



# PIONEERING TRANSPARENCY IN THE FOREST SUPPLY CHAIN

**ADVANCING FOREST PRODUCT SUPPLY CHAIN SUSTAINABILITY AND TRANSPARENCY UTILIZING CUTTING-EDGE BLOCKCHAIN TECHNOLOGY.**

## WHAT IS FORESTRUST?

**FORESTRUST, LLC, A WHOLLY OWNED SUBSIDIARY OF THE U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES IS A GROUNDBREAKING VENTURE AND COLLABORATION** between the U.S. Endowment for Forestry and Communities (Endowment), Chainparency, and consortium members, including Domtar and Wakefield Biochar.

ForesTrust is a blockchain network that registers transactions in an unchangeable digital ledger. These transactions are recorded in the ledger as a chain of data blocks via a consensus protocol that ensures each transaction's veracity and data integrity.

ForesTrust utilizes blockchain technology for a secure and streamlined forest product and fiber supply chain.



## WHY FORESTRUST?

Responsible forest management is a hallmark of our domestic forests and the products and fiber they produce. The forest sector now has the ability, through blockchain, to tell the story of sustainability through real time supply chain data and verifiable carbon accounting. Movement of wood and fiber through the supply chain, from origin to the consumer, is tracked immutably through blocks, which are hashed to create anonymity, yet can be used as needed for compliance, auditing, certification, requests for information, and administrative management. Information regarding ecological benefits, such as water quality, biodiversity, and stored carbon accounting are captured, reflecting the environmental benefits that forestry contributes. Anonymity is maintained on the chain, yet data is instantly available upon request and at the discretion of individual industry members.



Chainparency

**U.S. Endowment**  
for Forestry and Communities



From the tree to the consumer, the supply chain for forest products is often disjointed, cumbersome, and expensive to manage. Certification audits and management, can be onerous, time-consuming, and costly. ForesTrust fundamentally changes the and streamlines these processes.

Its value is realized in cost and time savings, transparency, and veracity at every point of the supply chain – helping to ensure the health and sustainability of forests, improving industry and market transparency, and ensuring consumers of the sustainability of forest products.

**With ForesTrust, industry benefits from:**

- Reduced administrative costs
- Timesaving, streamlined administrative processes from digitized contracts to instant financial transactions
- Real time data supporting sustainability and certification auditing
- Increased supply chain transparency from the stand to the consumer
- Carbon accounting capabilities
- Neutral and secure system infrastructure

The power of blockchain technology is fully expressed at scale. An industry wide adoption of supply chain management through ForesTrust would translate into elevating the entire industry, while improving the functions within individual companies.

*The work upon which this project is based was funded in part through a grant awarded by USDA Forest Service Wood Innovations. In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. (Not all prohibited bases apply to all programs.)*

To file a complaint of discrimination, write:  
USDA, Director, Office of Civil Rights,  
1400 Independence Avenue, SW  
Washington, DC 20250-9410  
or call toll free voice (866) 632-9992, TDD (800) 877-8339,  
or voice relay (866) 377-8642.



## WANT TO KNOW MORE?

Learn how you can be a part of the ForesTrust Blockchain Network.

Contact **Teal Edelen**, Program Officer  
U.S. Endowment for Forestry and Communities  
[teal@usendowment.org](mailto:teal@usendowment.org) (301) 466-6943