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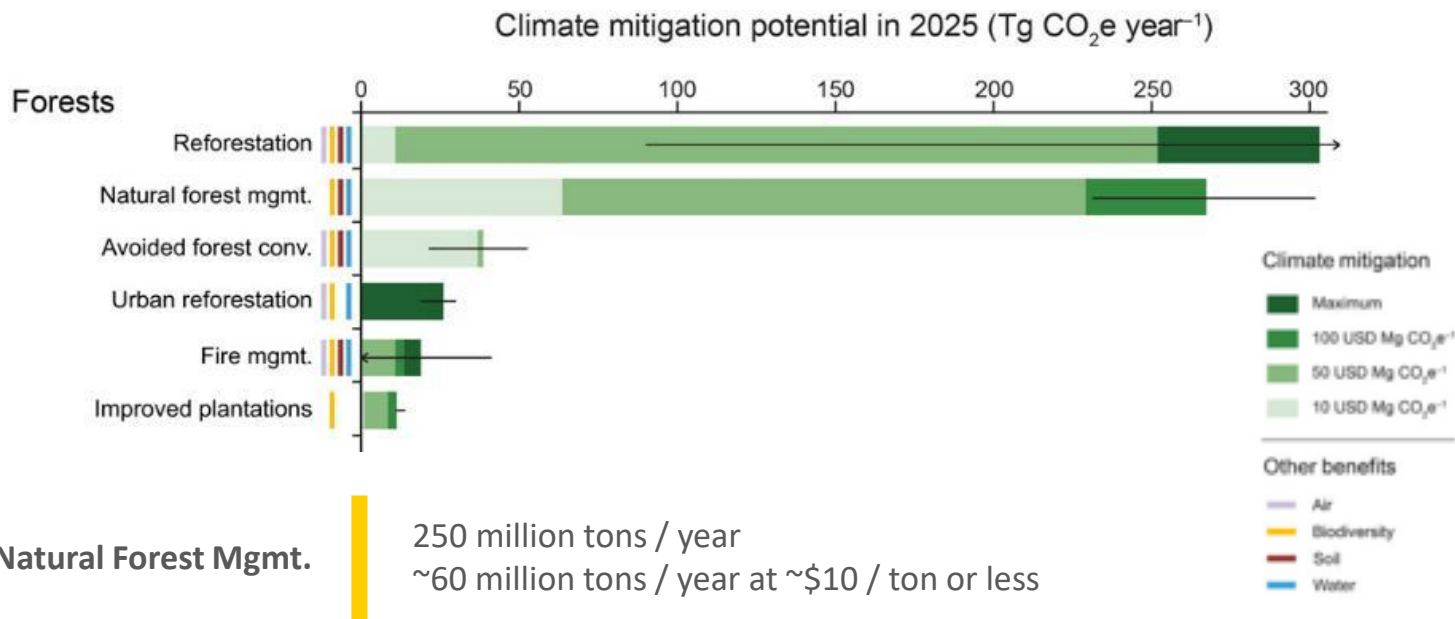
# An Introduction to the Family Forest Carbon Program

The Nature  
Conservancy   
Protecting nature. Preserving life.



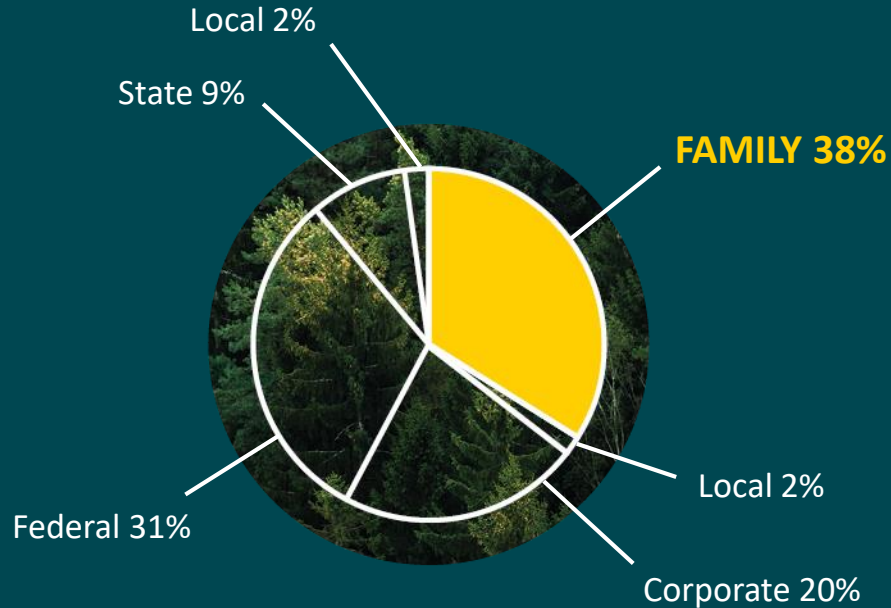
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# Climate Mitigation Potential, U.S., Land-Based



Climate mitigation potential and co-benefits of the different NCS pathways. Reproduced with permission from © PNAS

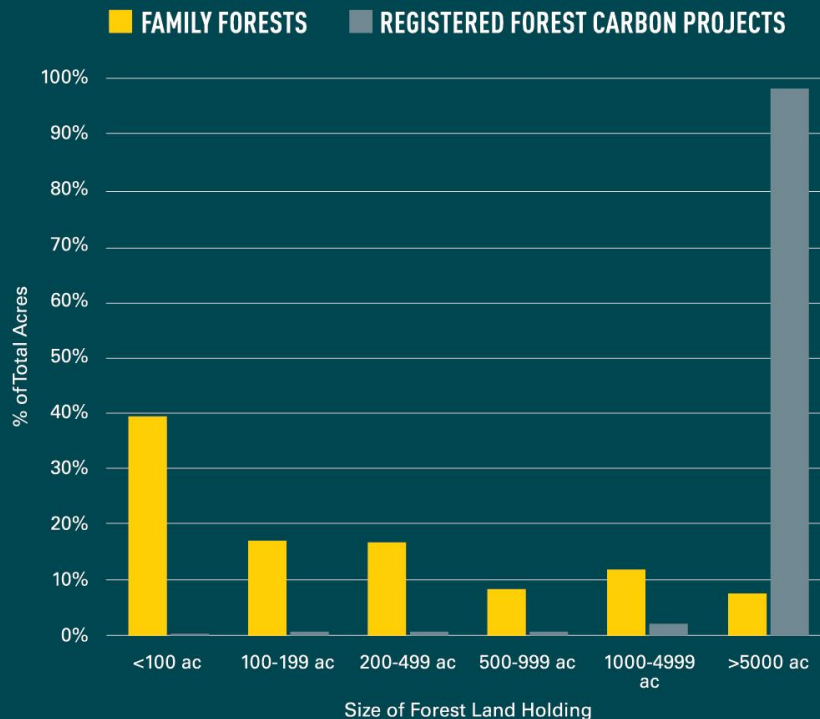
# Family-owned Forests are Key



- Families and individuals own the largest portion of U.S. forests
- More than the federal government or corporations
- This ownership group is vital for achieving meaningful conservation impact at scale

# Forest Carbon Projects vs. Forest Ownership Size

Ownerships less than 1,000 acres account for 80% of the acres, or less than 1% of the projects.



# Key Innovations that Enable Family Landowners to Participate in Carbon Markets

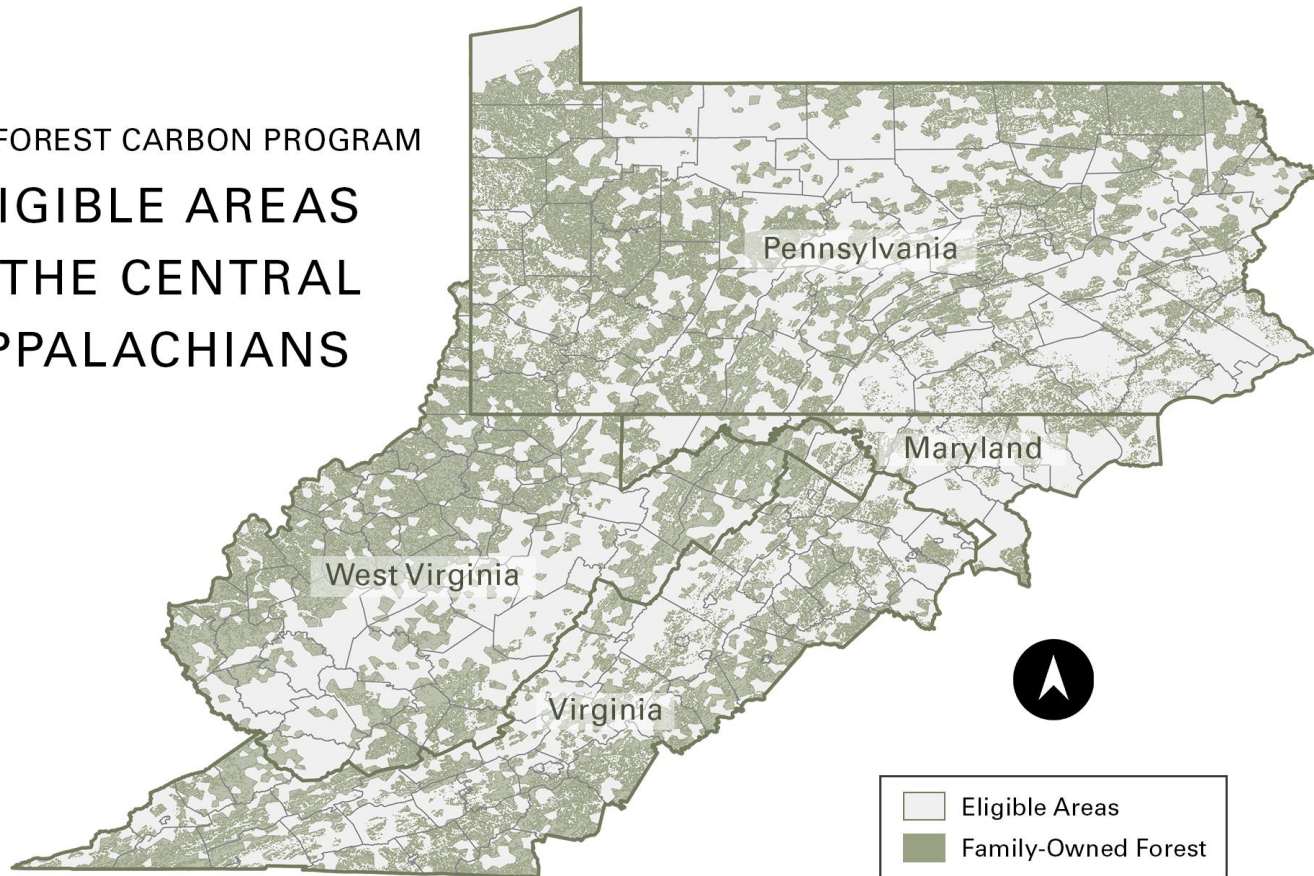
'TRADITIONAL' CARBON MARKETS	FAMILY FOREST CARBON PROGRAM
Pays landowners for carbon sequestered	Pays landowners to implement specific practices
Monitors carbon values on every property	Monitors practice implementation on every property; monitors carbon values on a landscape level using random sampling
High costs for monitoring on a per-property basis	Monitoring costs are high but spread across participating properties
Permanence addressed through 100 year contracts	20 year contracts; permanence addressed on program / landscape scale

# Where Are We Today?

- Recruiting landowners through the Learning Pilot in the Central Apps to validate supply-side hypotheses
- Pursuing verification of our carbon impacts under Verra's Verified Carbon Standard
- Building a financial pilot and recruiting needed market actors (carbon credit buyers, investors, etc.)
- Working with stakeholders on a carbon insetting protocol and platform
- Researching practices in other regions and building models to enable us to scale, including syncing FFCP with other conservation initiatives.

## FAMILY FOREST CARBON PROGRAM

# ELIGIBLE AREAS IN THE CENTRAL APPALACHIANS



State and county boundaries sourced from the U.S. Census Bureau in 2020.  
Family-owned forest data sourced from the USDA Forest Service in 2019. Eligible  
areas generated by the Family Forest Carbon Program in 2019.

Last updated: May 26, 2020, by Lynn Riley, [lriley@forestfoundation.org](mailto:lriley@forestfoundation.org)



FAMILY FOREST IMPACT  
FOUNDATION

The Nature  
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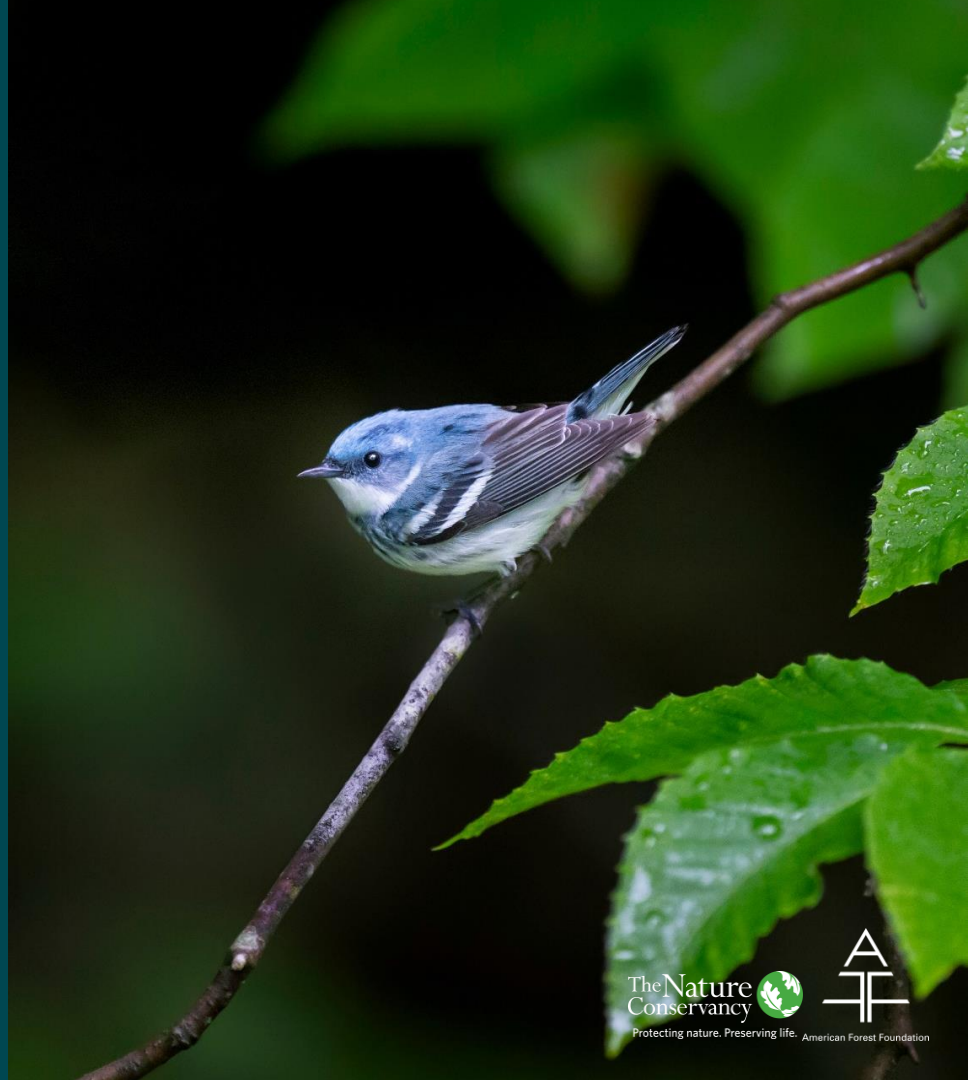
# Region 1: Central Appalachians

- If we can scale, will recruit 7,500 landowners and almost 600,000 acres through 2028
- Will generate 19.5 million carbon credits through 2057
- Credits can be used to “offset” residual emissions



# Growing Mature Forests Practice

- 20-year contract
- Practice specifications:
  - Develop two property-wide, 10-year forest management plans
  - Harvests are allowed but restricted:
    - No thinning from above (“high-grading”)
    - No more than 35% of basal area may be removed
- Payment covers part of the opportunity cost
  - \$110-\$400/acre

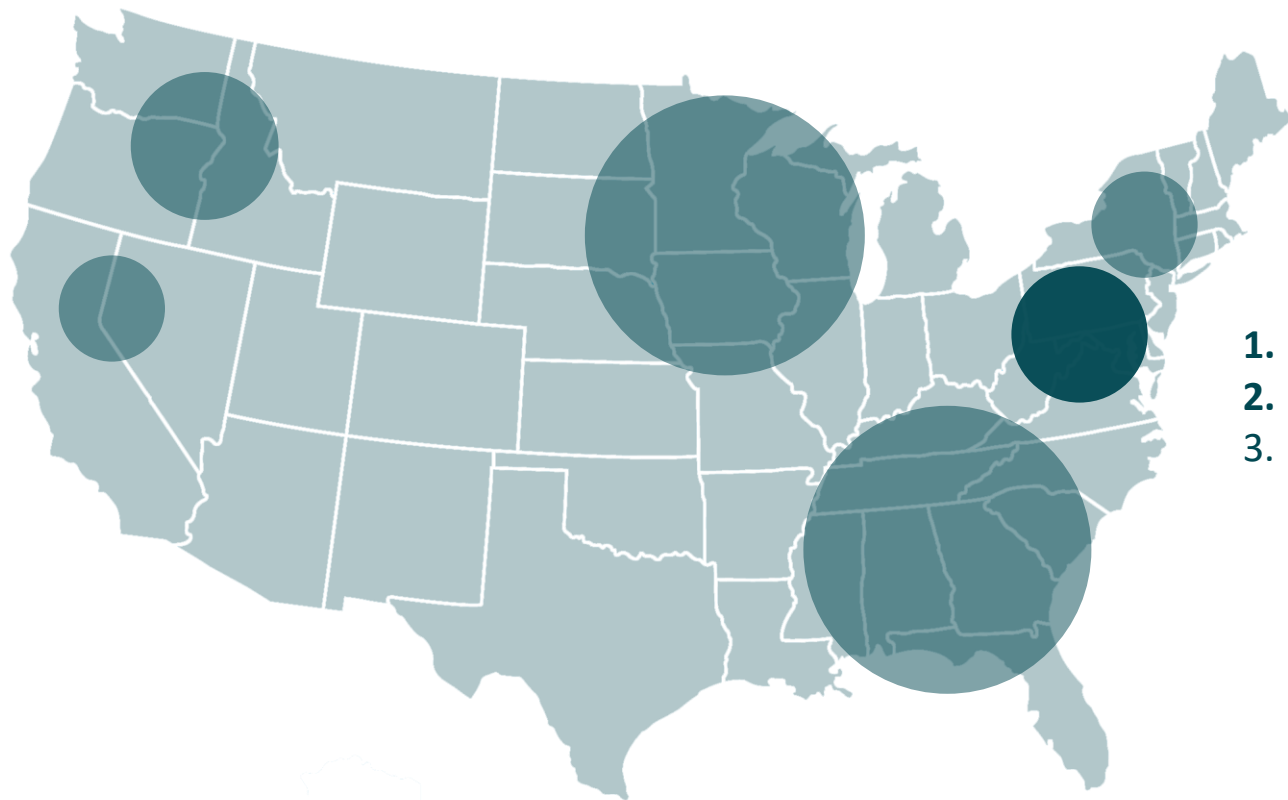


# Enhancing Future Forests Practice

- Former or future regeneration harvest site, where there is significant invasive or other undesirable competing vegetation
- 10-year contract with 30 years of carbon benefit
- Payment helps cover treatment of competing vegetation to encourage successful regeneration
  - \$50/acre - \$245/acre

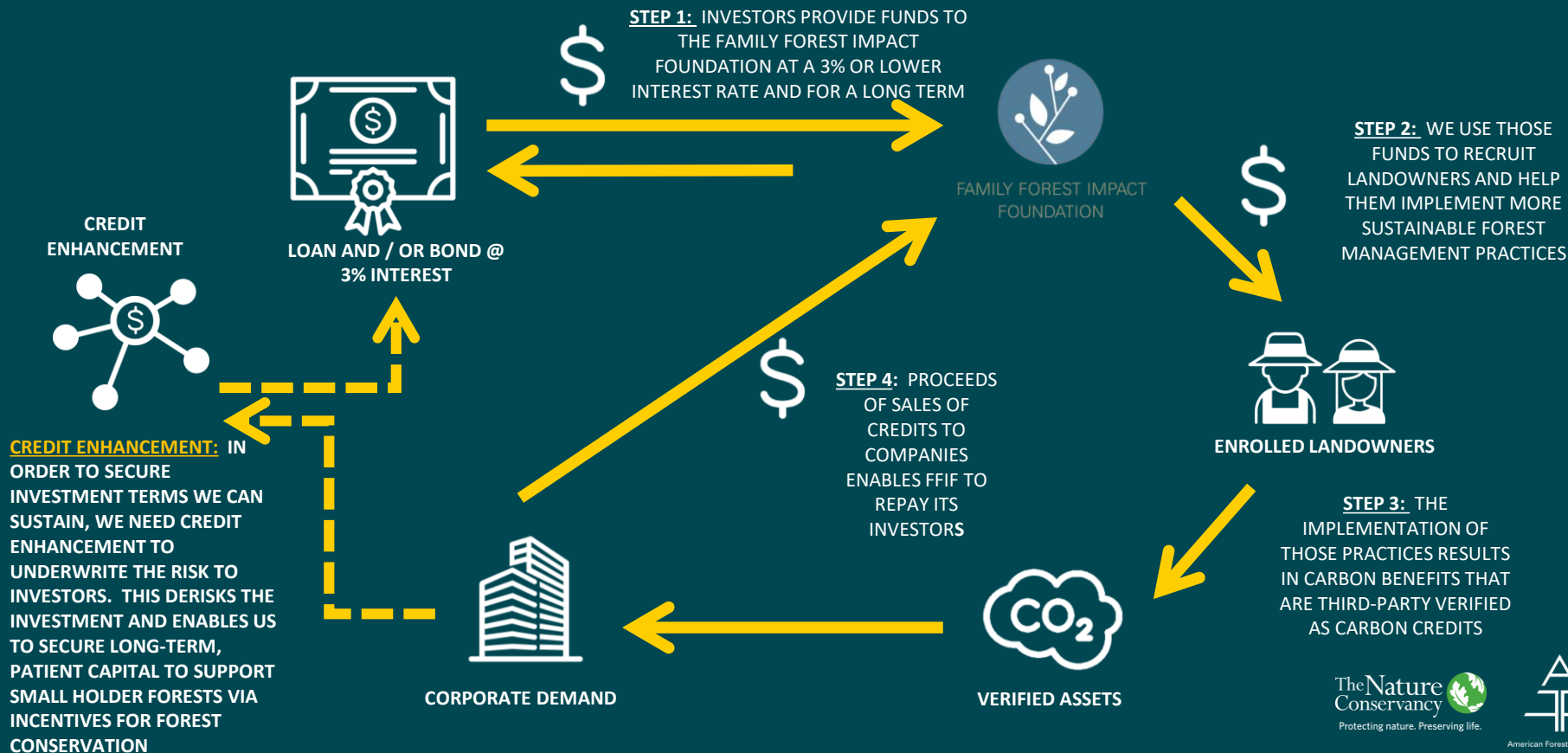


# Family Forest Carbon Program at Scale



- 1. Learning Pilot in 2020**
- 2. Financial Pilot in 2021**
- 3. Full Scale in Central Apps and multiple additional regional modules by 2023**

# Why leadership is catalytic: the FFCP financial model



# PARTNERS

## FUNDERS / INVESTORS



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