We are currently in the process of forming an alliance with various partners for our methodology

Here is a possible scenario for a pilot project

The pilot project aims to create a sustainable biofuel supply chain by collaborating with a local community to collect waste cooking oil, which will be converted into biofuel for a shipping company. This initiative enhances the company's ESG performance and supports local sustainability initiatives. To achieve this, we will engage the community through several key strategies:

1. **Community Engagement**: We will partner with local restaurants, cafes, and households to establish a waste cooking oil collection program. Workshops will be conducted to educate participants on the environmental benefits of recycling oil and the biofuel production process.

2. **Collection System**: A designated collection system will be set up, including collection points and regular pickups. Community participants will receive incentives in the form of blockchain-based tokens that can be converted into Emission reduction certificate ESG NFTs. These NFTs can be sold on our marketplace to the shipping company, creating a direct link between community participation and corporate sustainability efforts.

3. **Support for social Entrepreneurs**: Our platform will assist various social entrepreneurs in setting up local processing facilities. We will leverage Decentralized Physical Infrastructure Networks (DePIN) and Real World Assets (RWA) to finance and build the waste cooking oil processing network. This innovative approach enables users to develop sustainable infrastructure networks and attract the interest of investors.

4. **AI-based ESG Assessment Tool**: An integral part of the pilot project, our AI-based ESG assessment tool will evaluate and enhance the environmental, social, and governance aspects of the initiative. This tool will analyze data collected from the community's waste cooking oil contributions, the biofuel production process, and the shipping company's fuel usage. It will generate reports highlighting key performance indicators, such as reductions in greenhouse gas emissions, waste diversion from landfills, and improvements in local air quality. Additionally, the AI tool will facilitate benchmarking against industry standards and best practices, allowing stakeholders to identify areas for improvement and optimize their ESG strategies.

5. **Governance through DAOs**: The governance of the waste processing chain will incorporate decentralized autonomous organizations (DAOs), enabling community-driven decision-making and management. This structure fosters a democratic and transparent governance model that aligns with the community's needs.

6. **Partnership with Shipping Companies**: We will partner with shipping companies to utilize the produced biofuel in their fleets, effectively reducing carbon emissions and enhancing ESG scores. A tracking system will be developed to monitor fuel usage and the corresponding reduction in greenhouse gas emissions. Throughout the project, we will use the ESG Assessment tool to evaluate its impact on environmental, social, and governance pillars, providing regular reports to stakeholders that showcase benefits such as waste reduction, community involvement, and emissions savings.

7. **Expansion into Plastic Waste Collection**: As part of expanding the program, we will explore collecting plastic waste, which poses significant threats to oceans and ecosystems.

   Participants will be able to create plastic credits, converted into plastic credit NFT certificates that can be sold to shipping companies and other businesses seeking to offset their plastic footprint and enhance their sustainability efforts.

   By integrating plastic waste collection into our program, we aim to engage the community further in environmental stewardship and address plastic pollution, creating additional revenue streams for participants.

8. **Trinity Verification method**:

   Our Trinity verification method encompasses our AI-supported technical validation process as well as the involvement of the local community in the validation procedure. Additionally, we employ methods such as ISO 14064 to verify and measure the compensation of carbon dioxide emissions. Our auditors consist of individuals with internationally recognized qualifications, such as designated entities, ambassadors, or certified professionals, who confirm the emission or carbon reduction levels across various industries. This also includes selected experts from the port and shipping sectors.

9. **Role of Artificial Intelligence**:

   Our AI-based tools will assist validators in analyzing and validating Scope 1, Scope 2, and our innovation for Scope 3 carbon emissions more efficiently.

   This technology will increase accuracy in the evaluation process, enabling quick data analysis and examination of emission trends. Ultimately, this can help optimize carbon reduction strategies and enhance environmental performance reporting.

Through this initiative, we expect to enhance community engagement and awareness of sustainability practices, significantly reduce the amount of waste ending up in landfills and oceans, decrease the carbon footprint for the shipping company through the use of biofuel, and improve ESG performance for all stakeholders involved.