



Wants and Needs from Wood Science Education
An Industry Perspective

Society of Wood Science and Technology

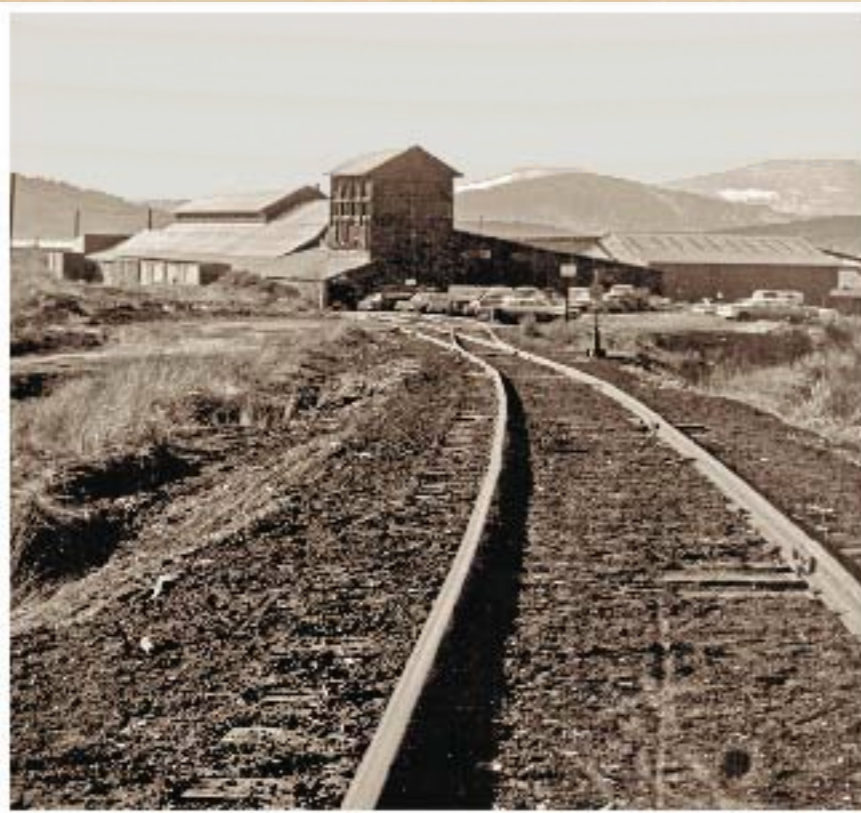
June 22, 2011

Presented By:
Randy Clark

Company Background

➔ Who is JELD-WEN?

➔ Why does JELD-WEN's opinion matter for Wood Science Education?

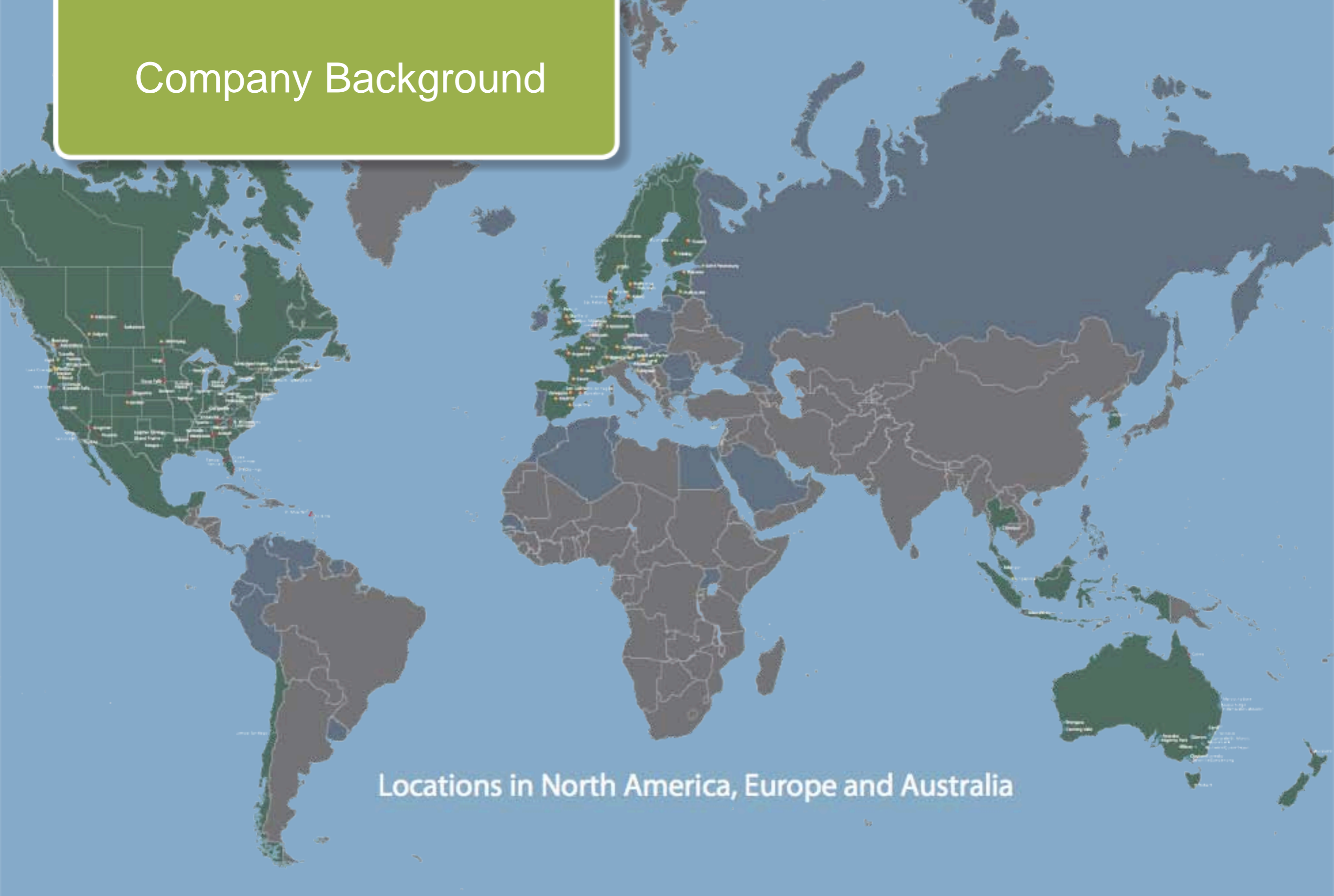


Company Background

- ➔ World Wide company
- ➔ Over 120 operations world wide
- ➔ Nearly 20,000 employees
- ➔ Over \$3 billion in annual sales
- ➔ Manufacturer of windows and doors and components



Company Background



Locations in North America, Europe and Australia

Company Background

Wood Utilization



Use over 80 tons of wood/hour, in many forms from logs to fiber. So JELD-WEN is definitely affected by Wood Science.



Sawmill to process trees

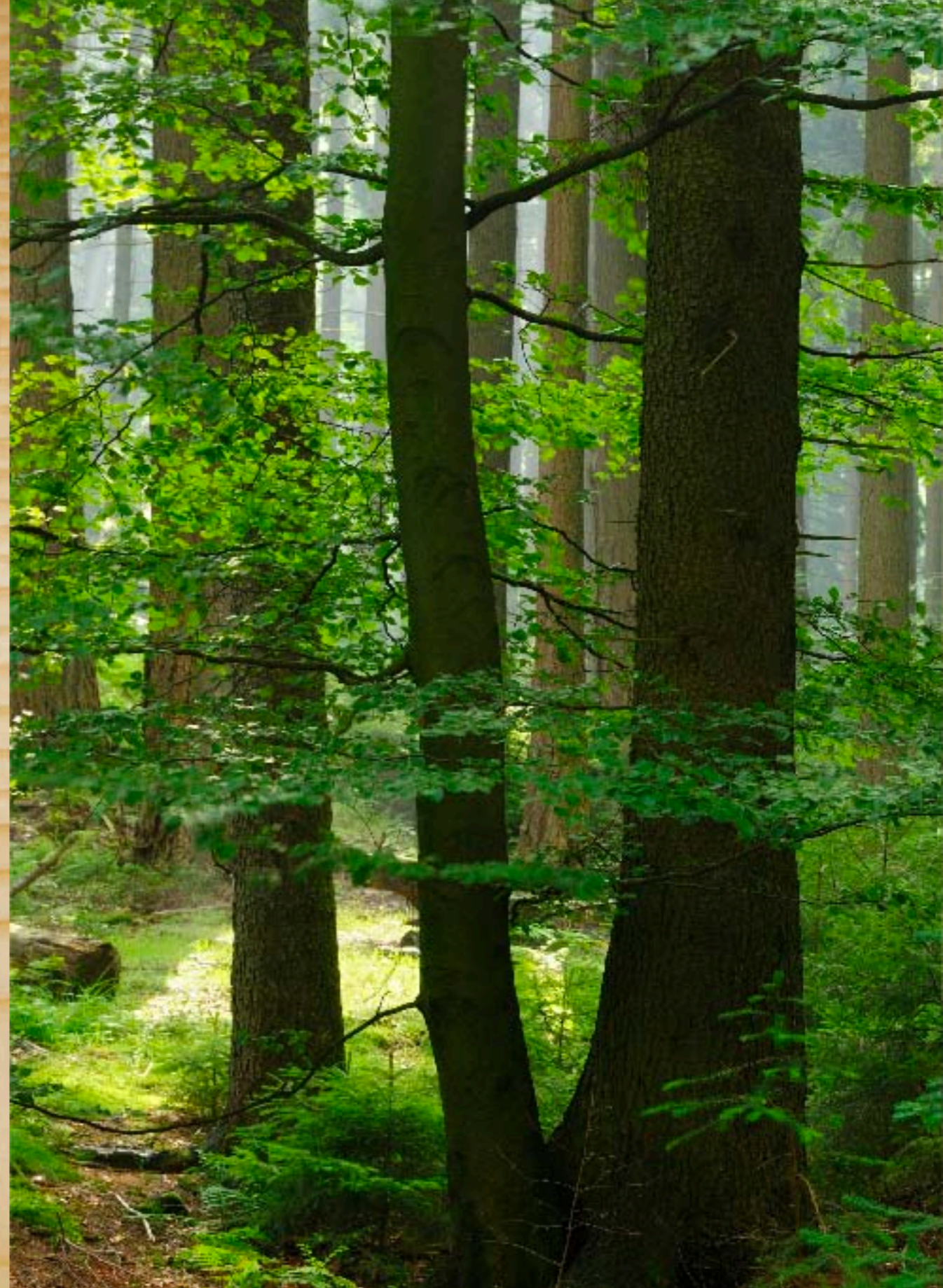


Millwork plants to process the lumber into components

- Utilize waste from sawmill and millwork to produce thin MDF



Assemble windows and doors with wood and composites.



Demographics of “Wood Science” employees



Wood Science Education Needs for Industry

Critical needs for Technical and
Production employees:

Technical Education

Materials Science

Process Control

Wood Science “Basics” (specifics will be learned
on-the-job.

Engineering (Chemical, Mechanical, Industrial)

Fundamental Sciences (physics, chemistry)



Wood Science Education Needs for Industry

Critical needs for Technical and
Production employees:



Non-Technical Education

Leadership

Problem solving (not problem identifying)

Working with people

Effective Communication

Environmental issues (non-technical courses,
which many times have more influence than technical)



Wood Science Education Needs for Industry

Critical needs for Technical and Production employees:



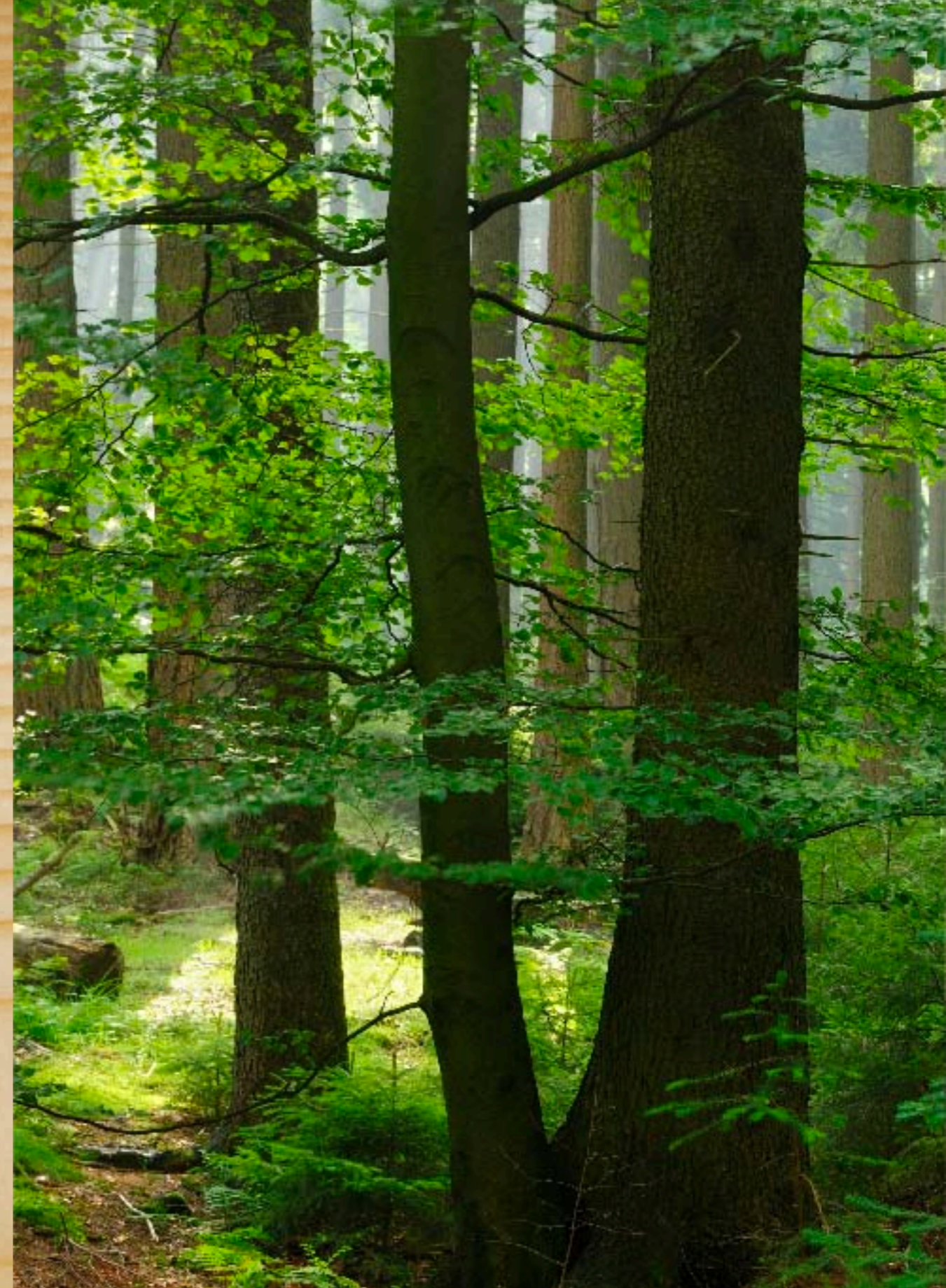
Applicable Experience

- Summer Internship
- Lab Assistant at University
- Industrial Seminars
- Plant Visits



Predictions & Recommendations

- ➔ Experienced opinion, no guarantee or warranty!
- ➔ Perceptions will drive use of wood



Predictions & Recommendations



The “Green” Movement should be a positive for wood products, but there are many that think wood should stay in the form of trees and all Wood Scientists are lumberjacks.



Wood will expand utilization in different applications. Wood Science Education needs to provide information on these options.



Predictions & Recommendations



Education must expand out of the traditional classroom for employment in Industry. Tours of production plants and presentations from industry members **are** valuable for students to learn what they like (and don't like). Also valuable for professors to stay connected with the wants & needs of industry.

Questions?

