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President/ CEO  
**October 2020**

## Sustainable Forestry

Renewable Materials Storing Carbon

*Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.*



1940





1945





1950





1955





1961





1971



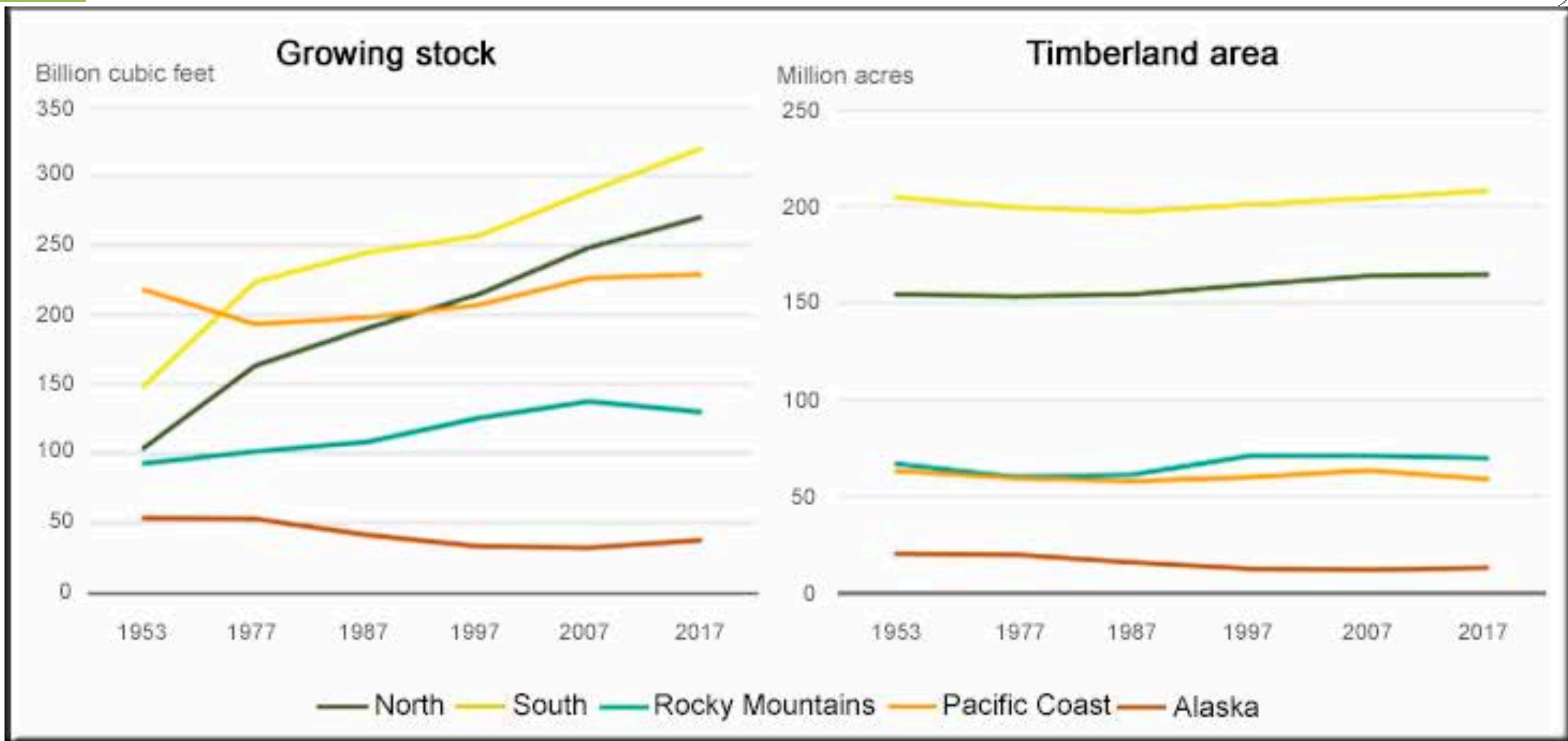


1974





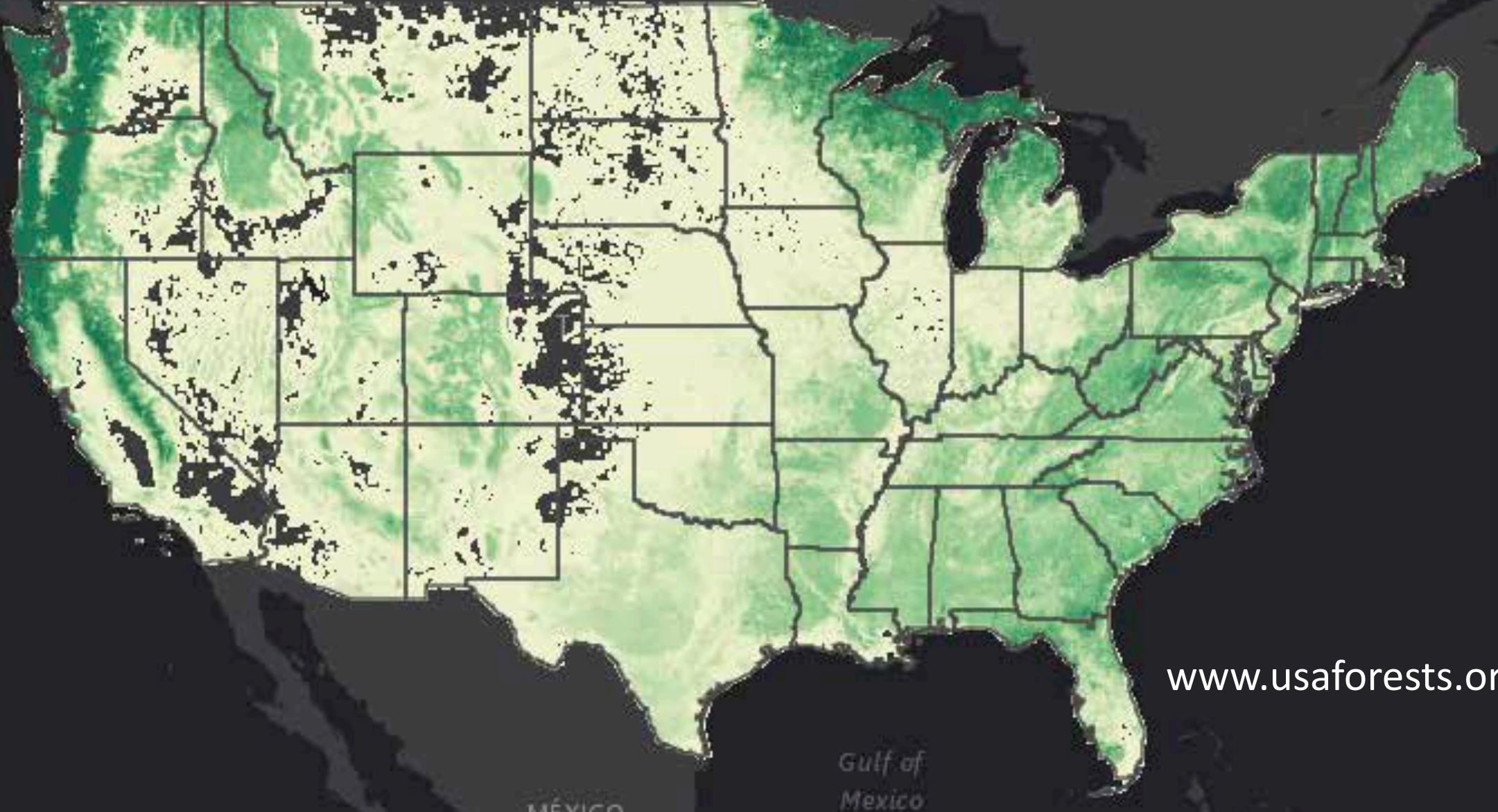
# U.S. growing stock volume, billion cubic feet, and Timberland area, million acres 1953–2017



Source: Oswalt et al. 2018. [https://www.fia.fs.fed.us/program-features/rpa/docs/2017RPAFIATABLESFINAL\\_050918.pdf](https://www.fia.fs.fed.us/program-features/rpa/docs/2017RPAFIATABLESFINAL_050918.pdf)



## Carbon Storage in US Forests



[www.usaforests.org](http://www.usaforests.org)



## The closed loop of FOREST CARBON in the ATMOSPHERE

# Carbon Cycle

Fossil fuel use is an  
**OPEN SYSTEM** where  
CO<sub>2</sub> remains in the  
atmosphere.

**Wood products** can store carbon and can **substitute** for emission-intensive products such as concrete & steel.



**Bioenergy** from forest biomass can **substitute** for fossil fuel energy.

**BIOMASS**



CO<sub>2</sub>

**Fires & decomposition** following disturbance events **release** carbon into the atmosphere.



CO<sub>2</sub>

**Growing forests** **remove** carbon from the atmosphere.



CO<sub>2</sub>

CO<sub>2</sub>



CO<sub>2</sub>

CO<sub>2</sub>

CO<sub>2</sub>

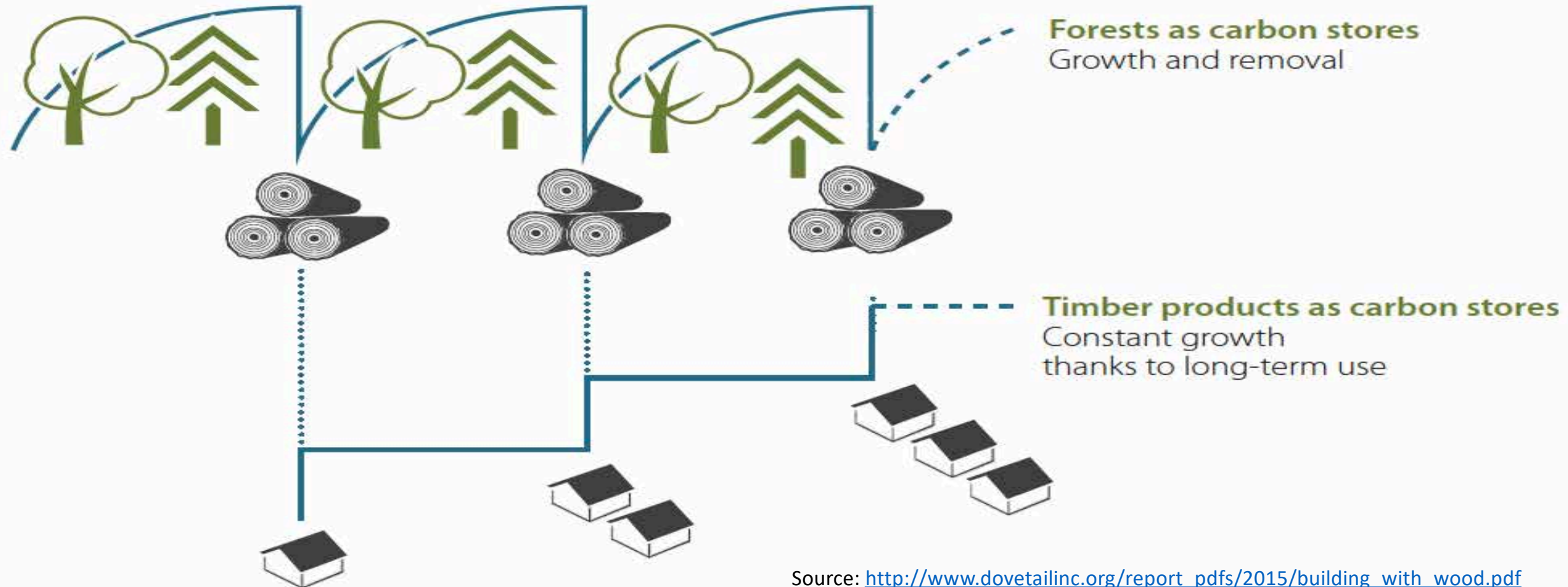
CO<sub>2</sub>





*Wood is inherently one of the best building products ever. From an environmental perspective, how can you have anything better in many ways?*

Scot Horst, Senior VP for LEED



Source: [http://www.dovetailinc.org/report\\_pdfs/2015/building\\_with\\_wood.pdf](http://www.dovetailinc.org/report_pdfs/2015/building_with_wood.pdf)



# Questions?

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