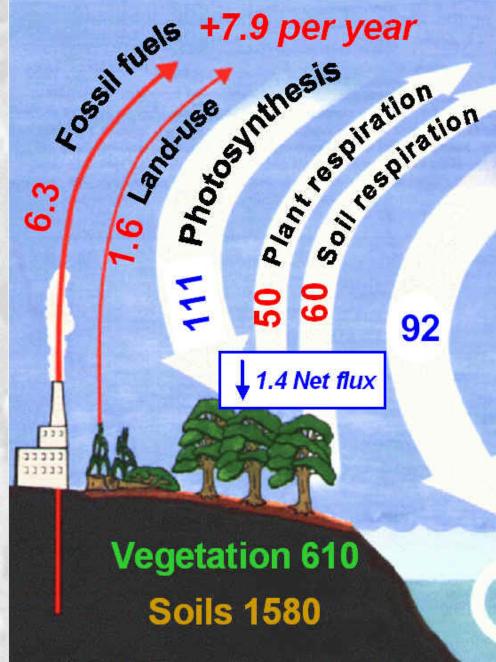
Billions of cubic feet/ year





http://images.wri.org/sdm-gene-02-deforestation.jpg





Stock = Billion metric tons Flow = Billion metric tons per year Atmospheric CO₂ 750 (@360 ppm) (+ 3.2 per year)

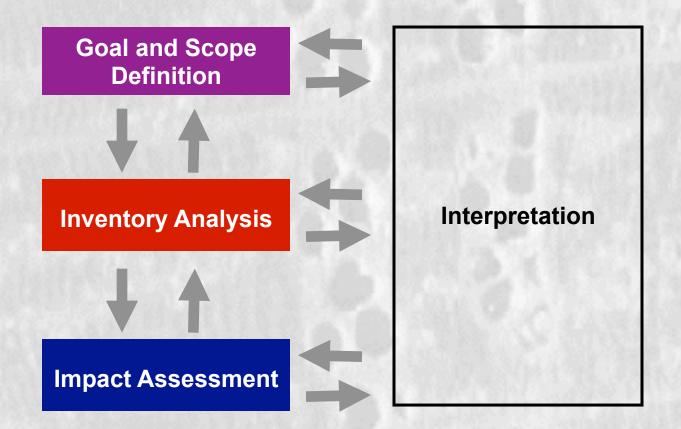
> Global Carbon Cycle

1.7 Net flux

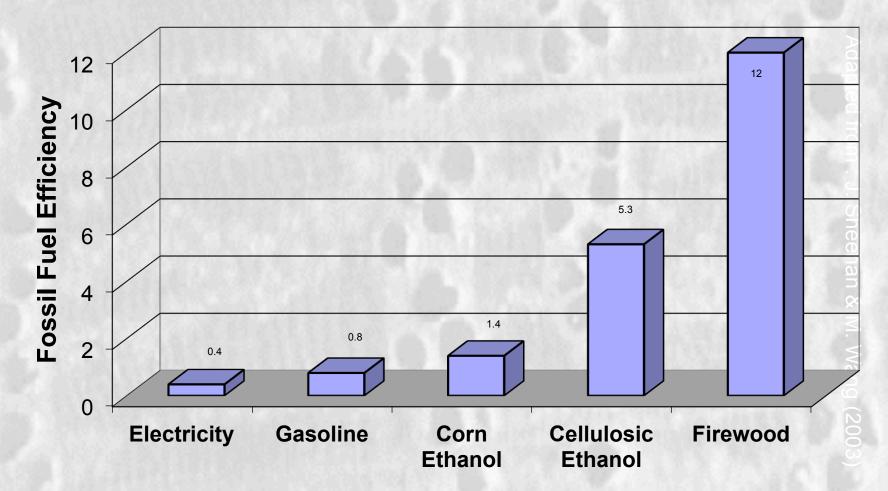
Ocean 39000

90

Life Cycle Assessment



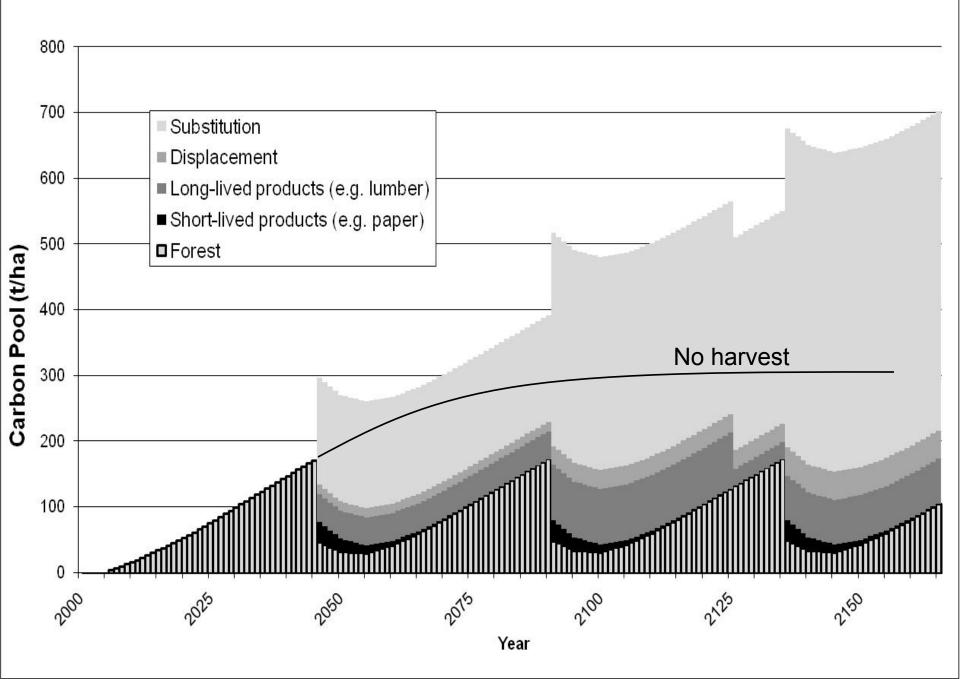
(Fossil) Energy In vs. Energy Out



Modified from J. Sheehan & M. Wang (2003)

		TOTAL CARBON FOOTPRINT (Negative values represent a <i>carbon credit</i>)
Wood Product	Unit	Units are kilograms of CO ₂
Hardwood lumber	One board foot (12"x12"x1")	-4.2 -4.1
Softwood lumber	One 2x4 'stud'	-13.0
		-14.9
Hardwood flooring	One square foot	-1.6 -0.4
Doors	One door	-311.5
Decking	One deck board	-24.5
Siding	100 square feet	-66.3
Utility poles	One 45' pole	-2513.9
OSB	One 4' x 8' sheet, 3/8" thick	-26.3
Plywood	One 4' x 8' sheet, 3/8" thick	-23.9
		-27.3

Atlanta House	Concrete instead of wood
Embodied Energy	+16%
Global Warming Potential	+31% or +150%
Air Emissions	+23%
Solid Waste	+51%



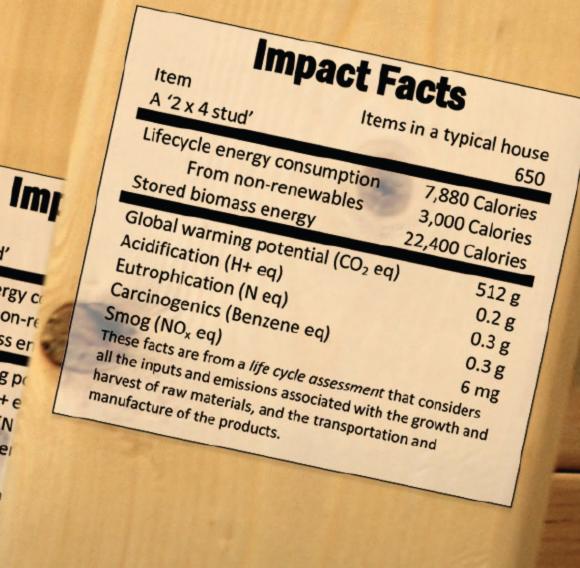
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Item

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Item A '2 x 4 stud' Lifecycle energy c From non-re Stored biomass er Global warming pc Acidification (H+ e Eutrophication (N Carcinogenics (Bei Smog (NO_x eq) These facts are from a all the inputs and emis harvest of raw materia manufacture of the pr





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© Cartoonbank.com à MANKOTI "I don't mind the tree huggers, but the tree humpers creep me out."

http://www.youtube.com/watch? v=C_CDLBTJD4M