

Climate Smart Forest Economy Program Unlocking Forests' Potential

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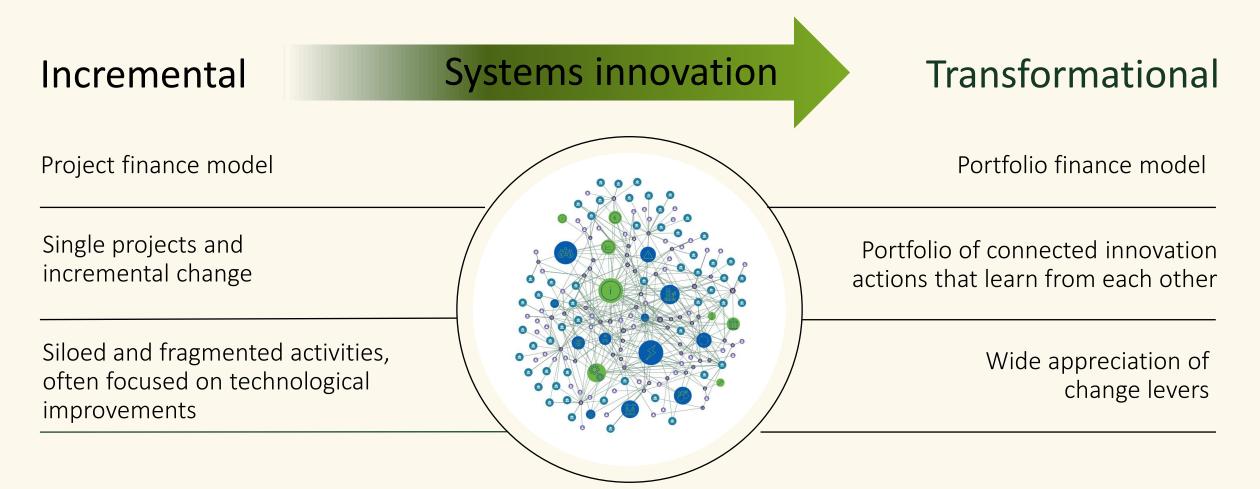
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A COLLABORATION BETWEEN: EIT CLIMATE-KIC AND DALBERG





Climate-KIC is a climate innovation agency and **community** working to catalyse decarbonisation and resilience **transformations** through **systems innovation**





THE PROBLEM To solve the converging crises of today, we must transform forests, cities, and the relationship between them.



Sources: Griscom, et al, "<u>Natural Climate Solutions</u>," PNAS, October 16, 2017; The World Bank, <u>Urban Development Overview (worldbank.org)</u>, retrieved May 29, 2023; "Embodied Carbon: A Hidden Heavyweight for the Climate," Programme for Energy Efficiency in Buildings, October 2021.



THE SOLUTION Creating a **holistic** system for Climate Smart Forest Products to **benefit forests**



With one holistic approach, we can address the multiple challenges facing forests and cities, linking them to form a single, connected value chain that maximizes the climate and social benefits.

> Looking beyond these siloed challenges, we can maximize the **SINK** benefits of the forests, the carbon **STORED** in the wood products, and the fossil-carbon **SUBSTITUTION** of materials in the built environment.



THE OPPORTUNITY: The Climate Smart Forest Economy Program

After completing a 2.5 year proof-ofconcept, CSFEP is deepening and strengthening our approach. Aiming to grow at 50-100% annually, its scope is global, with a particular focus on the Global South, where growing populations are creating substantial opportunity for a climate smart solution that supports both forests and cities. The Climate Smart Forest Economy Program is an EVIDENCE-BASED ACTION HUB, providing leadership and disseminating best practices for climate-smart activities relating to forests and wood products.

It provides:

- → A thorough and growing body of core science, thought leadership, and perspectives, including a portfolio of innovative solutions and sustainable practices
- Rigorous and continuously improved set of evidence-based tools, including the <u>3S Framework</u> and <u>Safeguards Checklist</u>
- Real world implementation projects across multiple geographies that drive innovation, practical insights, and continuous scientific improvement of the 3S Framework
- → Advocacy to advise and advance local and national policy environments



<u>Stora Enso "Spring" HQ</u> – creating a climate smart flagship to inspire

others

PACIFIC NW– Turbocharging the development of a CSFE, creating a level playing field for tribal and rural communities

> CASSA, Guatemala – creating DIY, sustainable bamboo housing for climate refugees

Breakthrough Initiatives (BIs) help us understand challenges and opportunities across geographies, sectors, stakeholders, and project types to develop a diverse set of learnings. <u>Glasgow City Region</u>– developing a regional strategy for a forest economy

Barcelona Social Tower– supporting the development of an innovative timber social housing tower

> Easy Housing, Uganda Fostering a CSFE for affordable pre-fab housing initially in Ghana pivot to Uganda

> > Marina Tower, Gabon Using a flagship mass timber building to pilot a CSFE

Bauhutte 4.0 - Creating a 3S-based "wood-to-city" value chain in

"wood-to-city" value chain in Berlin for affordable housing in wood

> Wood Architect Rockstars– leveraging the power of young Kenyan leaders to break the cycle of scepticism around wood in construction in SSA

East Africa – unlocking the 3S economy, building market demand and sustainable supply 3 areas of work

- Create Value Chain Alliances to deepen initiatives on the ground
- Launch global science based tools: 3 S
 Framework (maximise carbon benefits across the value chain) and Safeguards check list (avoid the unintended negative consequences)
- Expand a digital knowledge base of research and best practices to link innovative solution

<u>AKAH, India</u> – creating climate-resilient community housing, unlocking India's nascent industry and stimulating community economies through reforestation

<u>Bhutan</u> – supporting a national-level strategy and pilot project to unlock a CSFE across the country

> <u>New Zealand</u>– activating a sustainable and climate-smart forest-to-build approach, integrating indigenous Maori wisdom



CSFEP works with partners around the world

KEY PARTNERS



INITIATIVE PARTNERS





Climate Smart Forest Economy

Join us in this critical transformation and be part of the global solution to climate change.

To learn more, reach out to <u>robyn.vandenheuvel@dalberg.com</u> or Ulrike.linnig@climate-kic.org.





Appendix



To achieve this holistic economy, we need a systems solution to create a new paradigm

Around the globe, communities—especially under-resourced communities—face barriers in shifting to a holistic forest-to-city economy. They need a partner who brings experience earned in multiple geographies, a clear understanding of the science – and who can support them in working at all three levels of change.



CHANGE MINDSETS

Providing Evidence-Based Tools and Knowledge that Shift Thoughts and Actions



CHANGE RELATIONSHIPS

Growing Connections and Grassroots Power to Build a Movement

CHANGE STRUCTURES

Shifting Policies, Practices, and Resource Flows

CSFEP: Driving Impact at Scale



Over the next 3 years, CSFEP will work to influence market and policy leaders to unlock climate smart forest economies:

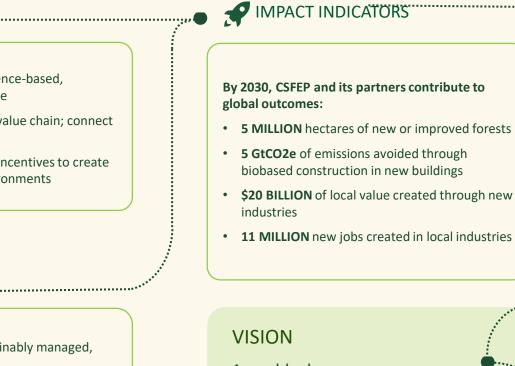
- Launch 3S and Safeguards tools
- Create Value Chain Alliances in priority regions worldwide for on-the-ground projects
- Expand a digital knowledge base of research and best practices
- Advocate for supportive policy and financial environments

SHORT TERM OUTCOMES

- Increase global access to evidence-based, actionable tools and knowledge
- Build relationships across the value chain; connect practitioners around the globe
- Remove barriers and develop incentives to create enabling policy and fiscal environments

LONG TERM OUTCOMES

- Increased forest cover in sustainably managed, climate smart forests
- Increased investment in forests
- Reduced emissions from construction
- Creation of carbon sinks in the built environment
- Maximized carbon storage across value chain, while ensuring social, environmental, and ecological benefits
- New green jobs in under-served markets with housing booms



A world where forests and forest products deliver their maximum benefits to climate, biodiversity, and prosperity.



The founding CSFEP Steering Committee brings a wealth of global experience in holistic forest-to-build projects



Jamie Lawrence Co-Founder, Xilva

Jamie is a senior forest expert and entrepreneur who led the rollout and acted as funder liaison for CSFEP's proof of concept phase. He has worked as a practicing forester, auditor, and regional manager before going on to work as trusted counsel to the leadership teams of multinational companies, international NGOs, and philanthropies. Jamie speaks fluent Spanish, lives with his family in Spain, and oversees a family woodlot. He holds a BSc in Forestry having studied in Spain, the UK, and the Netherlands.



Daniel Zimmer Sustainable Land Use Lead, Climate-KIC

In his current position, Daniel is developing and contributing to systemic global innovation projects in all land use domains - agriculture, forestry, nature - on behalf of the European Union. He has a global in-depth experience on climate and water related issues spanning from engineering to geopolitics. He was the Executive Director of the

World Water Council for nine years, an international umbrella organization of the water sector. He holds an Engineering Degree from AgroParisTech and PhD in Hydrology from Sorbonne University.



Mokena Makeka Principal, Dalberg Advisors

Mokena's passions lie in regenerative design, just ecology, and inclusive economies. Previous to Dalberg he has held a range of positions in green design and sustainable development, and has completed various executive leadership and business courses, including the Harvard Kennedy School and Oxford University. He is a Desmond Tutu Fellow, an Aliko Dangote Fellow, a 2020 Africa Leadership Aspen Fellow, and a member of the African Leadership Network. He holds a B.Arch. Dist. Hons, University of Cape Town.



Our Challenge: Current funding paradigms keep the status quo in place

	Silos	 Many foundations fund forestry and green construction separately, not at their intersection. 	•
	Funding that is restricted to specific projects or geographies	 Restricted foundation funding slows organizations' ability to respond to the emergent challenges of a new field. 	
	Global North Focus	 Foundations funding mass timber are often funding in the Global North, where the solution is more accepted. 	

Current funding paradigms result in a lack of holistic forestto-build efforts, particularly in the Global South—which reinforces current funding paradigms in a negative feedback loop.



Invest with CSFEP to catalyze a global transformation

Climate smart forest economies are a key solution to climate change, biodiversity loss, consumer demand and growing economies—but the world must move quickly.

The need is urgent and **CSFEP is ideally positioned** to lead the change.

With your partnership, CSFEP can **mitigate 5 GTC02e** of carbon and contribute significantly to **holding global climate rise to less than 2°C.**

CSFEP is looking to **raise \$2M per year** to accelerate its work over the next 3 years, and is looking for innovative partners to join us.

