

Welcome Back to TFD's

# Scoping Dialogue on Climate Positive Forest Products (CPFP)

26 April, **29 April**, and 03 May 2021  
Virtual via Zoom

*#CPFPscoping*



# CPFP Dialogue Coordination and Support

## CPFP Advisory Group

*Stephanie Burrell – WEF*

*Kerry Cesareo – WWF*

*Robyn van den Heuvel – Dahlberg*

*Ben Kaiser – Kaiser+Path*

*Jamie Lawrence – Good Energies*

*Antti Marjokorpi – Stora Enso*

*Rachel Pasternack – TNC*

*Sarah Price – Sappi*

*Fabrizio Rossi - Climate-KIC*

*Rod Taylor – WRI*

*Mark Wishnie – BTG Pactual*

*Yuan Yao – Yale University*

## Climate Smart Forest Economy Program Collaborators



WORLD  
RESOURCES  
INSTITUTE



**Dalberg**



Climate-KIC is supported by the  
EIT, a body of the European Union



## Convener and Host

**Yale** SCHOOL OF THE ENVIRONMENT  
*The Forest School*



TFD Team + Rapporteurs

# Dialogue Ground Rules

## TFD Operates under the Chatham House Rule

*“Participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s), nor that of any other participant, may be revealed”.*

- The “Spirit” of dialogue
- Practice active listening
- Participate as individual
- Take space, make space
- Virtual engagement
- Help define and own the outcomes

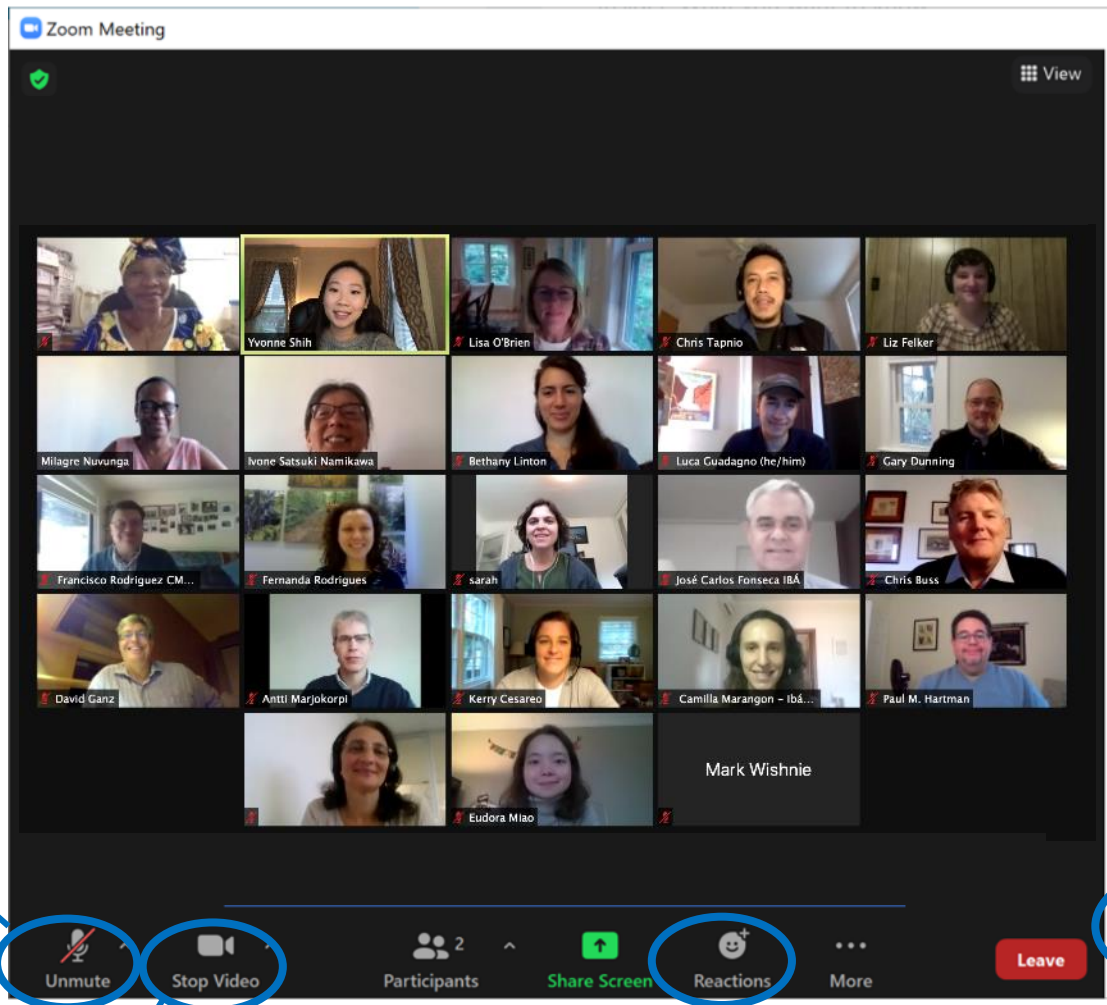




Mute yourself when not talking so we can listen to others!



We'd love to see your face!



rename

Rename yourself full name – (optional) affiliation

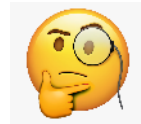
Raise Hand



Raise hand to participate in the discussion! (facilitator will invite you to unmute)

Chat area with 'Type message here...' and 'To: Everyone' dropdown

Type your questions or comments as they come up!



Let us know how you are feeling!







# Agenda – Day 2

10:00 Welcome, Ground Rules, Agenda, Co-Chairs Introductions

10:15 Summary of Session 1 and overarching themes

10:25 Stakeholder perspectives

10:40 Breakout Discussion 1

11:20 Break

11:30 Breakout groups report back

11:55 Breakout Discussion 2

12:35 Break

12:45 Breakout groups report back

12:55 Wrap up and adjourn

Day 3 – 3 May 10:00 – 13:00

\*Background paper feedback and discussion session – 30 April, 11:00 – 12:00

(All times in EDT)



# Dialogue Co-Chairs



**Caitlin Clarke** – The Nature Conservancy

**Lauren Cooper** – MSU, Forest Carbon and  
Climate Program

**Ben Kaiser** – Kaiser + Path Architecture

**Mokena Makeka** – Dalberg Advisors

**Steve Marshall** – Mass Timber Strategy

**Sarah Price** – Sappi Europe

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# Climate Positive Forest Products

*Scoping Dialogue: Day 1 Overview*

# Emerging Themes from Day 1

Forest Health, Ecosystem services and Biodiversity Considerations	Forest + Landscape Management	Climate Change Mitigation (and projections)	Social Considerations (human impacts, equity, livelihood, etc.)	Regional variation in supply, need, and risk	Supply and market dynamics for Timber	Barriers to scaling up Mass Timber Industry	Built Environment + Demand
<p>Ecosystem services (carbon as only one, also water, air)</p> <p>Non-timber, non-market forest values</p> <p>Forest habitat and biodiversity</p> <p>Resilience, defining healthy forests</p>	<p>Timescale of carbon on landscape</p> <p>Types of forest management systems and species</p> <p>“Climate-smart” practices</p> <p>Identifying opportunities (restoration, intensive management)</p>	<p>Mitigation potential in natural and built environments</p> <p>Uncertainty in carbon accounting</p> <p>Trade-offs of wood products</p> <p>Urgency of climate as a catalyst</p>	<p>Equity in benefits and providing materials and labor</p> <p>Indigenous Peoples, local communities</p> <p>Governance and land rights</p>	<p>Regional forest availability and wood use from a societal perspective</p> <p>Global south versus global north considerations</p> <p>Challenges facing developing countries</p>	<p>Product substitution for other materials</p> <p>Substitution for other wood uses (cascading uses)</p> <p>Sourcing – use, geography, availability of key species</p> <p>Relationships and influence of key actors</p> <p>Ethics and transparency</p> <p>Material reuse</p>	<p>Familiarity with material</p> <p>Infrastructure and skills</p> <p>Path dependency</p>	<p>Urban planning, housing needs (bioeconomy)</p> <p>Circular Design</p> <p>End of life of mass timber</p> <p>Planning and Decision-makers</p> <p>Bioeconomy, waste materials from urban areas, adhesives and other inputs (non-wood)</p> <p>Materials reuse</p> <p>Perception change</p>



# *Theme: Forest Health, Ecosystem services and Biodiversity Considerations*

- Key sub-themes
  - *Ecosystem services (carbon as only one - also water, air, etc.)*
  - *Non-timber, non-market forest values*
  - *Forest habitat and biodiversity*
  - *Resilience, defining healthy forests*
- Examples – participant contributions from Day 1
  - Issue of definitions of biodiversity and getting some degree of consensus of its importance to combat monoculture
  - How biodiversity, water, and other resources are affected if harvest for mass timber increases. It's not just about CO2 - need to consider all resource impacts
  - How [can we] also discuss ecosystem issues related to this question? Water, biodiversity, soil conservation
  - Emphasize potential win-win of climate change & biodiversity goals through increased timber demand. In tropics, build on experience from agroforestry while identifying suitable native species
  - Linking mass timber not just to climate change but also biodiversity
  - How to assess biodiversity, and to have common method with other [building] materials

# *Theme: Forest + Landscape Management*

- Key sub-themes
  - *Timescale of carbon on landscape*
  - *Types of forest management systems and species*
  - *“Climate-smart” practices*
  - *Identifying opportunities (restoration, intensive management)*
- Examples – participant contributions from Day 1
  - Climate-smart forests: estimating holistic value of carbon sinks of wood products, substitutions
    - Need for holistic approach.
  - Develop a domestic forest products industry to preserve forest cover (and introduce some form of checks and balances)
  - Linking good forest management to low carbon construction in the developing world
  - How can wood be produced with a lower environmental and carbon footprint?
  - Afforestation: Balancing pros and cons of introducing foreign species
  - Diverging views around
    - a) whether we should/should not increase harvesting in forests and
    - b) how we manage forests for these products and whether this depends on ecological differences across regions

# *Theme: Climate Change Mitigation (and projections)*

- Key sub-themes
  - *Mitigation potential in natural and built environments*
  - *Uncertainty in carbon accounting*
  - *Trade-offs of wood products*
  - *Urgency of climate as a catalyst*
- Examples – participant contributions from Day 1
  - We need negative emissions in the climate space - this is one of the only industries available now that can be scaled.
  - Issue of permanence - transferred from forest to buildings. If the buildings are demolished in a few years ..... there is no [long term storage] benefit
  - Challenges in consistent reporting climate benefits/trade-offs of wood products
  - Can we address the bottlenecks fast enough to address climate change?

# *Theme: Social Considerations (human impacts, equity, livelihood, etc.)*

- Key sub-themes
  - *Equity in benefits and providing materials and labor*
  - *Indigenous Peoples, local communities*
  - *Governance and land rights*
- Examples – participant contributions from Day 1
  - Forest governance in supplying country -- concession structure, customary land use practices
  - [need to] create a more stable and sustainable forestry industry than a boom-bust log export industry.
  - We should be aware of those regions of the world where Indigenous Peoples are fighting for recognition of their land rights and restitution of those lands, possibly lands that may be considered "wastelands". Indigenous Peoples should be partners in the development of mass timber industries, not victims of land grabs.
  - How can we make sure we have best use of available timber? Ensure all needs are satisfied, including the needs of the poor, such as their needs for fuelwood. Unequal access to resources is linked to poverty.
  - Opportunities for investment to address unequal access to materials, such as fuelwood in addition to construction.

# *Theme: Regional variation in supply, need, and risk*

- Key sub-themes
  - *Regional forest availability and wood use from a societal perspective*
  - *Global south versus global north considerations*
  - *Challenges facing developing countries*
- Examples – participant contributions from Day 1
  - Which regions will be more/less suited to supply timber products.
  - International piece of this problem is both an opportunity and a complication/challenge.
    - ....growth is going to come from Africa and China where increased wealth and urbanization are going to drive increased construction demand.
    - This convo is still very much a Global North conversation: the literature is very northern, the building designs are very sophisticated, etc. Yet there will be a huge need in the Global South.
  - We don't have good global/regional data for analysis on costs: if we start building these things, what does it mean for forest supply, planting, management?
  - Availability of "degraded land" by region – how to estimate and leverage?
    - The building boom will be in Global South. Global South will also benefit the most from forest restoration.



# *Theme: Supply and market dynamics for Timber*

- Key sub-themes
  - *Product substitution for other materials*
  - *Substitution for other wood uses (cascading uses)*
  - *Sourcing – use, geography, availability of key species*
  - *Relationships and influence of key actors*
  - *Ethics and transparency*
  - *Material reuse*
- Examples – participant contributions from Day 1
  - Cascading levels of use of timber and options for substituting use of timber for lower levels (toilet paper, fuelwood)
  - Need greater synergy across the value chain
  - Addressing various scales of risk: Market changes will have big impacts
  - Will the demand for more wood products lead to more forests?
  - Research in wood species and adhesive technologies within mass timber products

# *Theme: Barriers to scaling up Mass Timber Industry*

- Key sub-themes
  - *Familiarity with material*
  - *Infrastructure and skills*
  - *Path dependency*
- Examples – participant contributions from Day 1
  - Global campaigns and focus on deforestation can have a huge impact on the ability of some regions to develop a mass timber industry
  - Concerned about making mistakes and regretting it -- but we need to accept that this is an experiment, and we will make mistakes, but we need to see the impact and course correct along the way
  - There are going to be trade-offs between being quick and addressing this sense of urgency and getting things right
  - What would need to be done to scale up the infrastructure / skills to meet growing sustainable mass timber needs?

# *Theme: Built Environment + Demand*

- Key sub-themes
  - *Urban planning, housing needs*
  - *Circular Design and a bioeconomy*
  - *End of life of mass timber*
  - *Planning and Decision-makers*
  - *Waste materials from urban areas, adhesives and other inputs (non-wood)*
  - *Materials reuse*
  - *Perception change*
- Examples – participant contributions from Day 1
  - Need holistic vision of housing sector in general for ensuring transformative change. Waste reduction for new construction.
  - Circular design, how to design products for deconstruction and recycling
  - End of life of mass timber, how to reuse and recycle
  - Where is the waste going? Is there a higher and better use for the waste so that we don't take more from the forest.
  - Volume of people and depth of challenge was a very strong message

## *Cross cutting themes (in process)*

- Public perception
- Demand
- Innovation
- Safeguards / avoiding negative consequences
- Scale (local, region)

# Emerging Themes from Day 1

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<p>Ecosystem services (carbon as only one, also water, air)</p> <p>Non-timber, non-market forest values</p> <p>Forest habitat and biodiversity</p> <p>Resilience, defining healthy forests</p>	<p>Timescale of carbon on landscape</p> <p>Types of forest management systems and species</p> <p>“Climate-smart” practices</p> <p>Identifying opportunities (restoration, intensive management)</p>	<p>Mitigation potential in natural and built environments</p> <p>Uncertainty in carbon accounting</p> <p>Trade-offs of wood products</p> <p>Urgency of climate as a catalyst</p>	<p>Equity in benefits and providing materials and labor</p> <p>Indigenous Peoples, local communities</p> <p>Governance and land rights</p>	<p>Regional forest availability and wood use from a societal perspective</p> <p>Global south versus global north considerations</p> <p>Challenges facing developing countries</p>	<p>Product substitution for other materials</p> <p>Substitution for other wood uses (cascading uses)</p> <p>Sourcing – use, geography, availability of key species</p> <p>Relationships and influence of key actors</p> <p>Ethics and transparency</p> <p>Material reuse</p>	<p>Familiarity with material</p> <p>Infrastructure and skills</p> <p>Path dependency</p>	<p>Urban planning, housing needs (bioeconomy)</p> <p>Circular Design</p> <p>End of life of mass timber</p> <p>Planning and Decision-makers</p> <p>Bioeconomy, waste materials from urban areas, adhesives and other inputs (non-wood)</p> <p>Materials reuse</p> <p>Perception change</p>



# Breakout group Discussions #1

What are the connections and what is missing? Use this question to brainstorm and lead into ...

What are the concerns and risks that need to be considered related to this theme?

What are the remaining questions? Gaps in knowledge?

<b>1</b>	<b><i>Forest Health, Ecosystem services and Biodiversity Considerations</i></b>
	<b>Sub-Themes:</b> <ul style="list-style-type: none"><li>•Ecosystem services (carbon not the only one, also water, air)</li><li>•Non-timber and non-market forest values</li><li>•Forest habitat and biodiversity</li><li>•Resilience, defining healthy forests</li></ul>
<b>2</b>	<b><i>Forest + Landscape Management</i></b>
	<b>Sub-Themes:</b> <ul style="list-style-type: none"><li>•Timescale of carbon on landscape</li><li>•Types of forest management systems and species</li><li>•“Climate-smart” practices</li><li>•Identifying opportunities (restoration, intensive management)</li></ul>
<b>3</b>	<b><i>Climate Change Mitigation (and projections)</i></b>
	<b>Sub-Themes:</b> <ul style="list-style-type: none"><li>•Mitigation potential in natural and built environments</li><li>•Uncertainty in carbon accounting</li><li>•Trade-offs of wood products</li><li>•Urgency of climate as a catalyst</li></ul>
<b>4</b>	<b><i>Social Considerations</i></b>
	<b>Sub-Themes:</b> <ul style="list-style-type: none"><li>•Equity in benefits and providing materials and labor</li><li>•Indigenous Peoples, local communities</li><li>•Governance and land rights</li></ul>



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# Breakout group Discussions #2

What are the connections and what is missing? Use this question to brainstorm and lead into ...

What are the concerns and risks that need to be considered related to this theme?

What are the remaining questions? Gaps in knowledge?



## 5 *Regional variation in supply, need, and risk*

### **Sub-Themes:**

- Regional or N/S considerations
- Global south versus global north considerations
- Challenges facing developing countries

## 6 *Supply and Market Dynamics for Timber*

### **Sub-Themes:**

- Product substitution for other materials
- Substitution for other wood uses (cascading uses)
- Sourcing – use, geography, availability of key species
- Relationships and influence of key actors
- Ethics and transparency
- Material reuse

## 7 *Barriers to Scaling up Mass Timber Industry*

### **Sub-Themes:**

- Familiarity with material
- Infrastructure and skills
- Path dependency

## 8 *Built Environment and Demand*

### **Sub-Themes:**

- Urban planning, housing needs (bioeconomy)
- Circular Design
- End of life of mass timber
- Planning and Decision-makers
- Bioeconomy, waste materials from urban areas, adhesives and other inputs (non-wood)
- Materials reuse
- Perception change

# Wrap up

Phase	Action	Safeguards	Finance
Preparation & readiness	<ul style="list-style-type: none"><li>• REDD strategy</li><li>• Protocols</li></ul>	<ul style="list-style-type: none"><li>• Transparency</li><li>• Participation</li></ul>	Multilateral & bilateral grants (FCPF / UN-REDD)
Policy & measures	<ul style="list-style-type: none"><li>• Capacity</li><li>• Policy</li></ul>	<ul style="list-style-type: none"><li>• Stakeholder platform</li><li>• Soc env audit</li><li>• PIC</li></ul>	<ul style="list-style-type: none"><li>• Grants and loans</li><li>• Global facility</li><li>• Domestic &amp; others</li></ul>
Performance-based payments	<ul style="list-style-type: none"><li>• C</li><li>• V</li></ul>	<ul style="list-style-type: none"><li>• RV system</li><li>• / system</li></ul>	<ul style="list-style-type: none"><li>• Voluntary market</li><li>• Compliance market</li><li>• Non-market compliance fund</li></ul>





# Adjourn

See you all back on 3 May - 10:00 EDT!

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Preparation & readiness	<ul style="list-style-type: none"><li>• REDD strategy</li><li>• Protocols</li></ul>	<ul style="list-style-type: none"><li>• Transparency</li><li>• Participation</li></ul>	Multilateral & bilateral grants (FCPF / UN-REDD)
Policy & measures	<ul style="list-style-type: none"><li>• Capacity</li><li>• Policy</li><li>• Platform</li></ul>	<ul style="list-style-type: none"><li>• Stakeholder platform</li><li>• Procurement</li><li>• Monitoring &amp; evaluation</li></ul>	<ul style="list-style-type: none"><li>• Grants and loans</li><li>• Global facility</li><li>• Domestic &amp; others</li><li>• Voluntary market</li></ul>
Performance-based payments	<ul style="list-style-type: none"><li>• Carbon</li><li>• Verification</li></ul>	<ul style="list-style-type: none"><li>• MRV system</li><li>• Payment system</li></ul>	<ul style="list-style-type: none"><li>• Compliance market</li><li>• Non-market compliance fund</li></ul>

