



*Forest2Market*<sup>®</sup>

# *Brazilian Forest Industry*

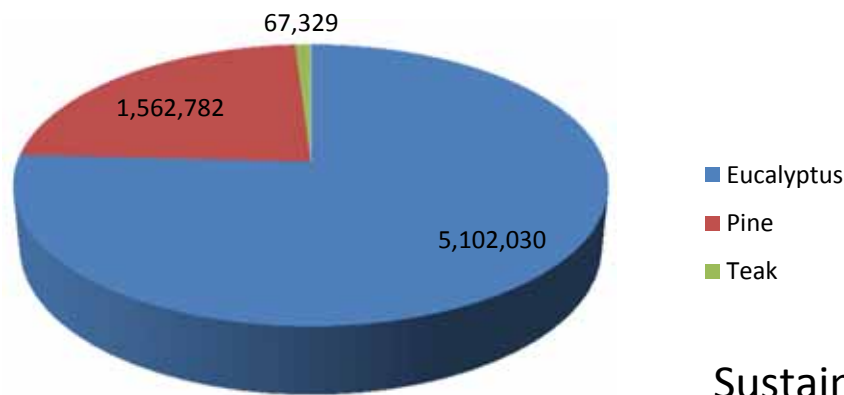
Timber Measurements Society, Central Meeting

April 10, 2014

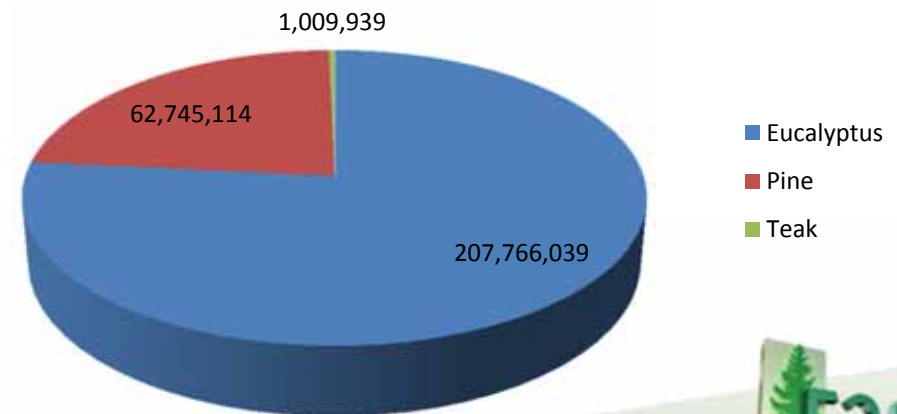
Coeur d'Alene, Idaho

# Brazilian round wood production

Plantation area: 6.7 MM hectares



Sustained annual production: 274 MM cubic met



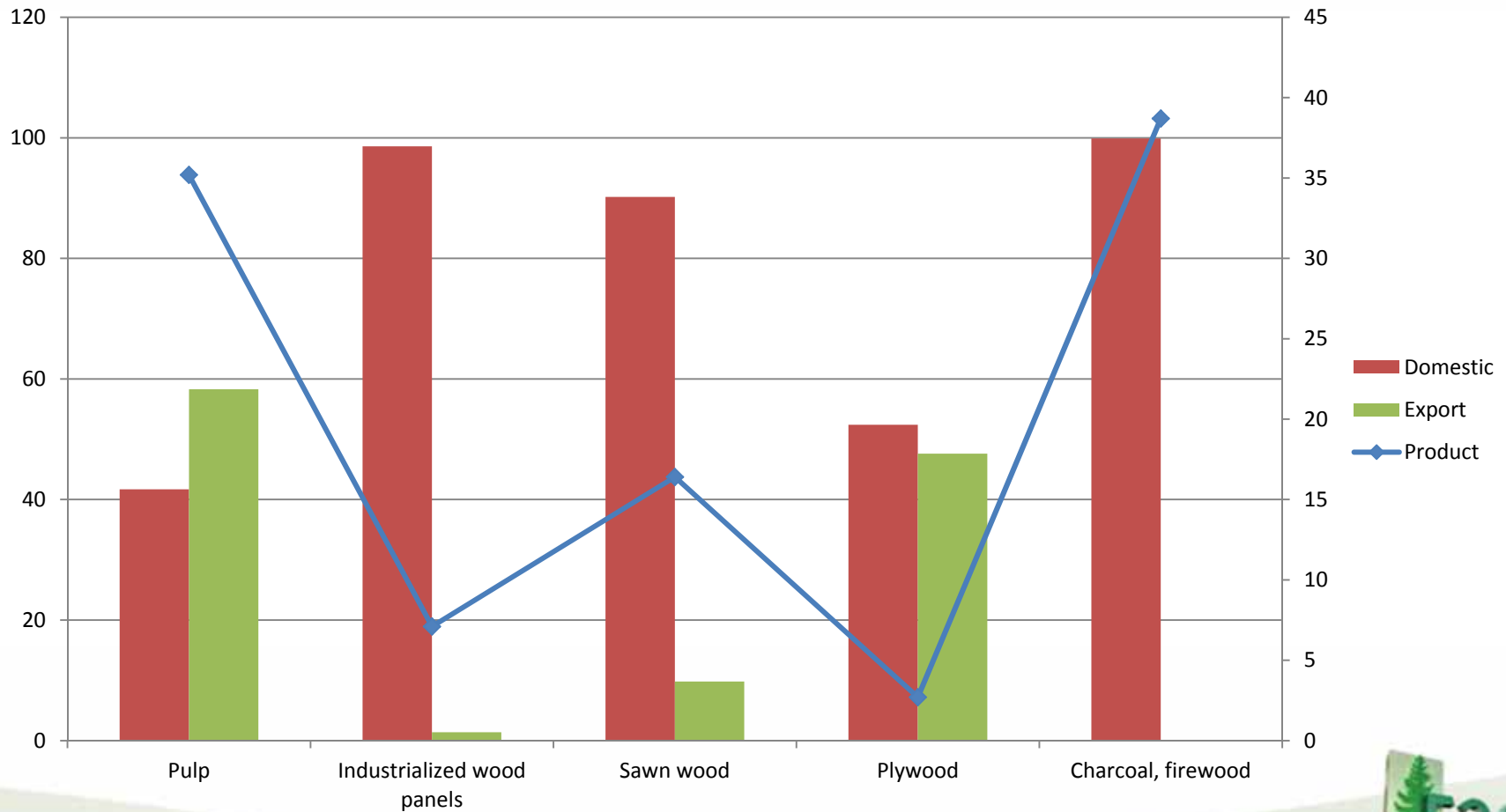
Source: ABRAF

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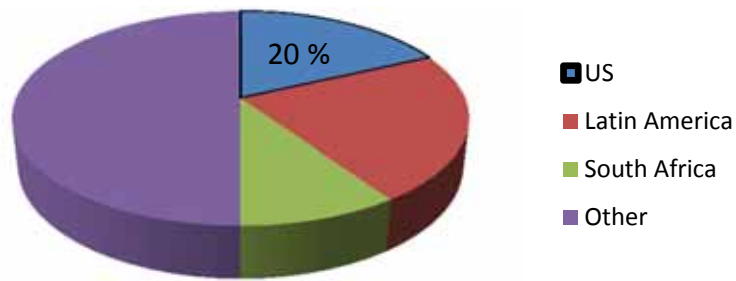


# Market for Brazilian forest products

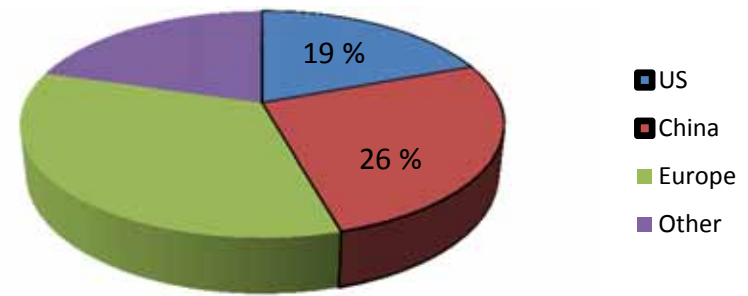


# Brazilian forest products exports

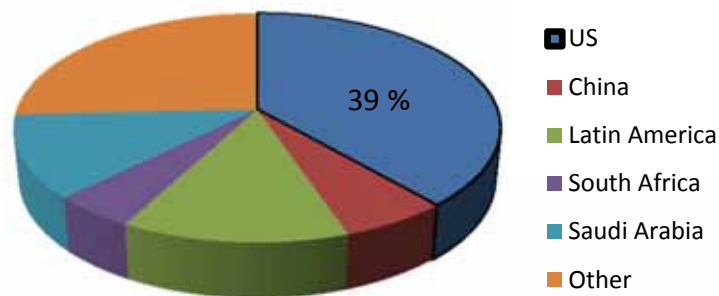
## Industrialized panels



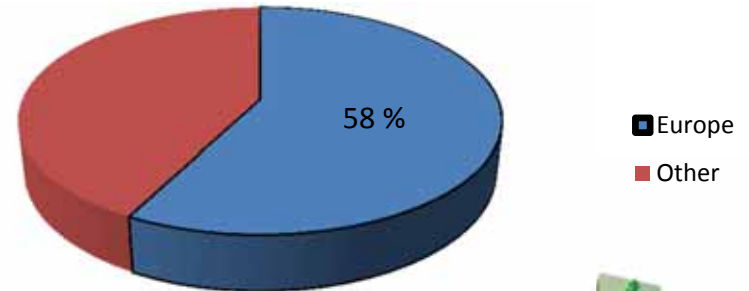
## Pulp



## Sawn wood



## Plywood



Source: ABRAF

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# Brazilian forests



\*Country wide, Brazilian forest plantations are  $\frac{3}{4}$  eucalyptus

\*States of Parana and Santa Catarina are predominantly pine

# Pine seedling nursery



# Recent pine reforestation

protected species, native forest in riparian zone





# First year weed control

60° average temp, 55" rainfall



# 2 year old pine plantation



# Thinning 8 year old pine stands, 50-50 pulp wood and sawmill logs



Thinning logs at sawmill, 2.3 to 2.6 (7.5-8.5')  
meter lengths, 16-20 cm (6-8") diameter



# Finished bed slats for Europe



# 12 year old thinned pine forest



# Mature pine and Eucalyptus forest



# Harvesting 18 year old mature pine





# Forwarder and log decks



16 year old veneer logs, 2.6 meters (8.5'), 26 cm (10") and larger



2.6 meter (8.5') length, 19-25cm (7.5-10") diameter saw logs



# Munck log loader



# Pulpwood for OSB panels

protected Araucaria pines



# Public road used for hauling

35km from paved highway



# Truck assist with skid tractor



# Unloading trucks at fencing sawmill, 4 meter lengths (long logs)





# Barked pine logs on band mill deck



# Fencing for export to Southern US



# Veneer log delivery



# Veneer block steam treatment



# Spindleless veneer lathe



# Green veneer ready for shipment



# Conclusion

- Very productive plantation forests
- Native forests mostly reserved
- Good private forestry and harvesting practices
- Poor transportation infrastructure (public roads)
- Flexibility to increase production
- Large inventory of Eucalyptus forests
- Wood framing not customarily used in housing
- No round wood log exports
- Pulp, sawn wood and plywood exports
- Market opportunities for Asia and North America

# *Forest2Market: The highest quality wood raw material analysis available*

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