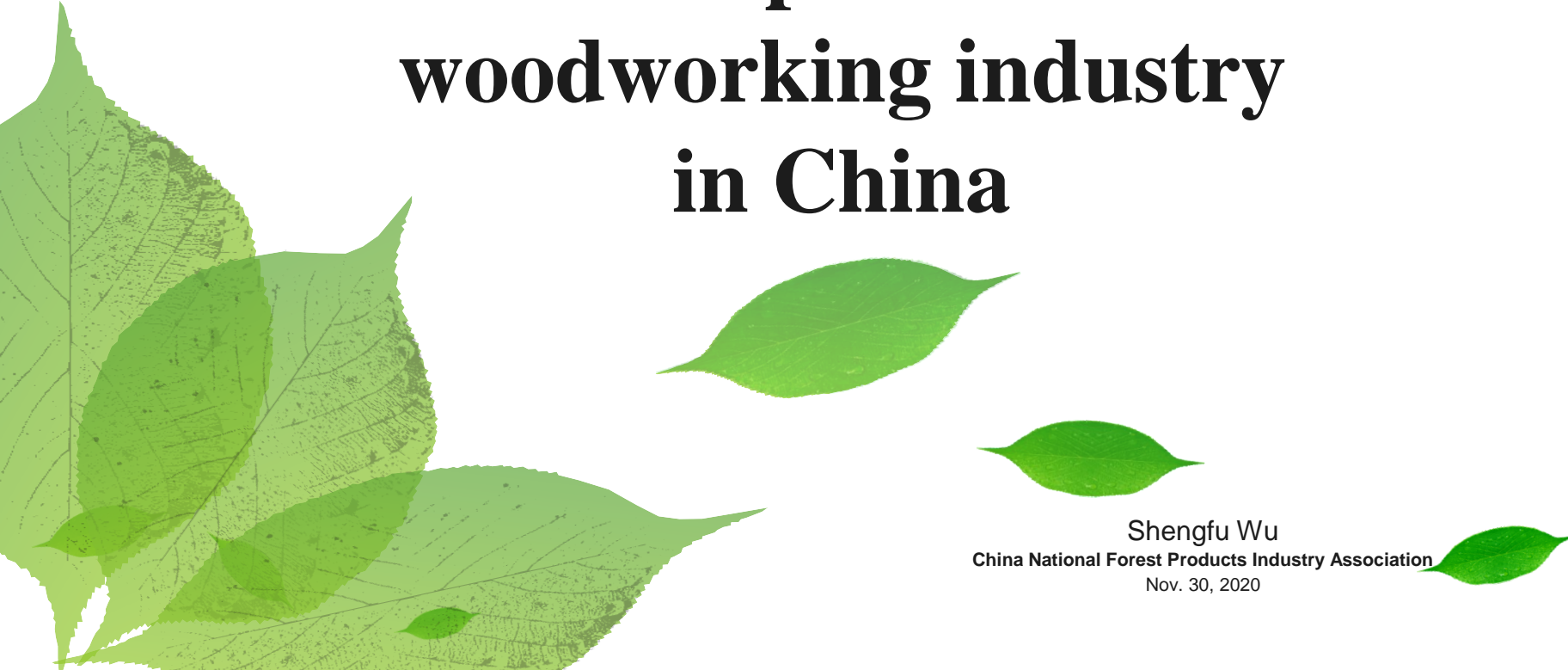



Innovative practices in the woodworking industry in China



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General understanding

- China has a big import on both log and sawn timber, and the log is getting replaced.
 - China has a big export on the timber products such as plywood, flooring, door sets, wooden furniture, wooden toy, photo frame, cabinets etc.
 - China has rich resources on bamboo and planted forest.
 - NGO's has make contribution on the illegal logging.
 - Comprehensive and skillful hard working develop the woodworking industry.
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Wood is Good



- As a material, Wood has an affinity for the human.
- Wood is the only construction material which could renewable, sustainable, degradable;
- Wood has its distinguishing characteristics on environmental friendly, low carbon & sink carbon etc.
- Forest own environmental, social and economical functions, and possess biodiversity, ecosystem, climate change characteristics which essential to the human life.

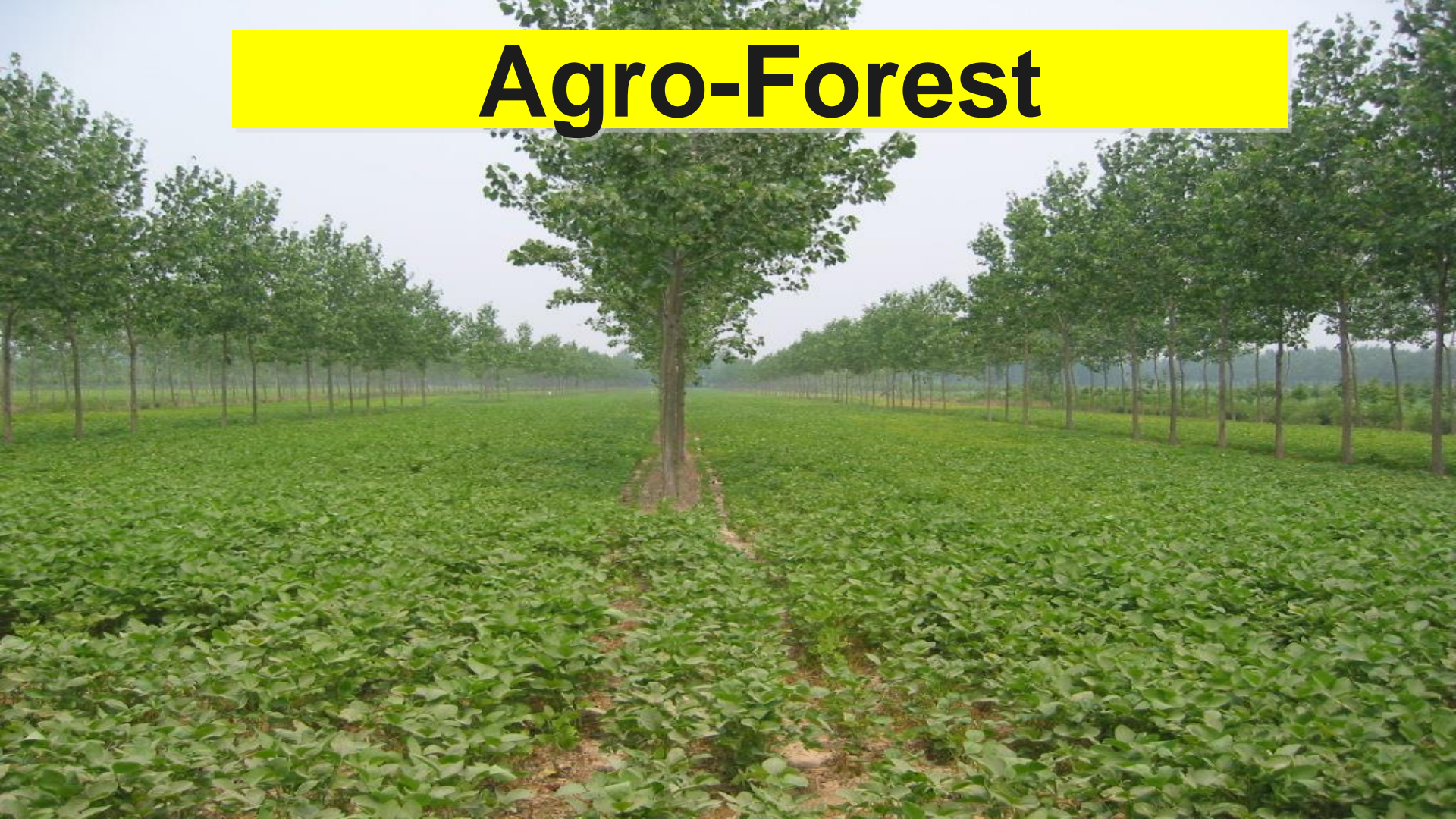
Timber is essential for our life



How does the forest industry work in China

- Labor intensive, heavy work with Low wage of low profitable Forest industry, suits China and developing countries.
- Without China export, Western's mechanical wood industry still decreased. Why?
- Life can be enjoy but works need to be done first by working not by talking.
- Innovation happen every now and then, on machinery, technology, management, productivity, recovery, efficiency, energy saving, ecofriendly etc.
- Diligent and hardworking is the only way

Agro-Forest



The new cultivation technique
such as clonal culture, especially
on the eucalyptus and poplar



Eucalyptus



China has developed the clonal species on dry & wet condition, mountain & plane earth, cold & worn & hot temperature etc. conditions.



LVT has well developed but BLVP- Engineered bamboo products better





Gates
Puertas

H

J

K

M

R

U



887



888

889

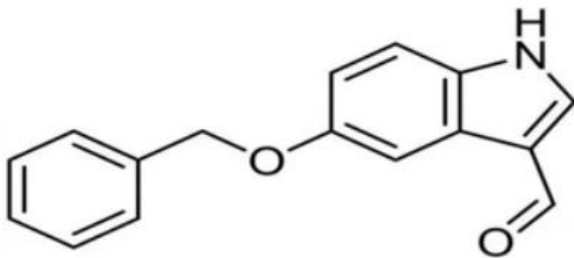


Eco-friendly home finishing products

1. Thousands of woodworking co. has closed because of the environment requirements
2. Water based paint for home finishing replaced the alcohol soluble resin
3. Environmental friendly on its production and products
4. Low or no toxicity on the resin and products processing



The no added formaldehyde adhesive are widely used for home finishing in China which is good experience and technology especially in the Pandemic season.



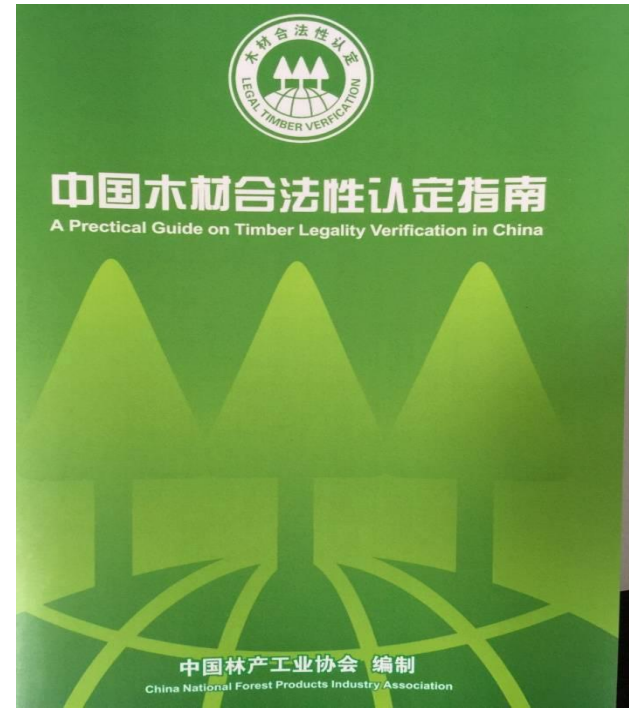
Customized processing 5G tech



*The indoor or living environmental requirements are getting severe,
more high-quality environmental friendly products shall developed*

Responsible purchase policy

- Prioritized purchase the timber sourced from certified or legally verified forests.
- Prioritized purchase recycle material.
- Develop green product, improve technology and process to reduce consumption of energy and natural resource.
- Local materials shall have logging, transporting & processing licenses to keep it legal.
- Especially care on the imported logs (different countries has different risk level and treated differently)
- Do not use the high risk materials



Forest shall used for Woodworking industry

instead of fire which only contributes to the climate change, but also damage the eco, the social, the environment and the resources. Decision and policy makers should be aware of those problems and take into serious consideration.

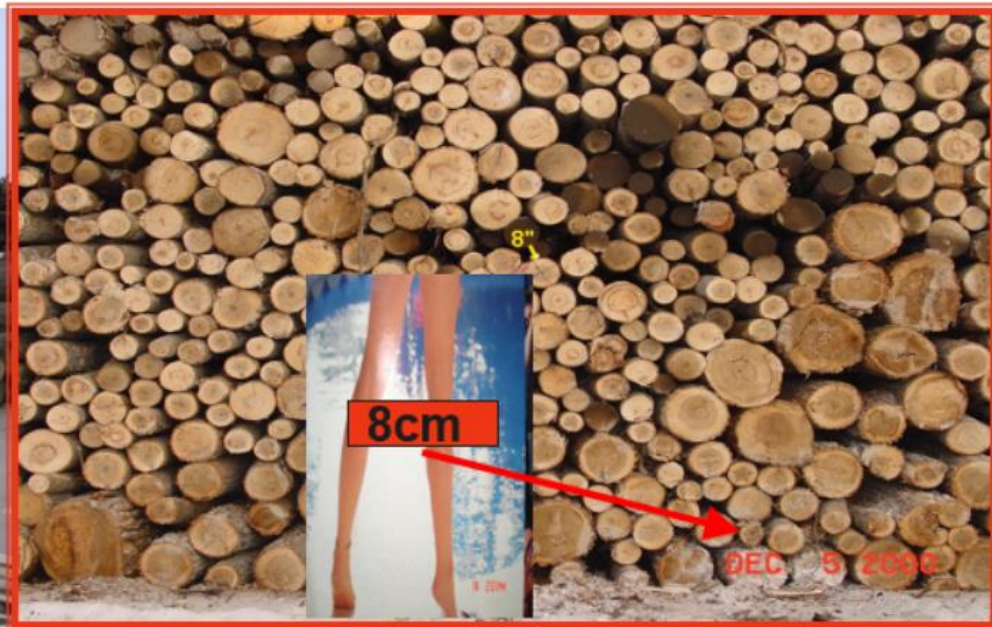


Why the woodworking industry works well in China?

Selection of panel industry materials for more value-added products



Different D



The split logs not for burning but for more valuable products



**It may goes to the boiler in most places,
even not good enough in forest countries**

Composing



Well managed veneer handling



The different grades separated for different use



Takes good care of the product quality



Innovation starts from each of the worker in everyday life which can make the industry developing and sustainable.



THANK YOU

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