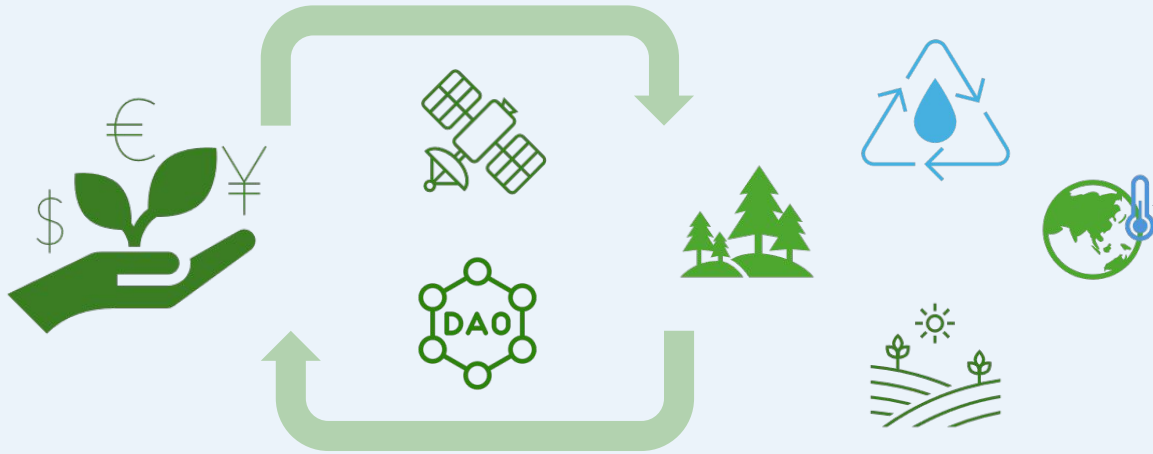




Proof of  
Change

# Proof of Change

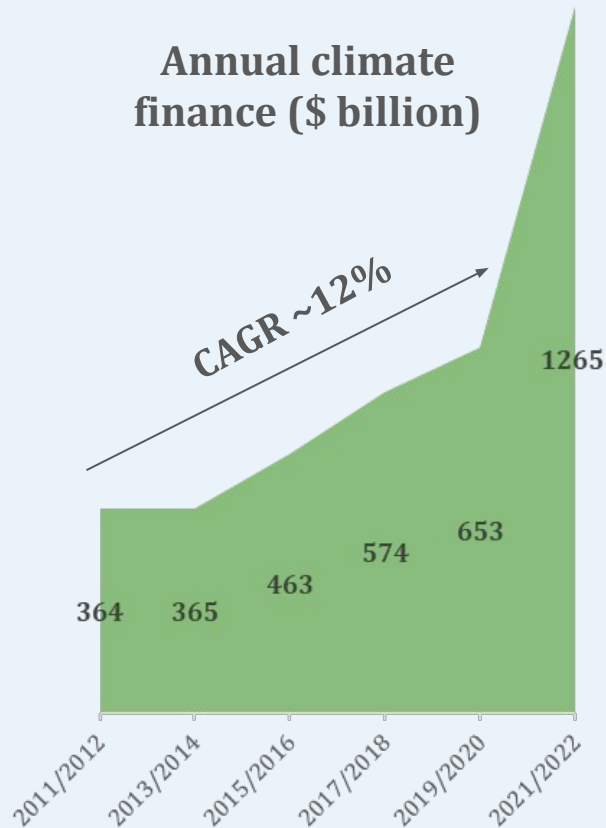
# Proof of Change links climate financing to environmental impact



***Transforming the linkage between climate funding and environmental impact***

Proof of change is a onchain GIS infrastructure that cryptographically verifies environmental impact claims through a combination of satellite imagery analysis, trusted execution environments, and blockchain attestations, enabling transparent and reliable measurement of real-world ecological improvements.

# Disconnect between climate funding and environmental impact



*Disparity between financing flows for climate change and environmental reality*



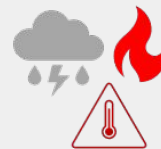
2023 was the warmest recorded year ( $1.45 \pm 0.12$  °C above pre-industrial avg.)



Greenhouse gas concentration reached record highs in 2022



Average sea level rise reached record high, doubling since 1993-2002



Extreme weather (extreme heat, flooding, wildfires) continues to lead to severe impacts

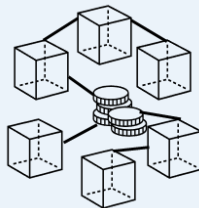
# Proof of Change scales climate funding by establishing a transparent verifiable link to environmental outcomes

*Traditional public funding is bottlenecked by slow and manual processes; our TEE + MPC powered platform transforms this through automated, cryptographically secure project funding, tracking, and validation*



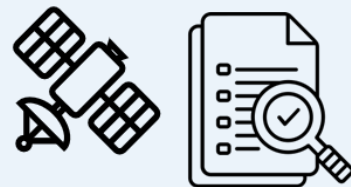
## Multi-layer Security & Validation

Hybrid TEE + MPC validation system for trustless verification through multi-party consensus, storing blockchain attestations results & transparent IPFS data



## Automated Impact-to-Reward Pipeline

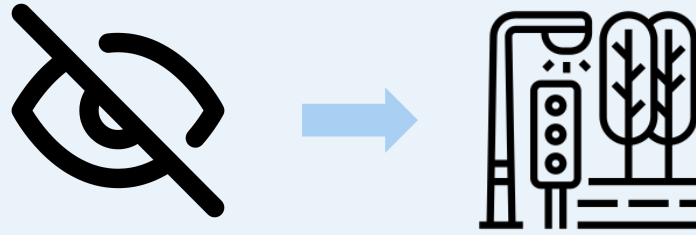
SUAVE TEE to analyze satellite imagery with ML change detection, generating cryptographic proofs of environmental impact triggering automated rewards from verified outcomes



## Monitoring, Reporting, and Verification

Real-time satellite monitoring and verified impact tracking provides an immutable audit trail of environmental progress, enabling data-driven climate finance decisions and investment optimization

# Proof of Change makes environmental data a public good



## Challenges

**Data:** Often siloed, expensive, and inaccessible

**Opaque Processes:** Internal environmental processes are not transparent

**Transparency:** Lack of it hinders effective climate action

**Access Barriers:** Significant barriers in developing regions

## Why it Matters

**Accountability:** Verifies environmental commitments

**Urgency:** Quickens response to environmental challenges

**Credibility:** Fosters trust through transparency

**Demystification:** Clarifies and quantifies environmental impact

## Our Vision

**Accessibility:** Geospatial data freely accessible globally

**Verifiability:** Transparently verified via cryptographic proofs

**Standardization:** Ready for global adoption

**Democracy:** Democratically governed

## Impact

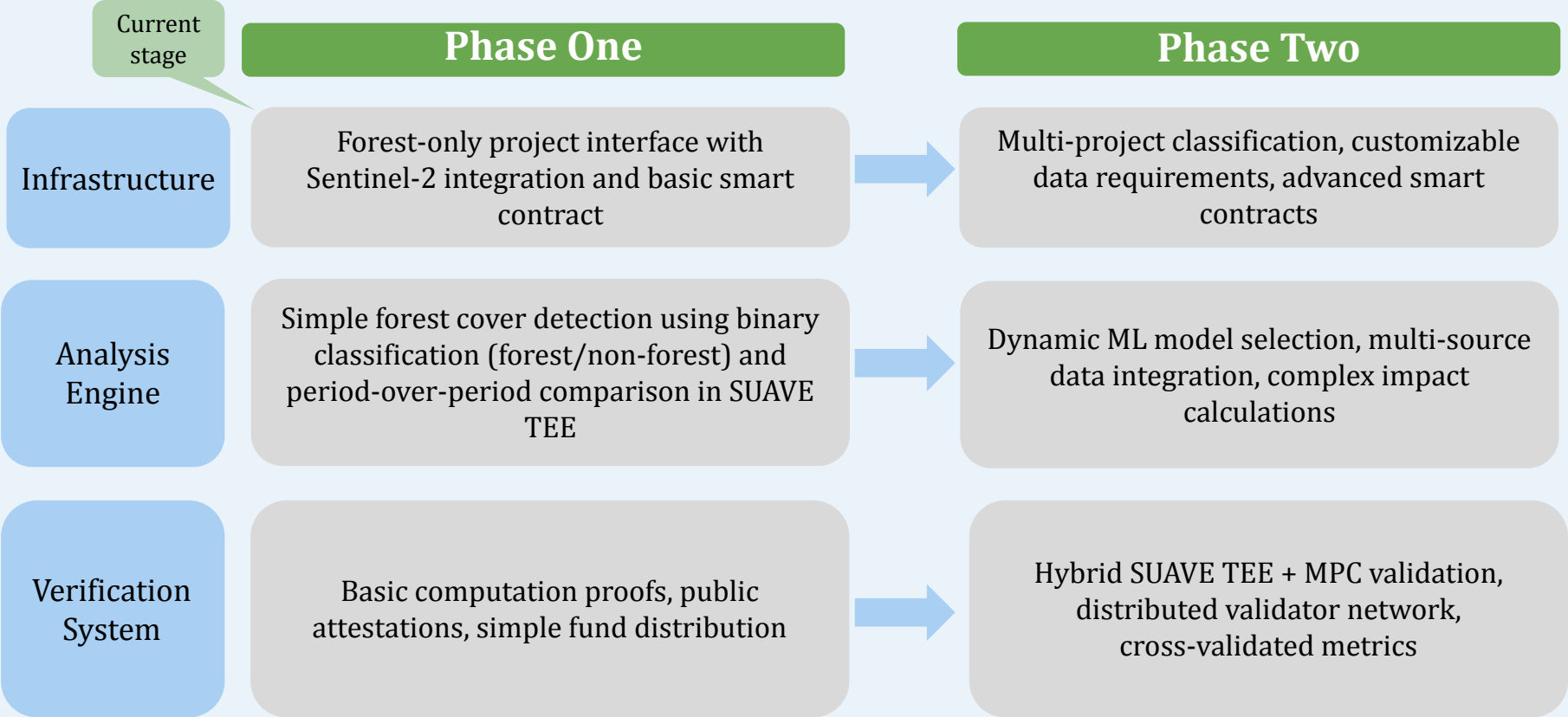
**Evidence-based Action:**  
Foundations for concrete environmental actions

**Equal Access:** Verification tools available to all

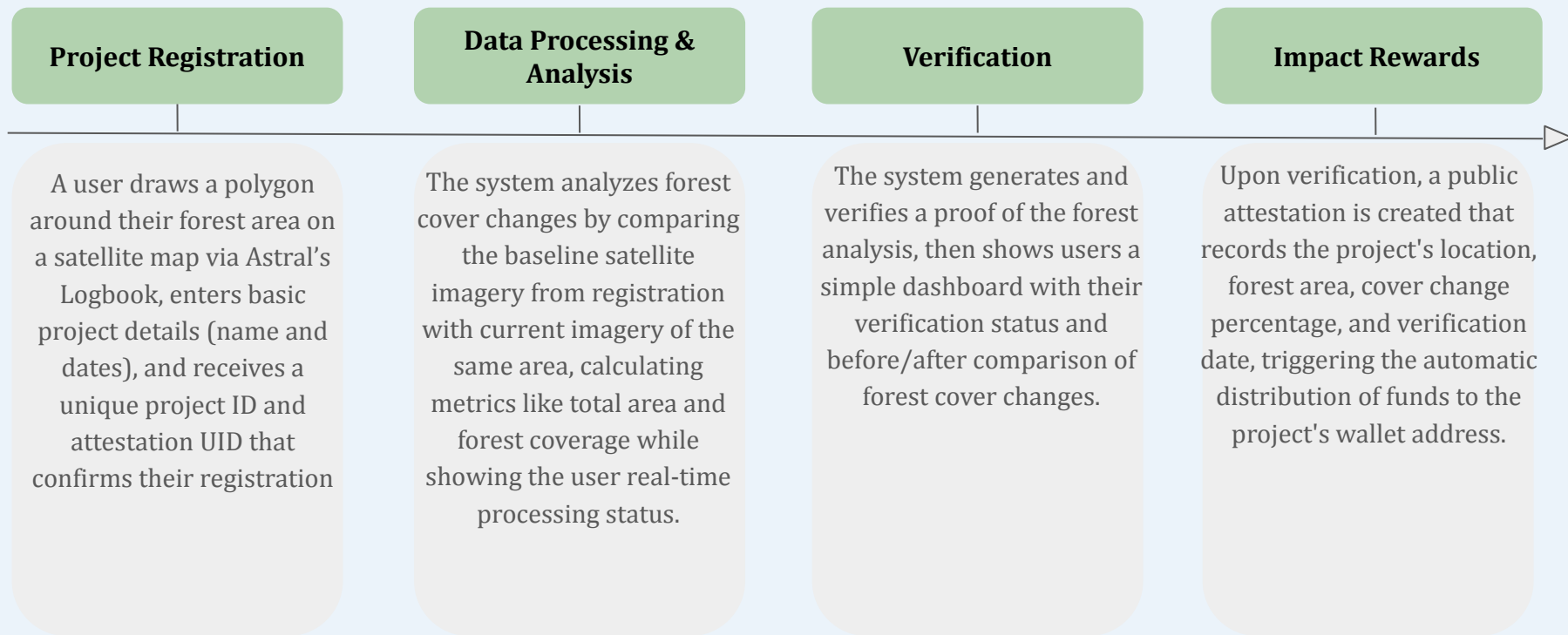
**Global Collaboration:**  
Enhances worldwide climate solutions

**Accelerated Progress:**  
Speeds up environmental improvements

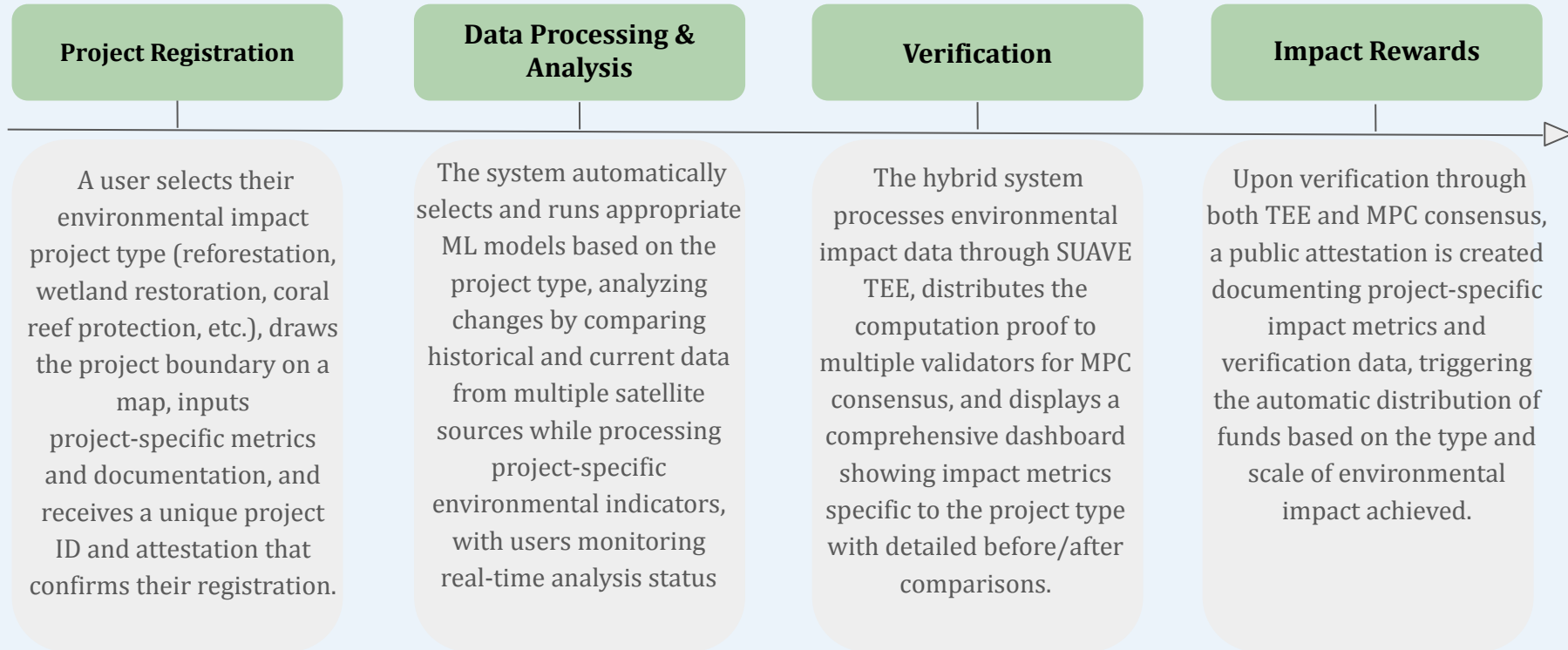
# Proof of Change's Roadmap



# Proof Of Change's current MVP workflow is simple and focused



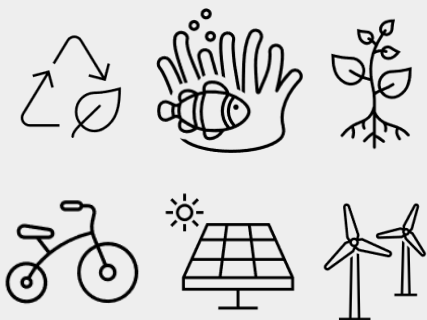
# Phase two of Proof Of Change's workflow will be optimized with





# Proof of Change has use cases for the public sector with potential expansion to the private sector

## Types of Projects



Environmental projects as such as reforestation, ocean restoration, biodiversity restoration, soil regeneration, renewable energy, low carbon transportation etc.

## Product Users



### Public sector

Government bodies (international, national, local) and public finance institutions (development finance institutions) with climate goals & budgets



### Environmental project developers

Organizations (Nonprofits, social enterprises, local communities initiatives) implementing environmental projects



### Private sector companies

Companies with regulatory mandate to decarbonize their businesses and supply chains

# For example Proof of Change can offer solutions to the Green Climate Fund's challenges

## GCF Overview



Green Climate Fund was developed by United Nations to accelerate transformative climate action in developing countries to reach low emissions and climate resiliency

- \$16 billion committed to projects
- 286 projects

### Green Climate Fund Challenges

#### Verification Cost & Efficiency

Traditional MRV (Monitoring, Reporting, Verification) processes are expensive and time-consuming

#### Data Transparency

Lack of transparent, verifiable data about project outcomes and impact

#### Project Monitoring

Difficulty in continuously monitoring project progress and maintaining long-term accountability

#### Fund Distribution Efficiency

Complex and slow processes for distributing funds based on project outcomes

### Proof of Change Solutions

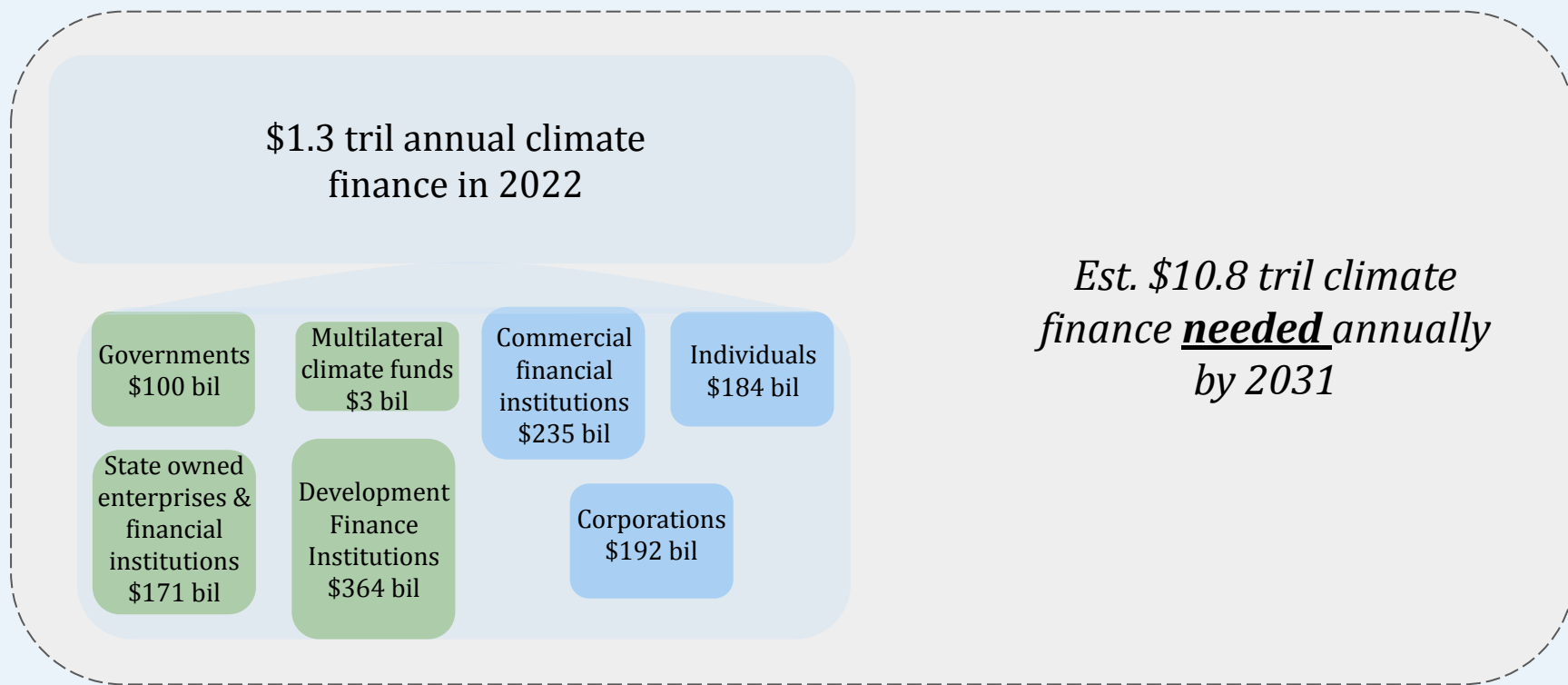
Automated verification of satellite imagery analysis through SUAVE TEE significantly reduces costs and speeds up verification timelines

Cryptographic proofs and EAS attestations create immutable records of environmental impact that all stakeholders can trust

Real-time satellite monitoring and automated analysis provides ongoing verification of project status and impact

Smart contracts enable automated, results-based funding distribution when verification criteria are met

# Climate finance levels will only be increasing over time



*As climate financing needs grow, the link to environmental impact is essential*

# Team - Fully Women Founded Project



**Jess**

Solidity developer focused on using blockchain to tackle economic inequalities and coordination challenges, with expertise in crypto-economics, game theory, and geospatial analysis. Former Apple Maps engineer with a background in GIS and spatial data analysis.



**Vivian**

Finance professional with 7+ years in banking, investment, and consulting in traditional and sustainable finance. Experience includes investment banking at JPMorgan, debt investing at PennantPark, and sustainable finance consulting at ISF Advisors



*Founding team established after participating in SheFi Web3 bootcamp together in summer 2024 driven by shared vision for real world impact through blockchain innovation*