构建可持续的供应链:中国林产工业的经验借鉴 Building Supply Chain for a Sustainable Future: Perspectives & Lessons Learned from the Chinese Forest Sector

曹晓治 博士,首尔国立大学/雨林联盟

Dr. Xiaozhi (Jeff) Cao, Seoul National University / Rainforest Alliance

Eric Hansen 教授,俄勒冈州立大学

Dr. Eric Hansen, Oregon State University

Jeff Morrell 教授,俄勒冈州立大学

Dr. Jeff Morrell, Oregon State University

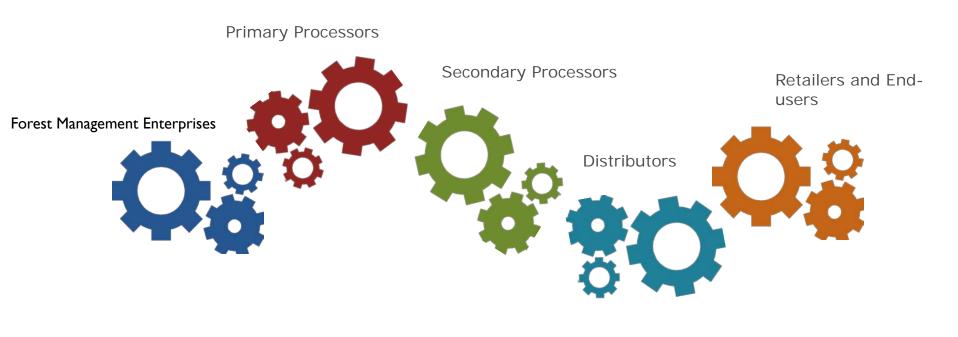


Content 内容提要

Industry Background 行业背景 Research Findings 研究发现 Lessons Learned/Case Study 经验/案例

Supply Chain: Comprehensive System connecting forests & consumers

供应链:链接森林和消费者的综合体系



producers / processors

buyers / exporters / importers

distributors / brands / retailers / industry groups

consumers

Land use practices

Business practices

Consumer behavior

土地使用方式

商业实践

消费者行为

Different Paths to Sustainability

通向可持续的不同途径

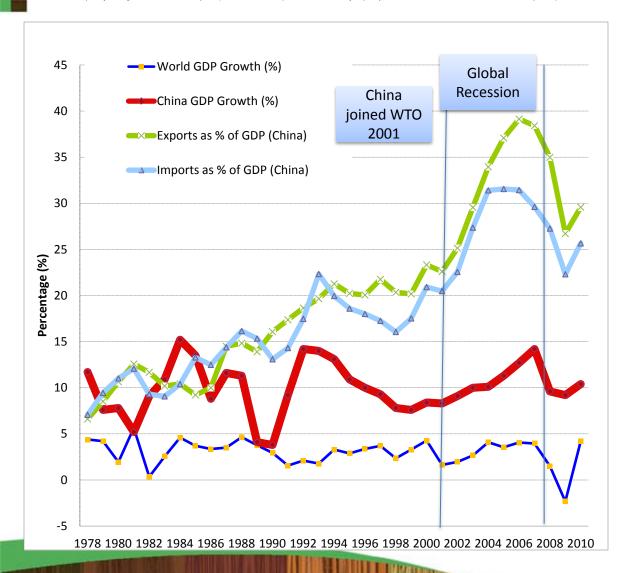
The fundamental difference 根本区别

Responsible 负责任

Irresponsible 不负责任

FP Industry in Transition Calls for Sustainability

可持续是转型中的林产工业的需要





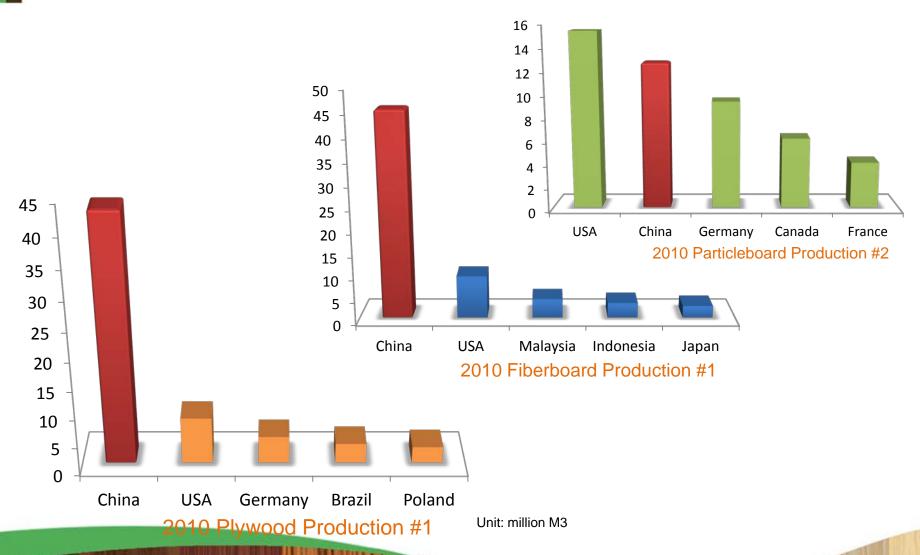




Data Source: World Bank 2010

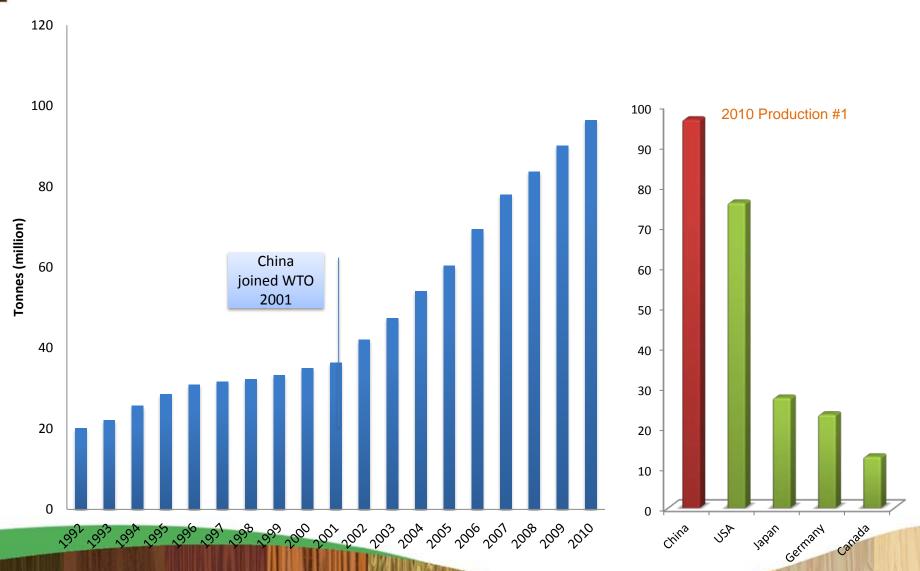
Wood Panels Production

人造板产量



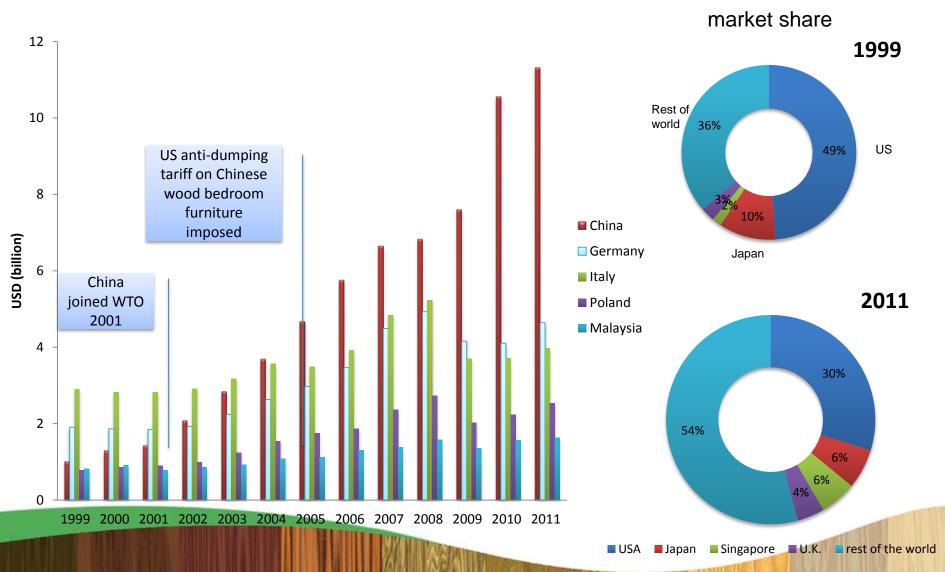
Paper & Paperboard Production

纸与纸板产量



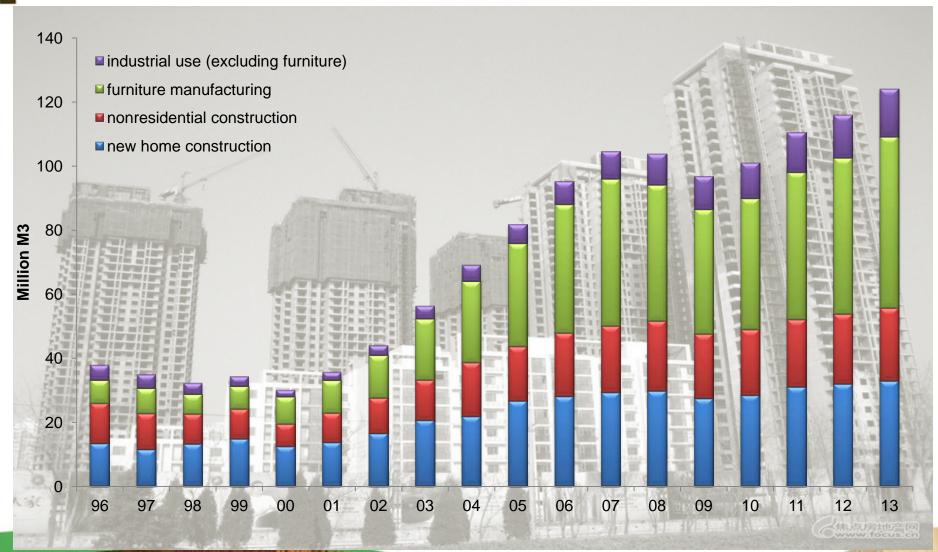
Wood Furniture Exports

木家具出口



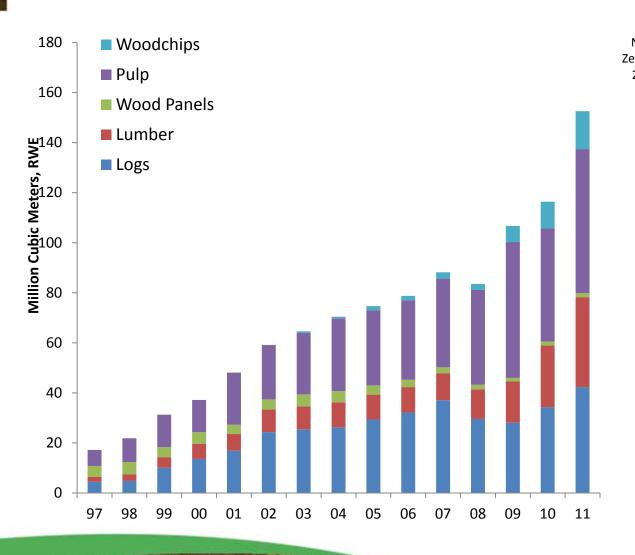
Domestic Wood Consumption

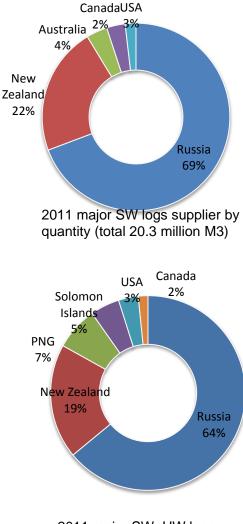
国内木材消费



Challenge: Growing timber deficit

挑战:不断增长的木材缺口

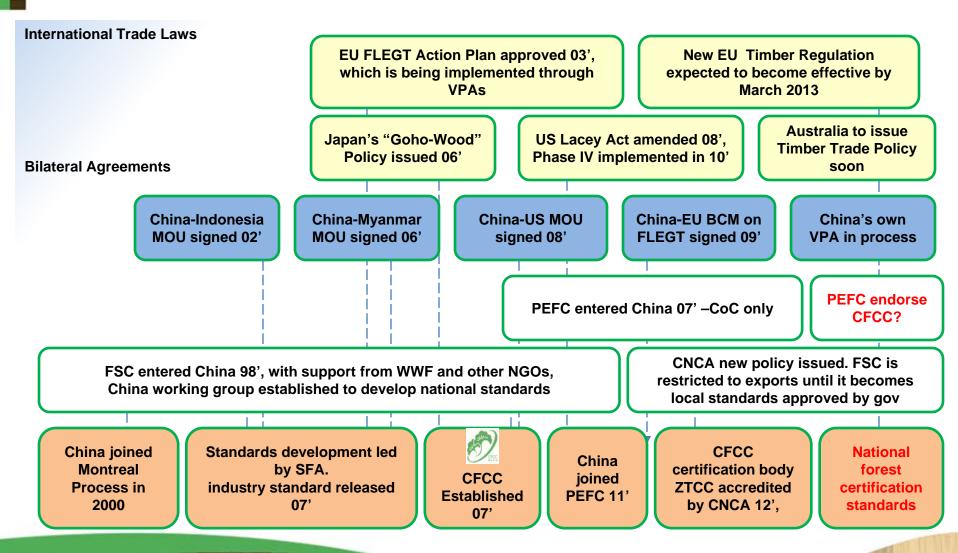




2011 major SW+HW logs supplier by quantity (total 28.1 million M3)

Challenge: Changing Regulatory Environment

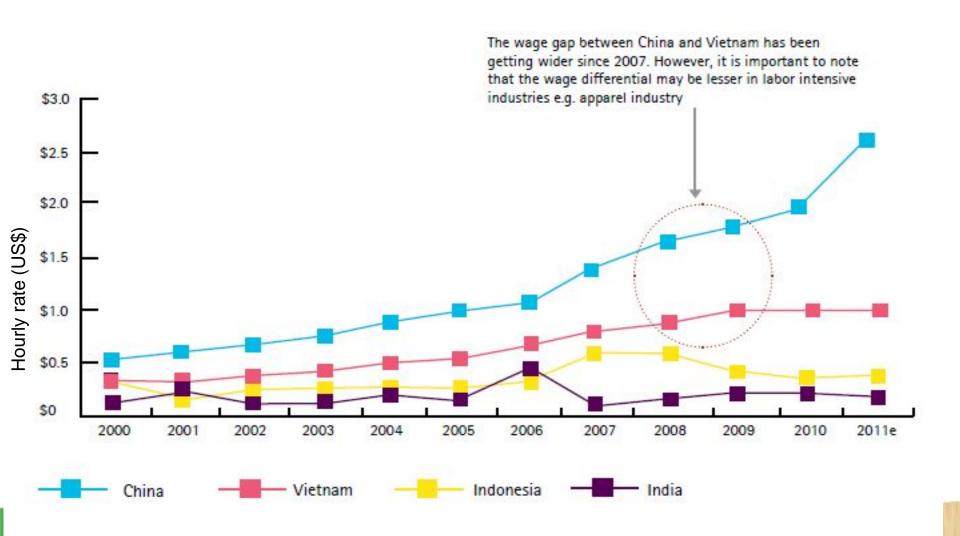
挑战: 变化的法规环境



late1990s-2000 2001 2002-2010 2011-2012 2013...

Challenge: Rising Competition from Low Cost Countries

挑战: 与低成本国家之间的竞争加剧



Data: Managerial Interviews

数据: 采访高级管理人员

	Organizations Interviewed 受访机构		1
	Industry Association 行业协会	China Wood Products and Timber Distribution Association;	sh
	International Development Agency 国际发展机构	USAID's Responsible Asia Forestry and Trade (RAFT) Program;	
亚洲负责任4 1 转型 1 林业料	NGOs 非政府组织	The Forest Trust (TFT); The Nature Conservancy (TNC); Rainforest Alliance; WWF/GFTN-China;	
(方:而共民皇 (分) 而共民皇 (金) (2)	Private Companies 私营企业	B&Q China Wood International; Haworth; IKEA;	4 1 1
## S	Research Institutes 研究机构	European Forest Institute's FLEGT Asia Program; Northland College; Yale University;	い所製を

A sustainable supply chain can bring about

可持续供应链的可以带来

 Reliable supply: securing access to sustainable raw material sources

 Legal compliance: international / domestic trade regulations (FLEGT, Lacey Act...)

 Enhanced reputation: strengthening bond with customers, staff and shareholders

- Economic benefits: finding unexpected efficiency gains in the supply chain
- Better buyer-supplier relationship: accountability and trust
- Social and environmental benefits
- ...



Enabling factors of sustainable supply chain

可持续供应链的促成因素



Lessons Learned: strong commitment from both buyers and suppliers

经验分享:买家和供应商的大力支持



























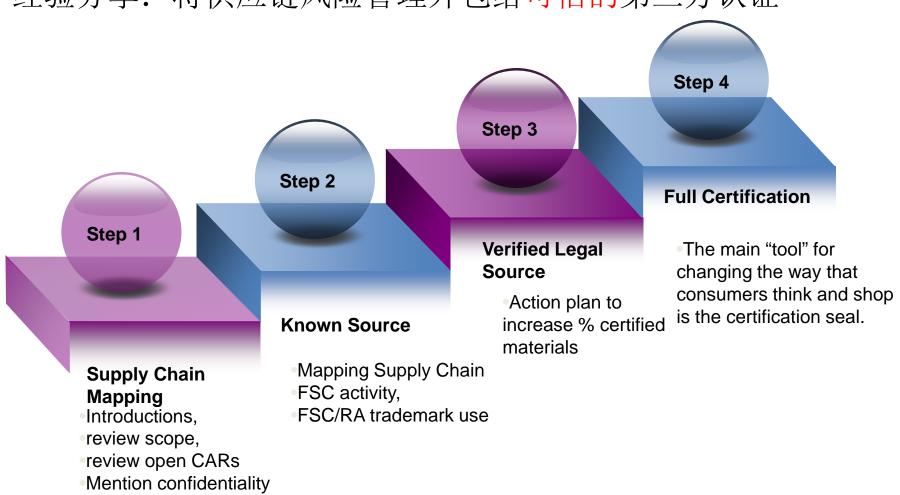




PEPSICO

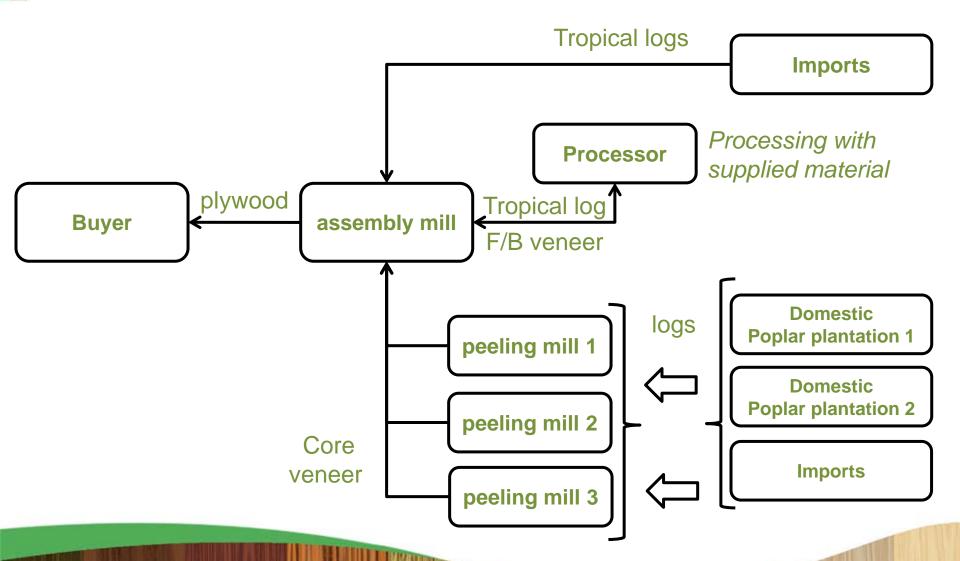
Lessons Learned: Outsourcing Supply Chain Risk Management to Credible Third-Party Certification

经验分享:将供应链风险管理外包给可信的第三方认证



Case study: plywood supply chain

案例分析: 胶合板供应链



Plywood Assembly Mill 胶合板筛选组坯车间

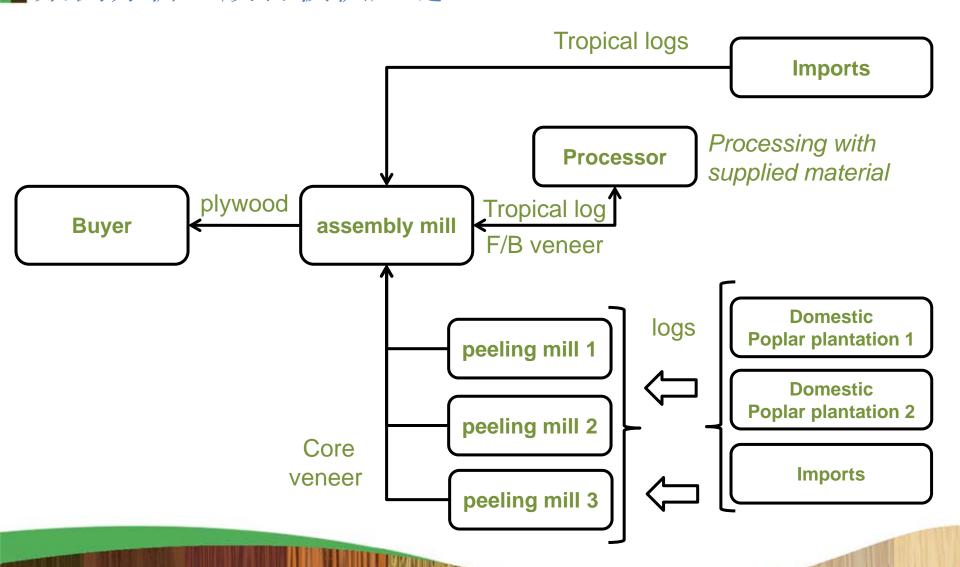


Plywood Industry Buyer 胶合板企业用户



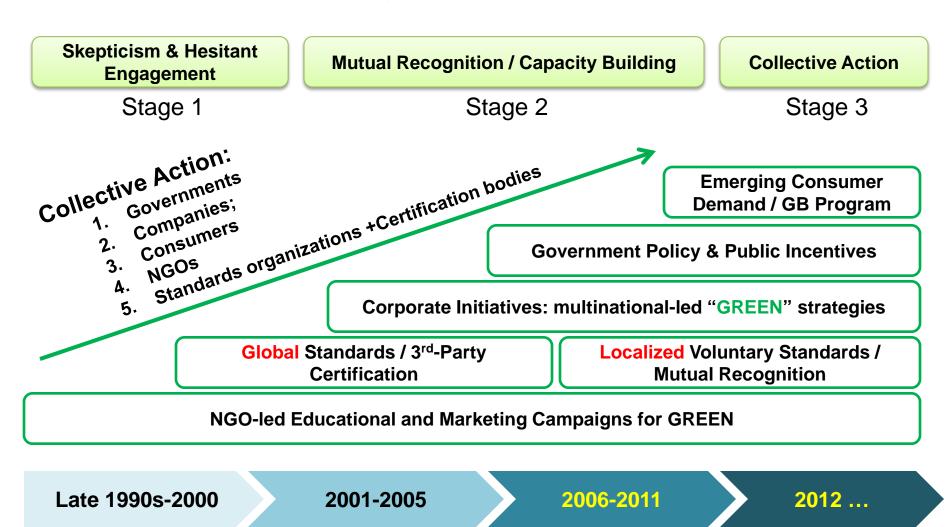
Case study: plywood supply chain

案例分析: 胶合板供应链



Toward a Sustainable Future: Collective Actions

可持续未来的发展模式: 多方协作



Thankyou



