



Advancing Sustainable Forest Management: Rehabilitating Wood Products in Global Markets

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UNFF13 Side Event
Sustainable Wood for a Sustainable World
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INTERNATIONAL TROPICAL TIMBER ORGANIZATION (ITTO)



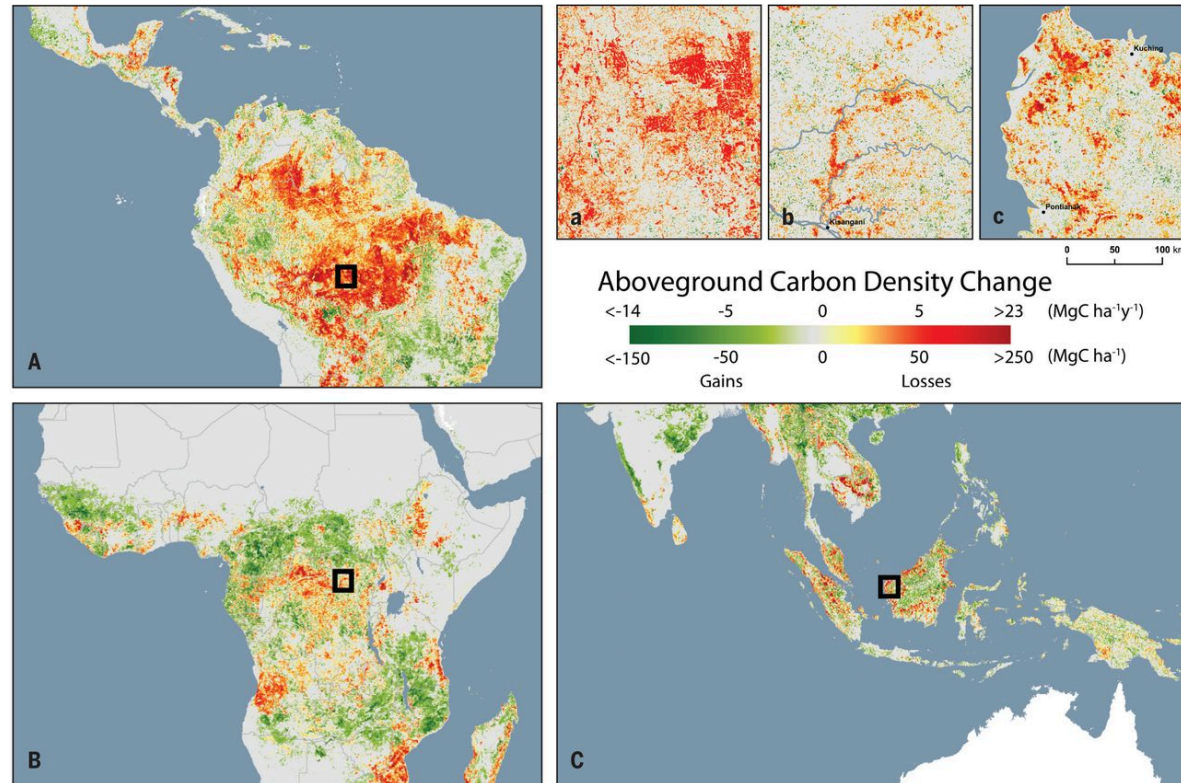
Outline of the Presentation

- Fresh look at deforestation and forest degradation
- Wood Security: Need for reinvesting in forest landscape to close demand-supply gap for commodities.
- The triple win: Why integrated supply chains are important
- The role of ITTO in the SW4SW CPF initiative

Tropical forest degradation: geography of carbon density change



- Tropical forests are a **net release of carbon** of $425.2 \pm 92.0 \text{ Tg C yr}^{-1}$ (losses of $861.7 \pm 80.2 \text{ Tg C yr}^{-1}$ and gains of $436.5 \pm 31.0 \text{ Tg C yr}^{-1}$ from forest growth)
- Losses result from (i) deforestation and (ii) reductions in carbon density within standing forests (**degradation**) accounting for **68.9%** of overall losses



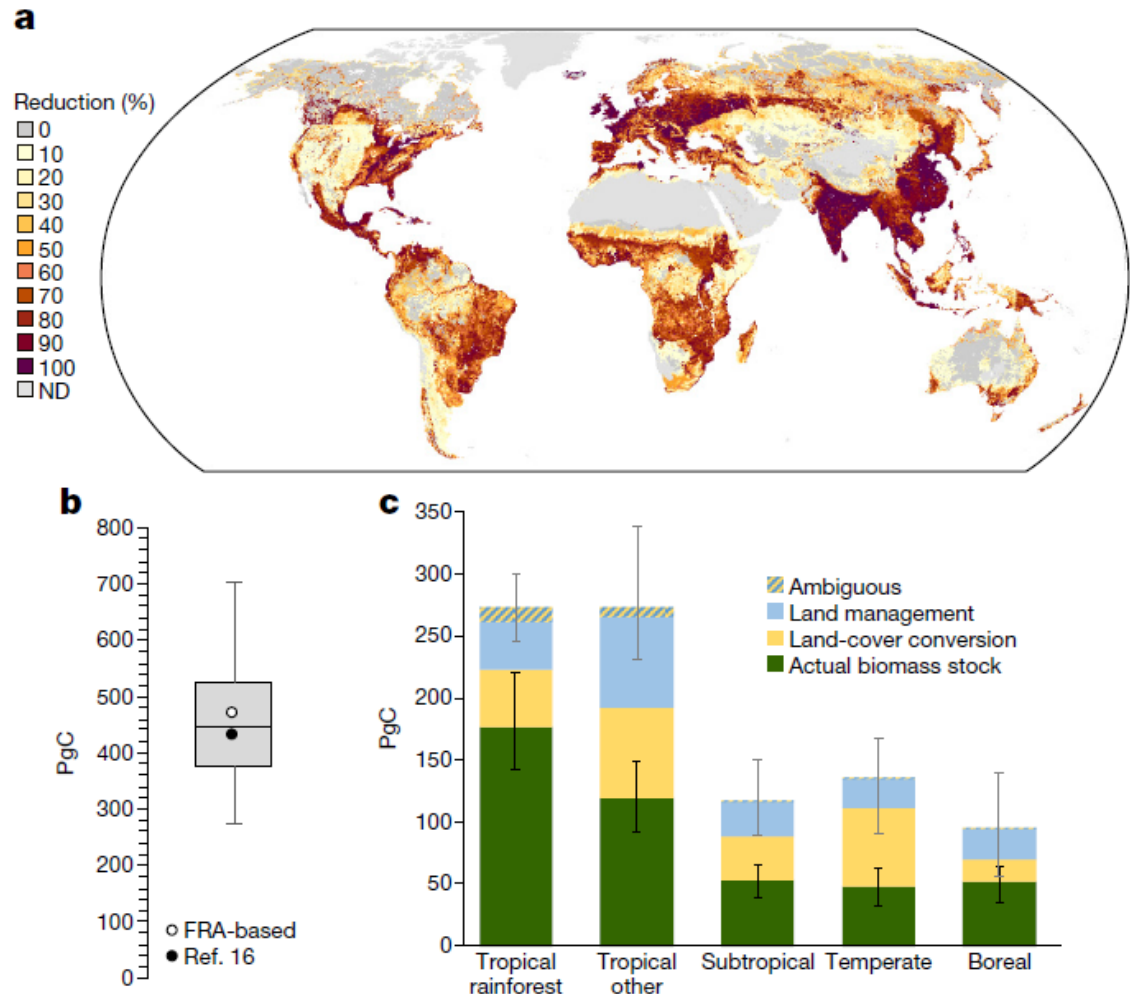
A. Baccini et al. Science 2017;science.aam5962



Large impact of forest management and grazing on global vegetation biomass



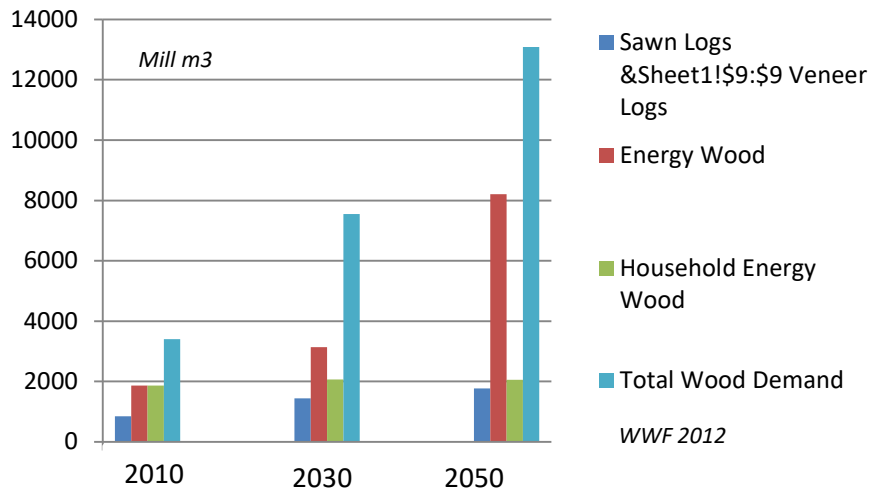
- Land management effects (forest management and grazing) contribute **42-47 % to the reduction of C stocks**
- On-site preservation of carbon stocks on **managed forests** and raising the **contribution of biomass** to raw material and energy supply for CC mitigation



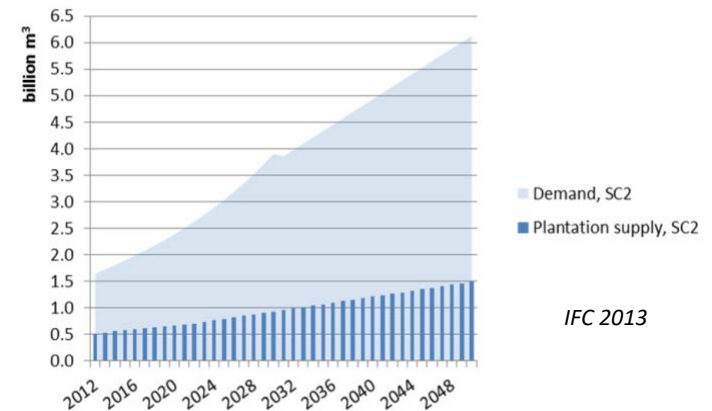


Increasing Global Wood Demand

Increasing global demand for wood

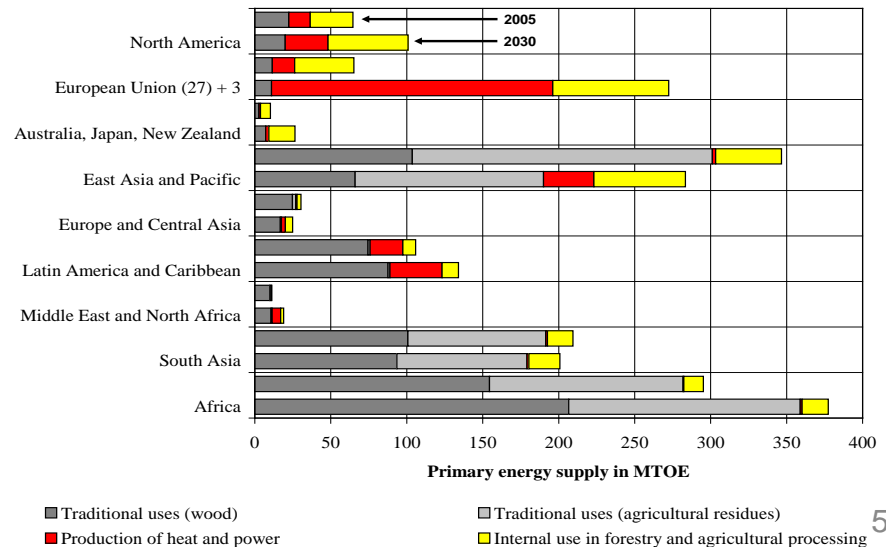


Increasing Gap for Industrial Roundwood

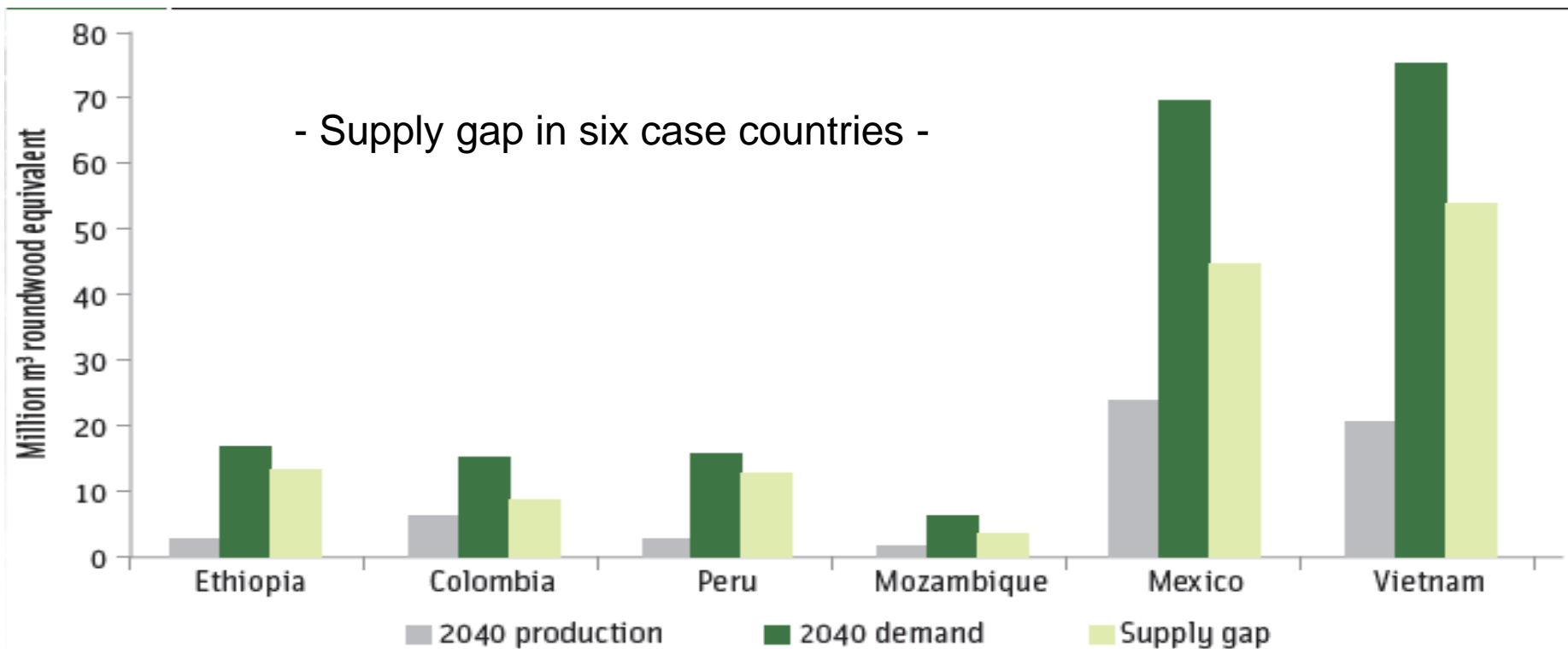


Demand in woodfuel and charcoal continues to increase

- 2.8 billion people will depend on traditional fuels in 2030
- Massive increase in demand for energy wood in industrialized countries

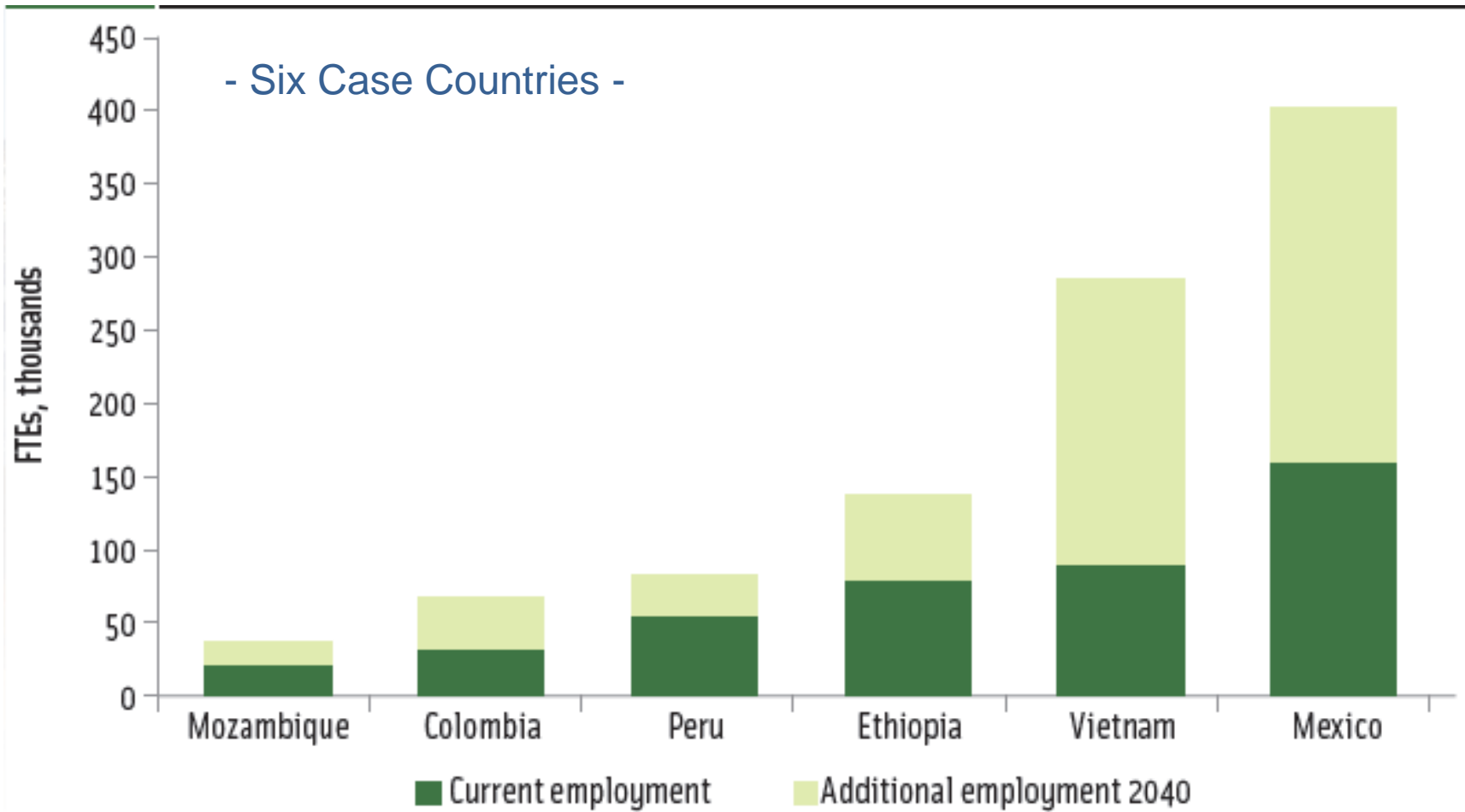


Projected HWP Supply Gap in 2040 under current conditions



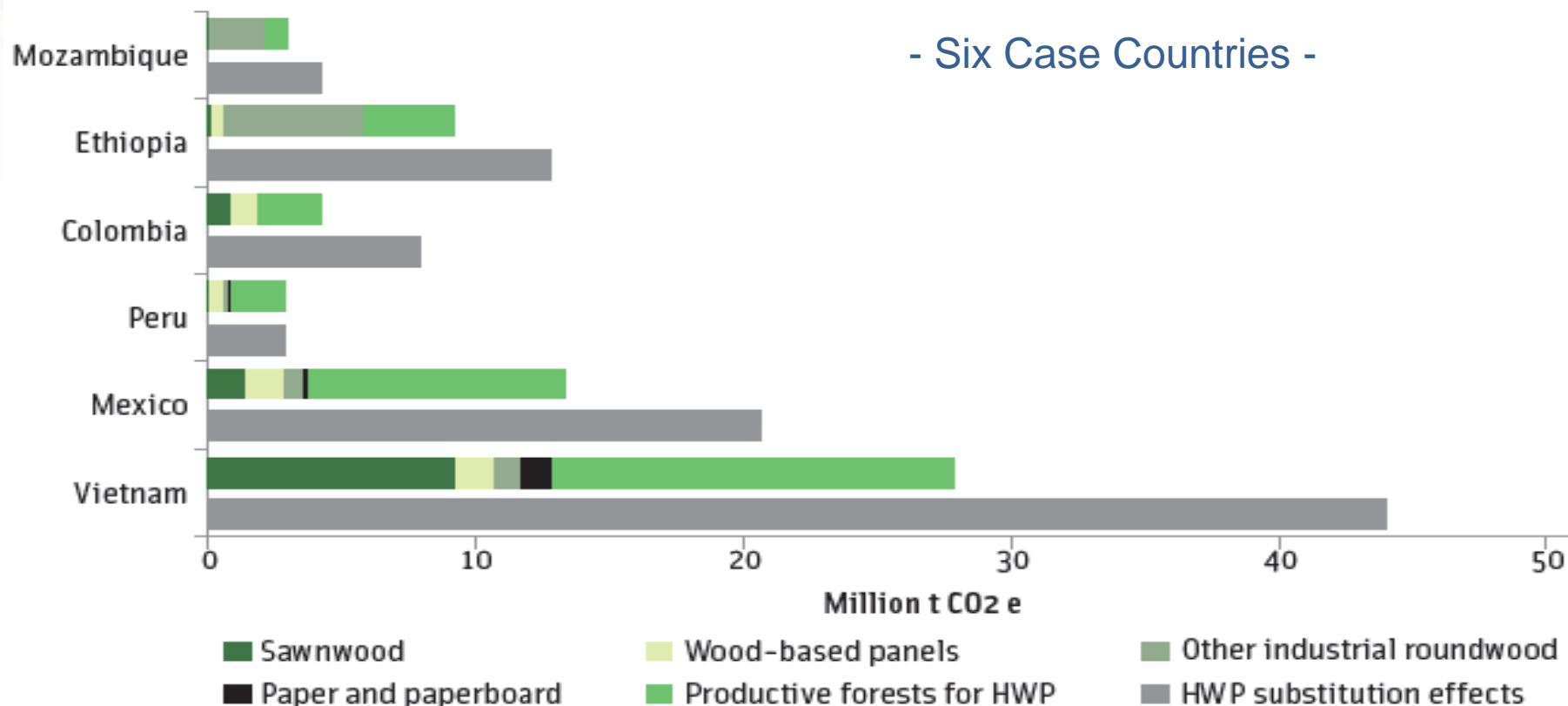
Note: HWP = harvested wood products; m = meter.

Employment Benefits of the Green Growth Scenario



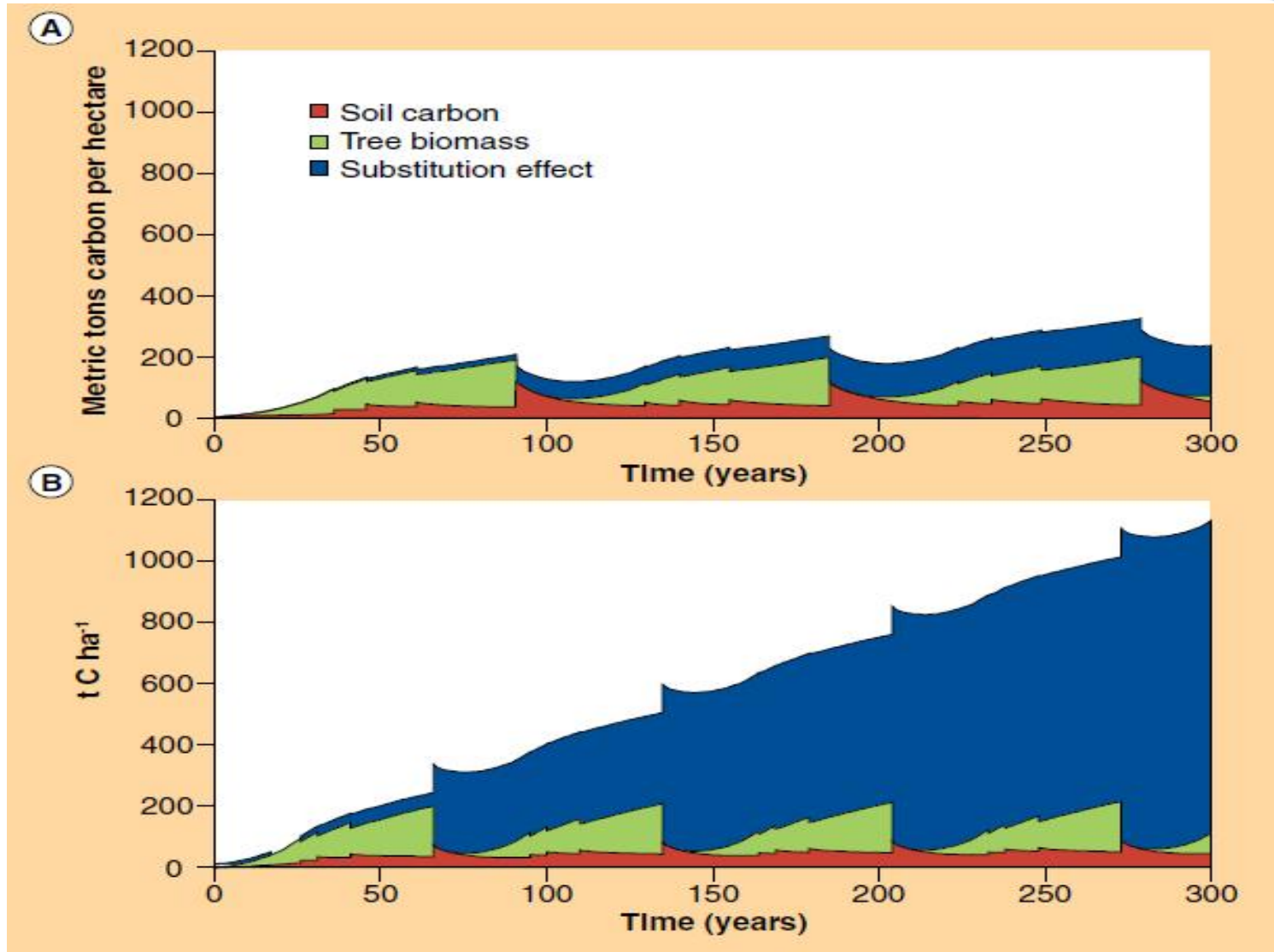
Note: FTEs = full-time equivalent workers.

Mitigation Potential of the Green Growth Scenario



Note: HWP = harvested wood products; t CO₂ e = tons of carbon dioxide equivalent.

Mitigation Benefits of Sustainable Forestry Value Chain



Multiple wins from Sustainable Forest Supply Chains



- Economic Growth
- Poverty reduction
- “Wood Security”
- Additional climate mitigation benefits: Emission reduction + Co2 removals+ Substitution + Storage:
 - Potential is up to 8GtCO₂/year
- Increased environmental/biodiversity benefits
- Global water regime

Need for capacity building throughout Green supply chains

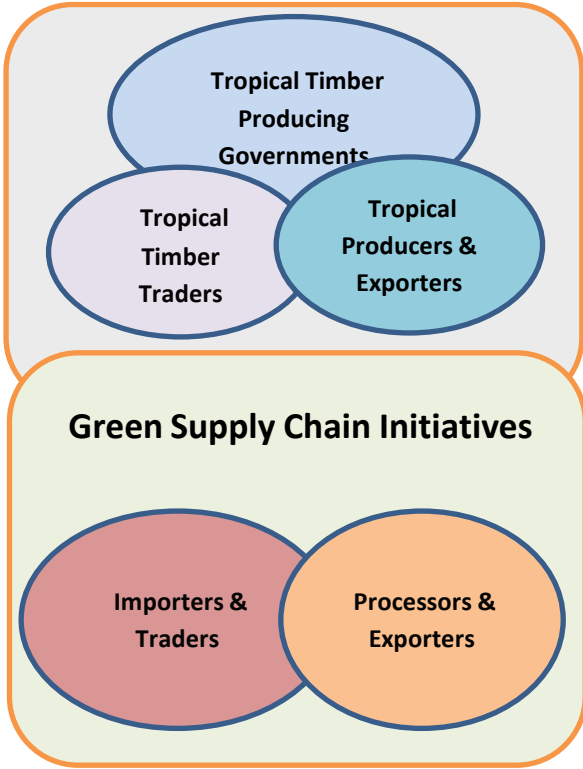


International and National Legality and Sustainability Frameworks

SDGs, UNSPF, National Policies, Intl. Agreements, Proofs of Legality (Certification Schemes, Timber Tracking Systems, DNA Fingerprinting,)

Need for Capacity Building

- Landscape Planning, Policy & Regulatory & Institutional Frameworks, Capacity Building , Analysis,
- Market Information, Guidelines, Capacity Building Self-organization, Access to Markets
- Data Base, Intl. Connectivity, Expert Advice, Market Monitoring, Capacity Building
- Market Information, Intl. Outreach, Training and Capacity Building, Networks
- Analysis, Information, Monitoring ...



Demand for Legal and Sustainable Products



National, Regional and International Markets; Consumers ; Advocacy Groups

Urgent Need for Action

The contribution of the CPF SW4SW Initiative



- Creating awareness across international forest regime; policy processes, broad public
- Promoting the paradigm of bio-economy
- Capacity building at all levels: producers, traders, processors and consumers
- Developing universal procurement criteria and GSC guidelines to reduce complexity
- Piloting supply chains/markets: from legality to sustainability
- Support emerging green supply chain initiatives



Thank You!

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