# Mass Timber: How to think about the carbon value proposition

Presented by Kathryn (Katie) Fernholz

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### **Overview**

- Forest carbon cycle
- Benefits of active management in our relationship with forests
- People Power

HOW CARBON FLOWS THROUGH FORESTS & WOOD

In forests, carbon flows in an ongoing loop: this makes forest products part of a solution to climate change. IN CONTRAST, Burning fossil fuels is a one-way system releasing carbon into the atmosphere.





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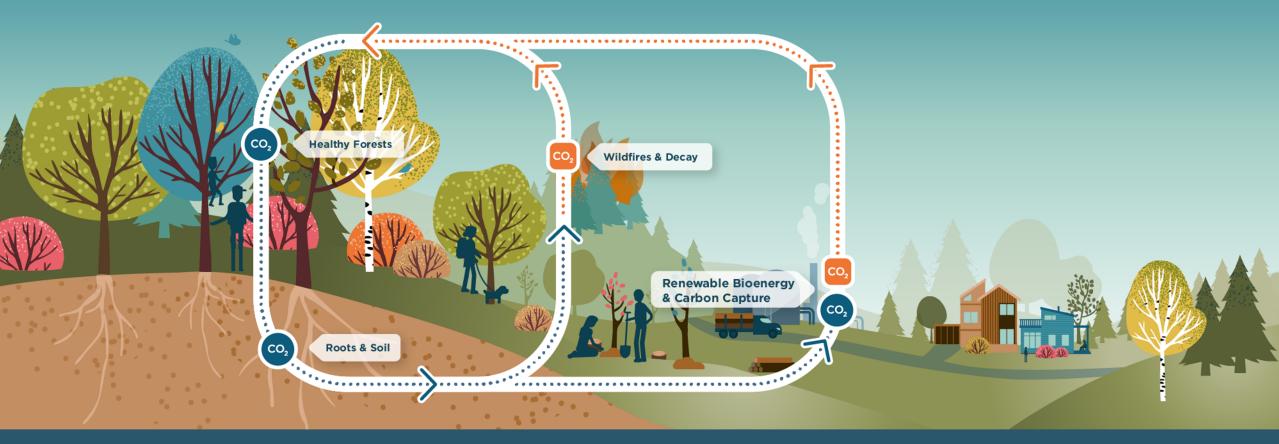
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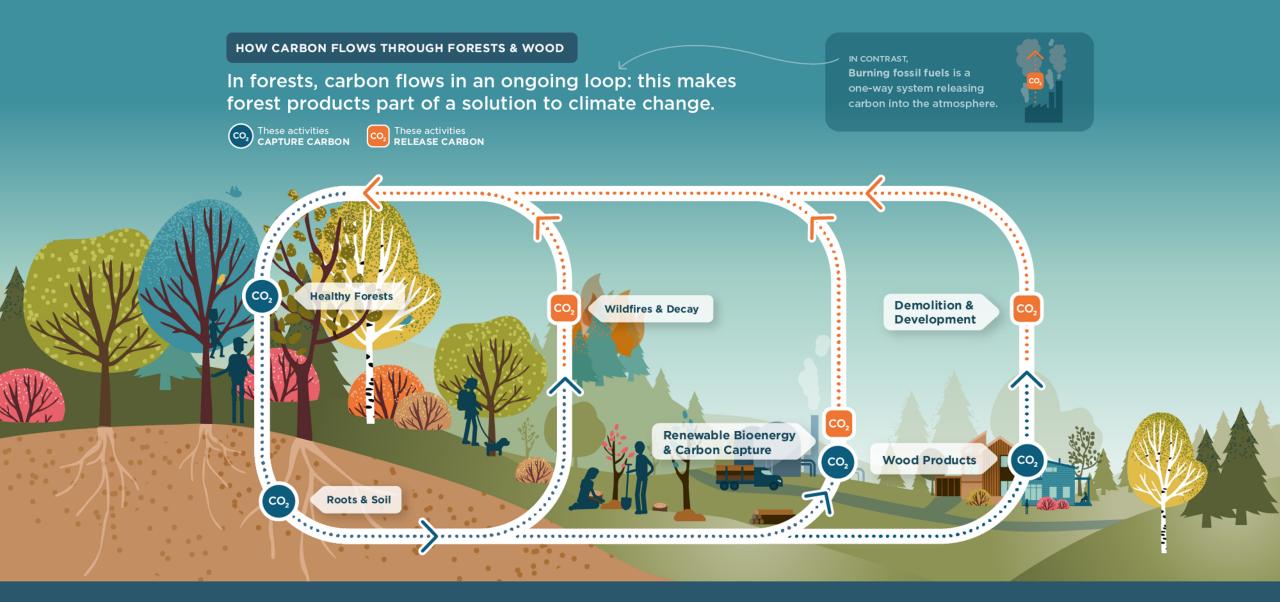
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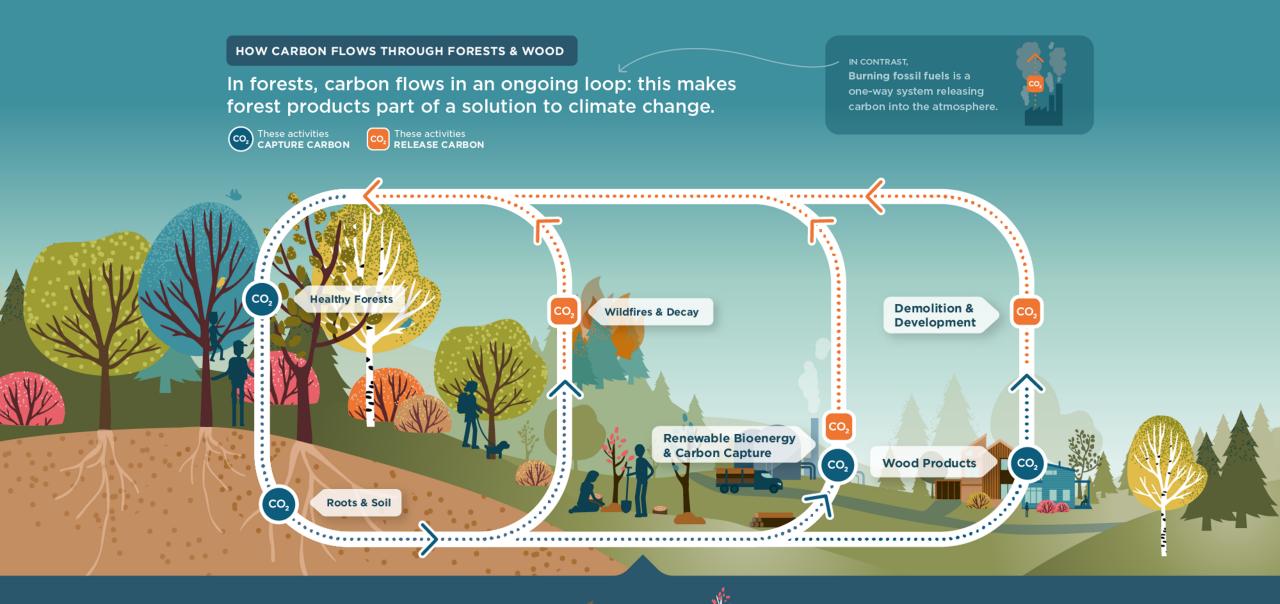


These activities RELEASE CARBON IN CONTRAST, Burning fossil fuels is a one-way system releasing carbon into the atmosphere.









Reduce

Wildfires

Plant

Trees

Harvest

Sustainably

**People are stewards for healthy forests** and maximize decarbonization through our choice of wood products.

Choose Wood



Healthy forests are complex, dynamic ecosystems and people are helping forests thrive.



SUSTAINABLY MANAGED WORKING FOREST







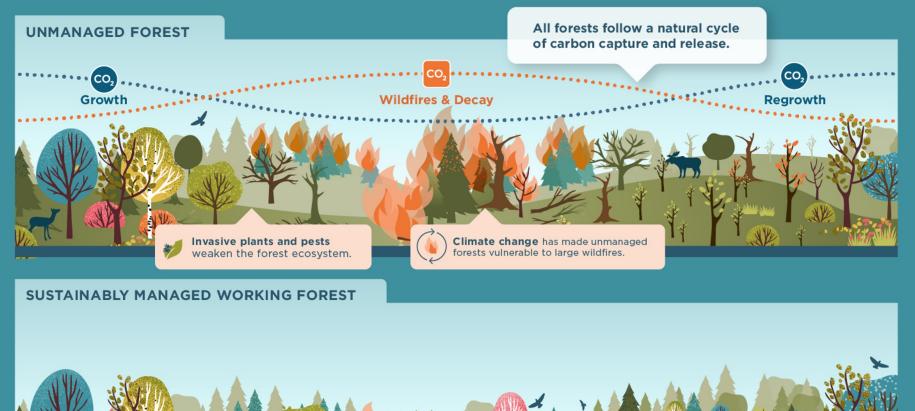
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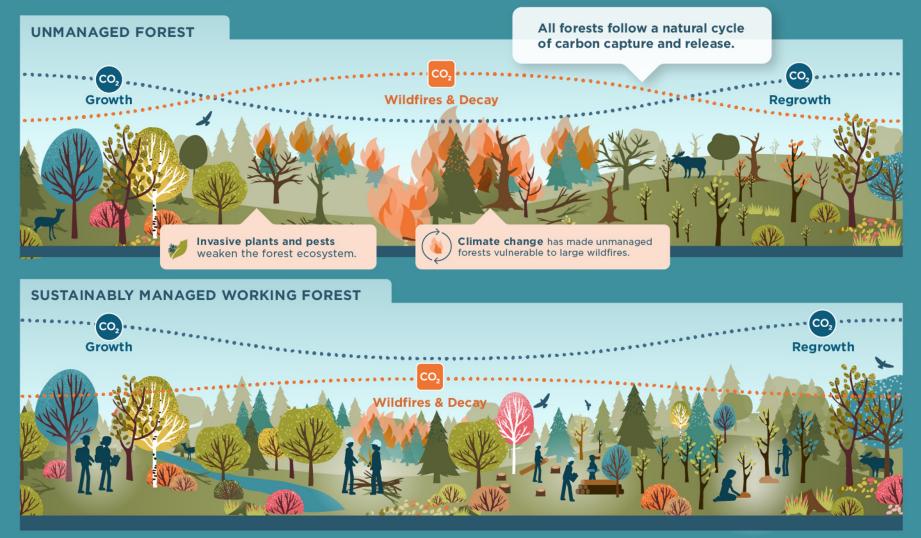


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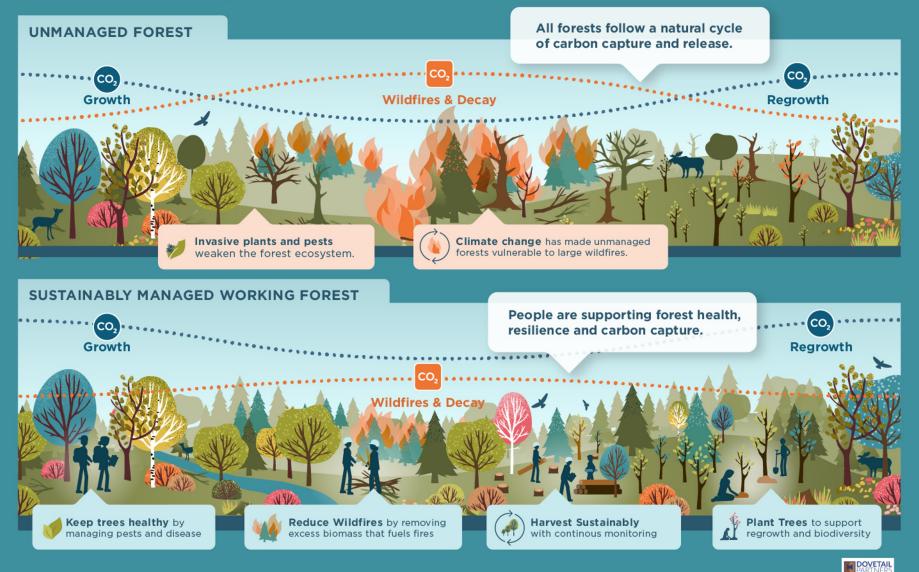


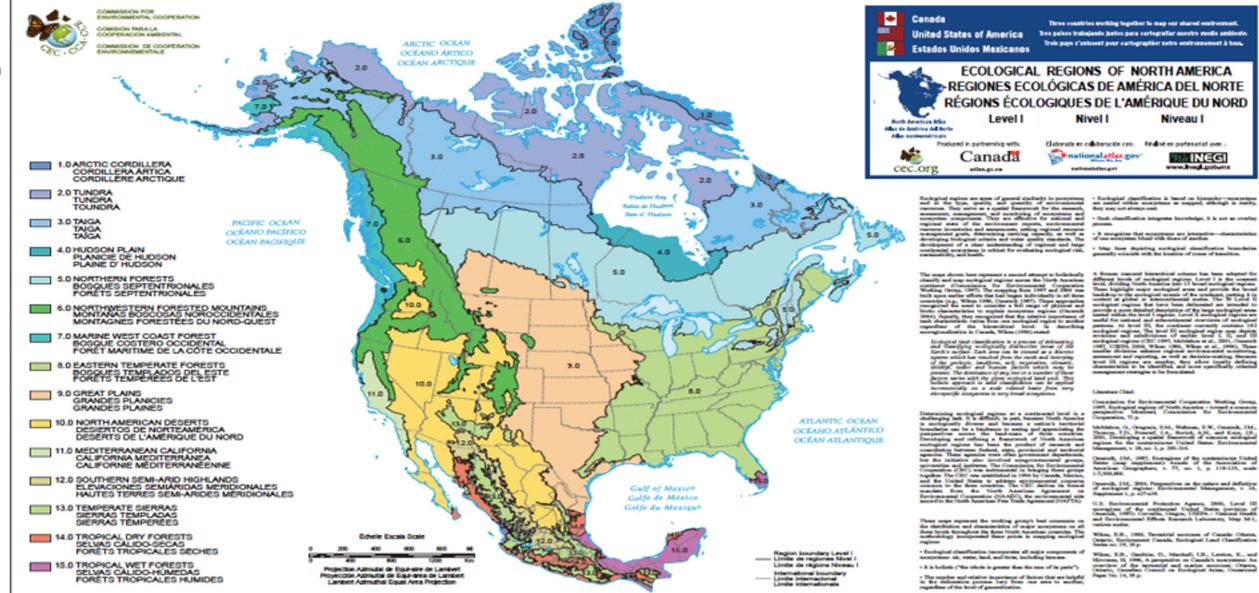
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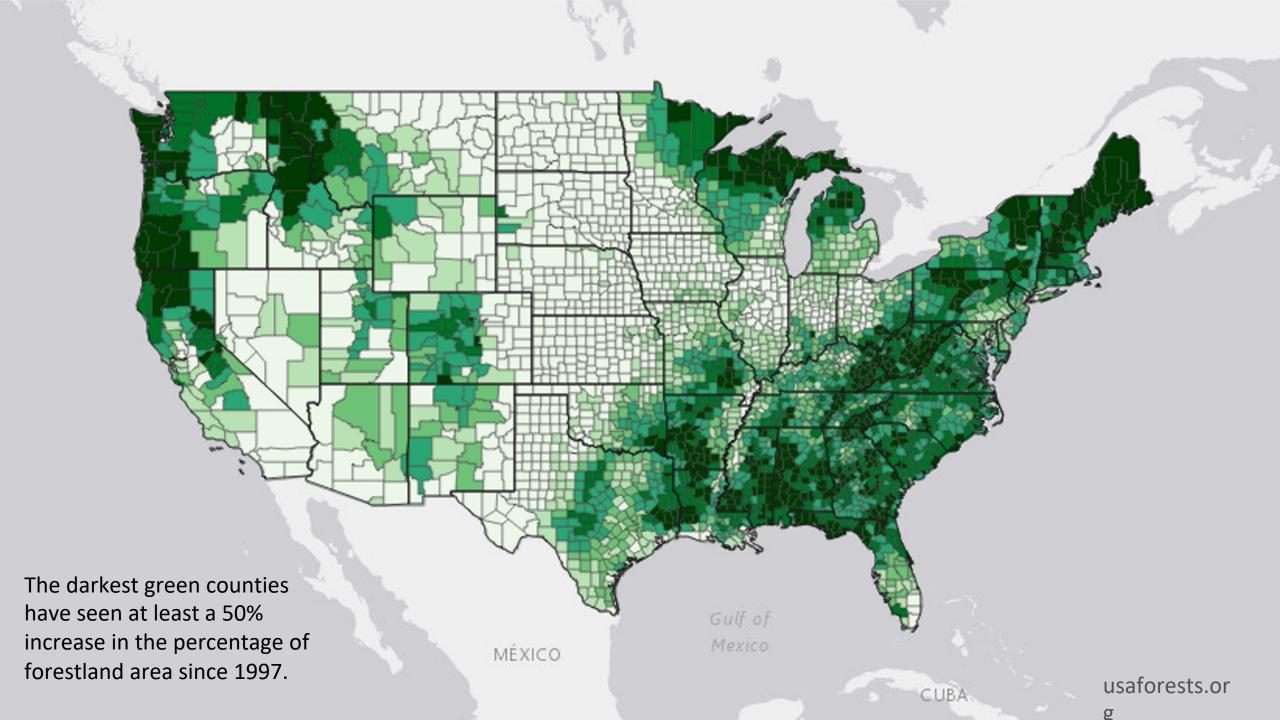


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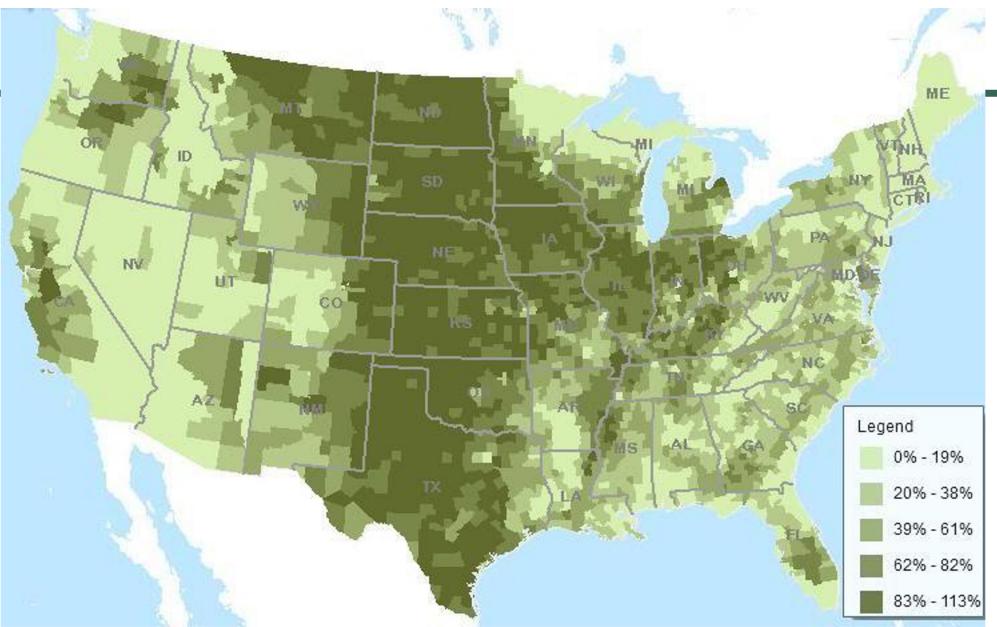




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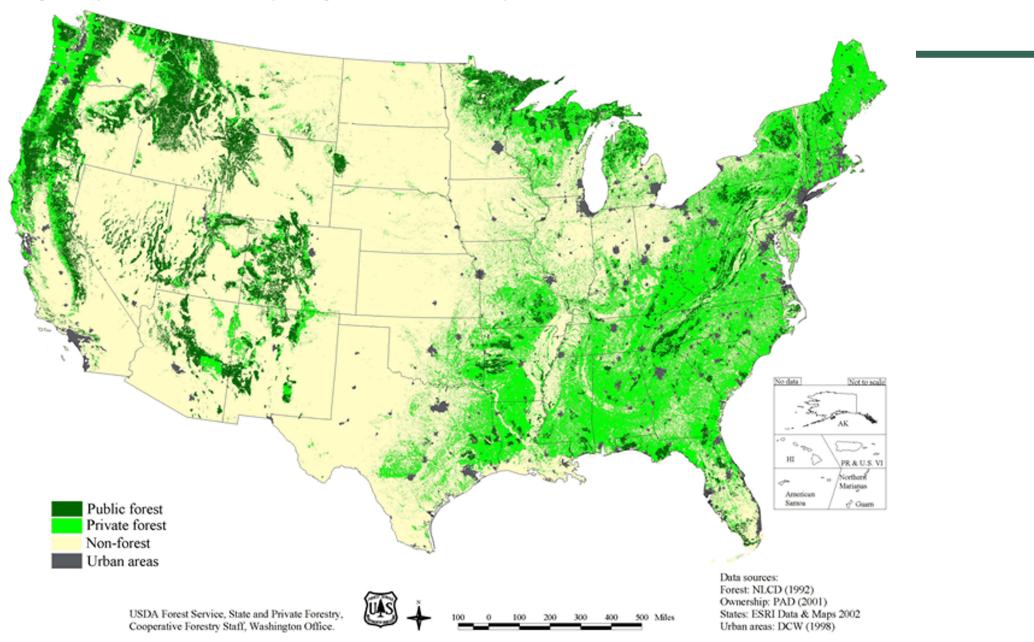


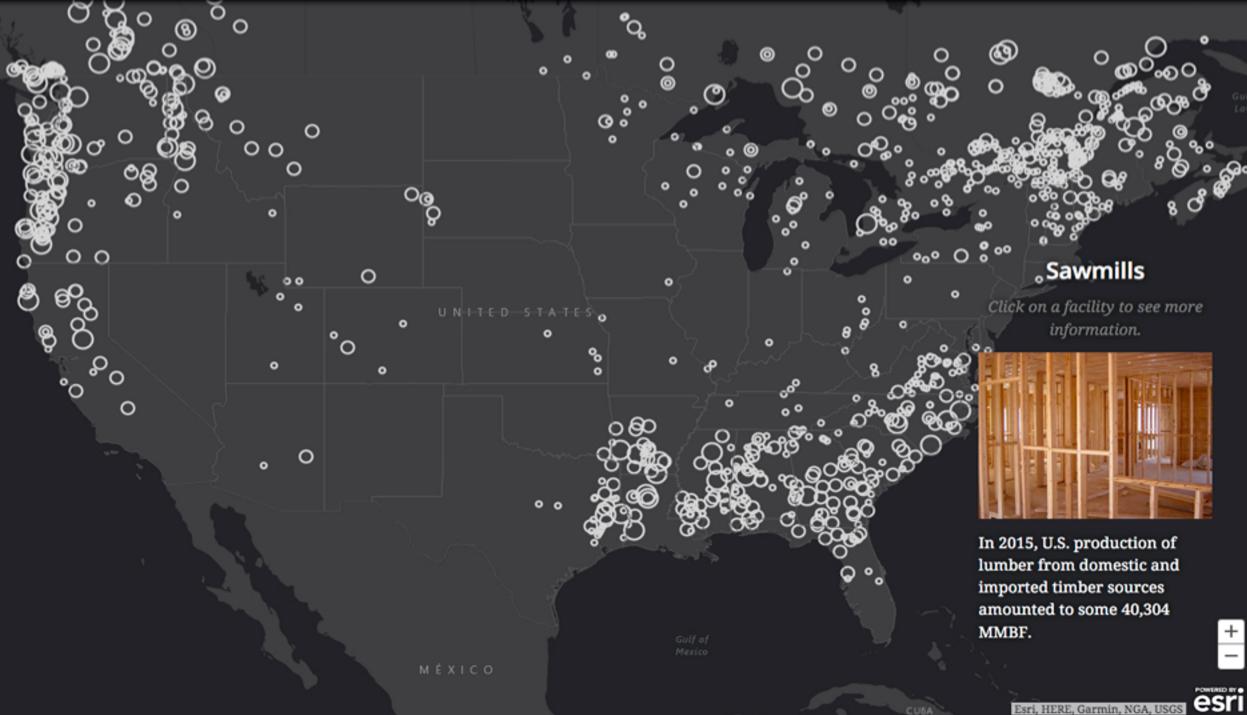


Source: http://www.bigpictureagriculture.com/2011/05/us-farm-data-maps-density-farm-payments.html

### **Forest Land Ownership**

This map displays the basic vegetation (forest vs. non-forest) of the conterminous United States as well as ownership (private vs. public). The lands displayed as "public" include Federal and State lands but do not generally include lands owned by local governments and municipalities.





Esri, HERE, Garmin, NGA, USGS

### Scarcity Mindset toward Forests

- Trees would live forever if people didn't cut them down.
- Wood is the only building material that causes trees to be cut and forests cleared.
- Forests would be better off without us.

### Growth Mindset for Resiliency & Sustainability

- Trees have life cycles for us to learn about, respect, and be a part of.
- Wood is the building material that causes us to plant trees and grow forests.
- Forests and people belong together.

## QUESTIONS?

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