

EcoKuza: Real-Time Monitoring

Presented by [Sentinel]



BLIND Afforestation Crisis

Monitoring vast forests efficiently

Afforestation isn't as easy as many assume but our system manages and enables it .



Our Solution

EcoKuza empowers **local communities (4K CLUBS)** and **Organisations** to effectively monitor and take part in afforestation activities, fostering a collaborative approach to **increasing Kenya's forests** and enhancing environmental stewardship.

15 billion

Trees to be planted by 2032

EcoKuza aims to play a crucial role in **achieving Kenya's ambitious goal** by facilitating real-time monitoring and engagement, ensuring the involvement of local communities in tree planting initiatives.



How It Works

A three-step process to monitor

Satellite Monitoring

Utilizing **advanced satellite imagery**, EcoKuza offers real-time insights into forest conditions and differences in where you are currently afforesting, enabling proactive monitoring and early detection of environmental threats.

AI-Driven Alerts

Our system employs **artificial intelligence** to analyze data and send instant alerts to local authorities and community members, allowing for timely responses to illegal activities.

Community Engagement

EcoKuza fosters **active community participation** by empowering locals to report issues, share observations, and contribute to forest monitoring efforts, creating a sense of ownership and responsibility.

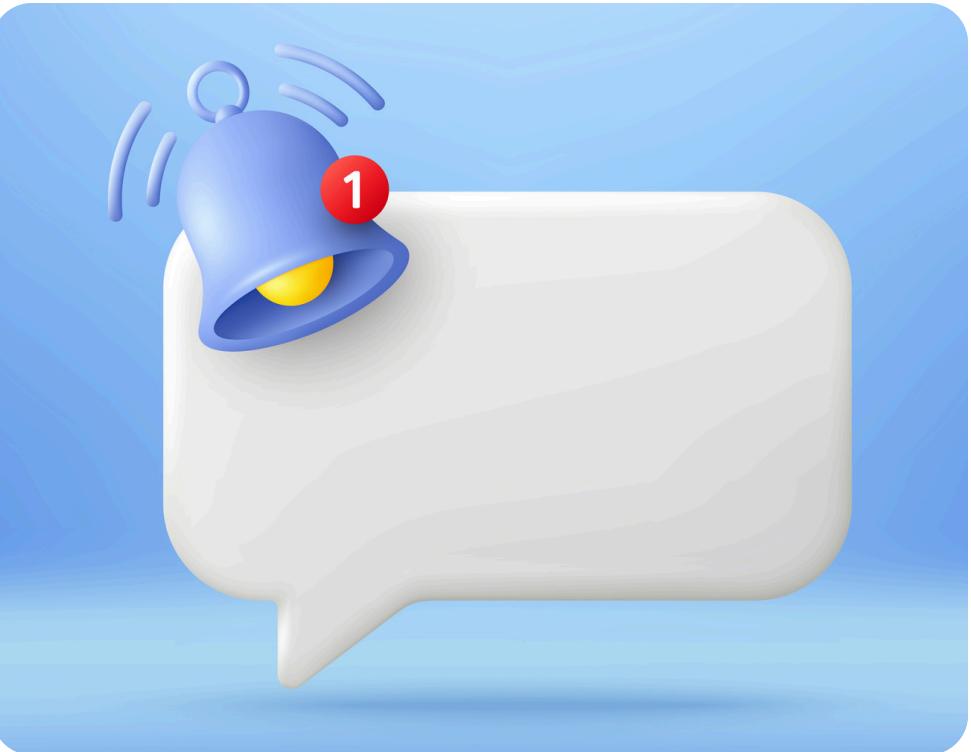
Key Features

Real-time NDVI



The EcoKuza system utilizes **real-time NDVI** data to monitor forest health effectively.

Automated Alerts



Automated alerts notify users of **deforestation activities**, ensuring rapid community response actions.

Community Reporting



Community members can report **sightings and activities**, fostering local involvement in conservation efforts.

Survival Rate Leaderboard

| Survival Rate | | Rank | Community | Survival Rate (%) | Group |
|---------------|-----------------------------|------|-----------------------------|-------------------|--------------|
| 1 | 4K Club Moi Primary | 1 | Womei Moi Primary | 92.5% | Womn Group A |
| 2 | Womei Moi Primary | 2 | Youth Group B | 88.1% | Gouth Group |
| 3 | Youth Group B | 3 | Seniors Group C | 88.1% | |
| 4 | Seniors Group C | 4 | 4K Club Catholic University | 88.1% | |
| 5 | 4K Club Catholic University | 5 | Seniors Group C | 75.0% | |

Certificates & Awards

Communities will receive **digital certificates** upon achieving specific tree-planting goals, fostering a sense of achievement and encouraging further **engagement** in sustainability efforts throughout the region or by Leaderboard achievements.

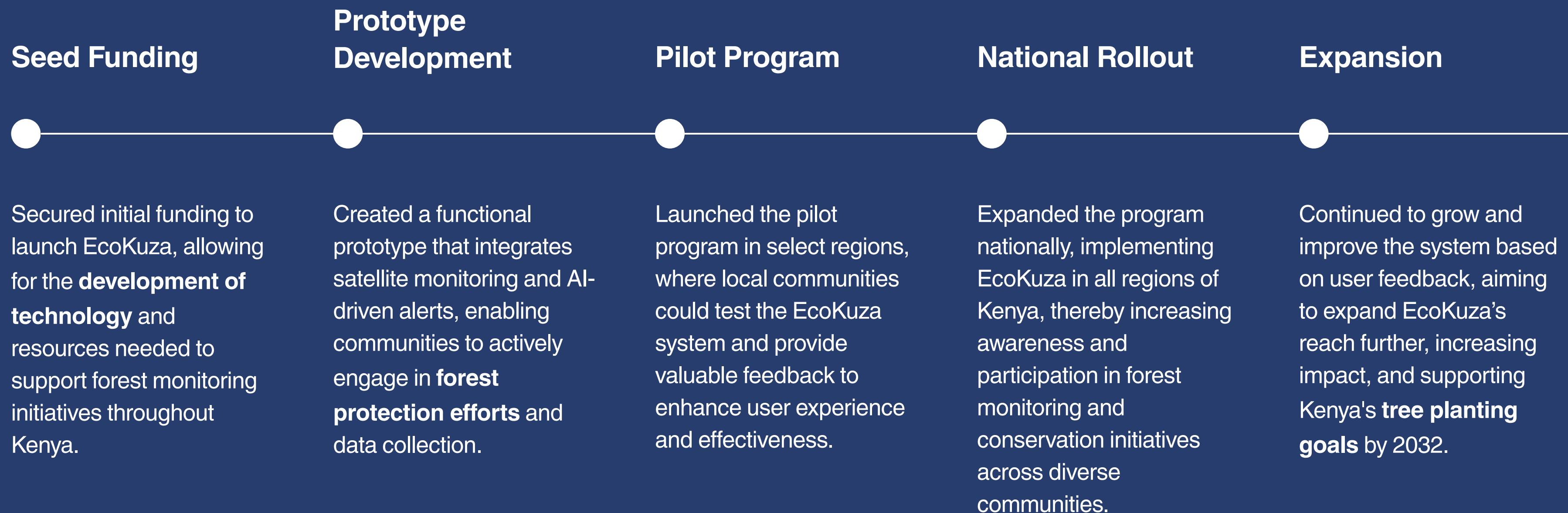
Enhanced User Experience Design

Intuitive, engaging, and user-friendly

EcoKuza's **modern interface** facilitates seamless navigation and promotes user engagement, ensuring communities and rangers have immediate access to critical forest monitoring data and features.



Project Timeline



Competitive Advantages of EcoKuza

01

Real-time Data

Provides **up-to-date insights** on forest health.

02

Community Integration

Engages local communities in **active monitoring efforts**.

03

Scalability

Easily expandable to **other regions and communities**.

Data & Analytics Insights

Understanding Forest Changes Effectively

Our analytics focus on **Afforestation Monitoring and gamification for groups**, and biodiversity impact, providing essential insights to guide conservation efforts and enhance environmental sustainability.



Business Model

Generating Revenue and Sustainability

Subscription Services

EcoKuza offers **affordable subscription plans** for users, ensuring continuous access to real-time monitoring and analytics, thereby enhancing community engagement and operational efficiency.

Data Licensing

By licensing our **data insights** to governmental and non-governmental organizations, EcoKuza generates revenue while providing valuable information for environmental protection and planning initiatives.

Carbon Credits

EcoKuza participates in carbon credit markets, allowing businesses and individuals to invest in **sustainable practices**, further supporting our mission while contributing to financial sustainability.

Impact

Forest Protection



EcoKuza enhances **forest protection** through real-time monitoring and Encouraging Afforestation activities.

Community Empowerment



The system empowers communities by enabling them to actively **participate** in forest conservation efforts.

Sustainable Development

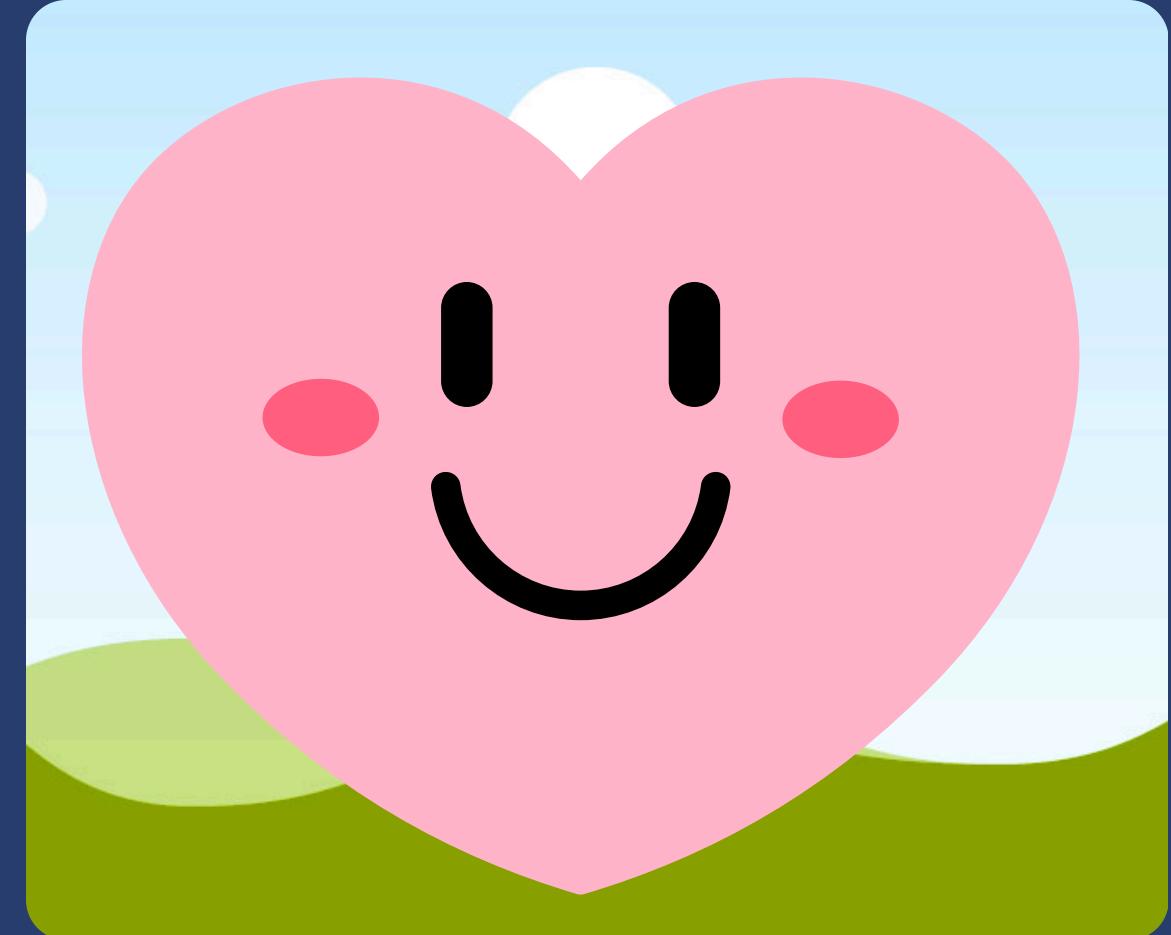


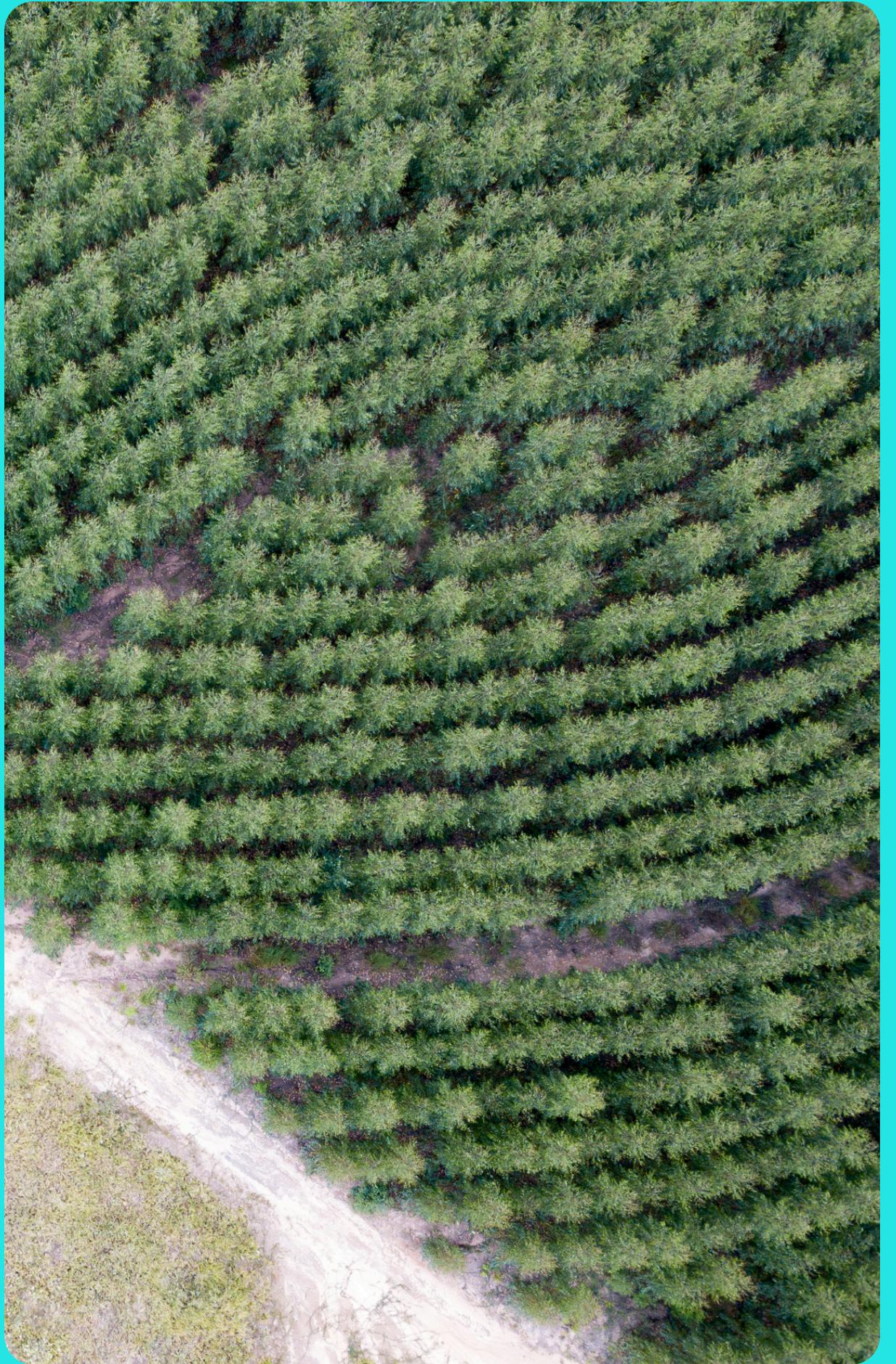
Through sustainable practices, EcoKuza promotes **long-term benefits** for both ecosystems and local economies.

Meet Our Dedicated Team

Experts united for forest conservation

Our team comprises **experienced foresters, seasoned software engineers, and passionate conservationists** dedicated to leveraging technology for effective forest monitoring and sustainable practices in Kenya.





EcoKuza

Join us in protecting forests