



Viridis

Enhanced Plastics
recycling supply chain

Agenda

01

**Problem vs.
Solution**

02

**Solution
Design**

03

**Project
Plan**


04

**Team &
Budget**



01

Problem vs. Solution



How can the Cardano community incentivize recycling and enhance individual collectors' income using Tokens and Smart Contracts?



2.5 million

plastic bottles are thrown every hour!



Growing awareness of the huge impact

Plastics in oceans and soil threaten food
security, health, and environment

*Source: (FAO) Assessment of agricultural plastics and
their sustainability: a call for action*

The Problem

Why recycling is not an everyday reality?

The difficulty doesn't lay in the lack of efficient technologies:

- Recycling is hindered by supply chain issues: coordination and traceability!
- Collector of recyclable wastes aren't able to extract fair compensation (free market price)

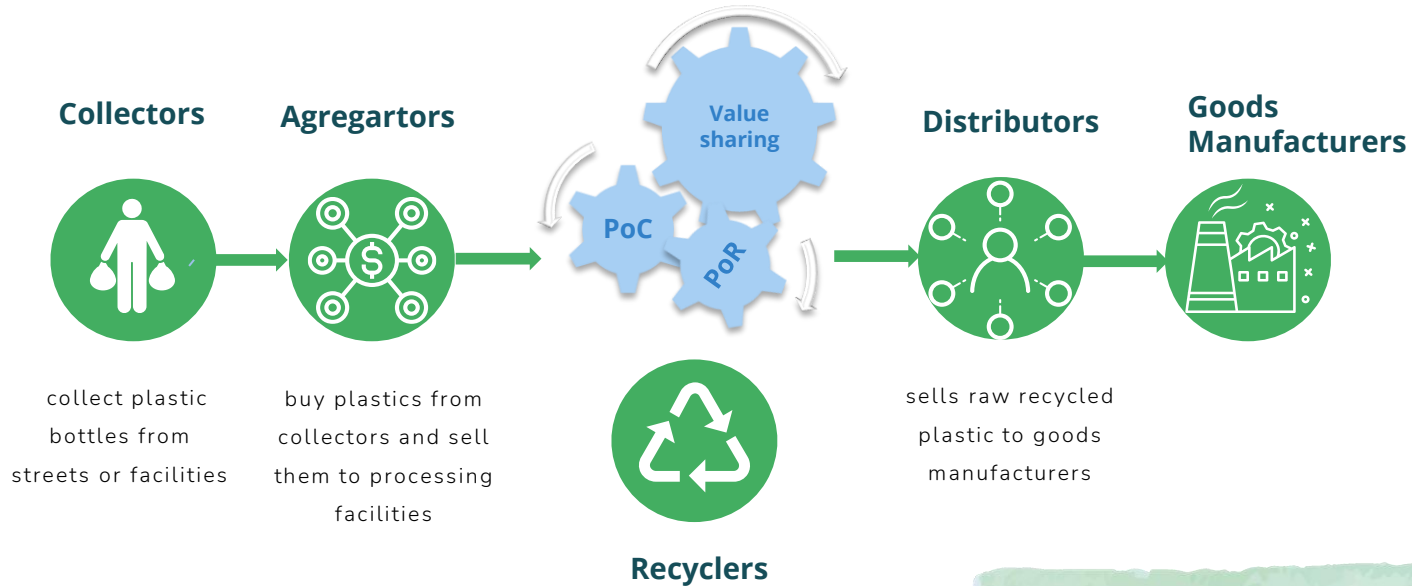
How can the Cardano community incentivize recycling and enhance individual collectors' income using a grassroots approach?

Solution

Add value to the recycling supply chain by providing trail of evidence, liquidity, and a free market for tokenized used plastic bottles.



Walking through the process



Smart Contract

PoC

Proof of Collect

PoR

Proof of Recycling

**Rewards
distribution**

- Validate the economic soundness through modeling and simulation of the system dynamics aka Token Engineering.
- Marlowe toolkit for prototyping the smart contract.

Two Tokens

Used Plastic Bottle

represents a collected single usage plastic bottle
issued as a native asset on Cardano



Viridis Gov Token

aims to incentivize recycling and to be used as a
collateral and for Smart Contract execution





- CO2 CREDITS
- TRASH'ART TO NFTS
- EXPERIMENTING OTHER
WAYS TO EXTRACT VALUE

Timeline

3 months

6 months

12 months

Proof of concept

Design and prototype a
Dapp for incentivizing
plastic bottles recycling

Earlybirds + QC

100+ registered recyclers
Working on level 1 certif

Public launch

10 000 users
1 million recycled bottles

Core Team



Elias

Process engineer
Hobbyist / DIY
Exp. in plastic
processing &
recycling



H2ocen

Aircraft engineer
Exp. in Quality
Assurance



Kawtar

BA in management
Social worker
Friends of Nature

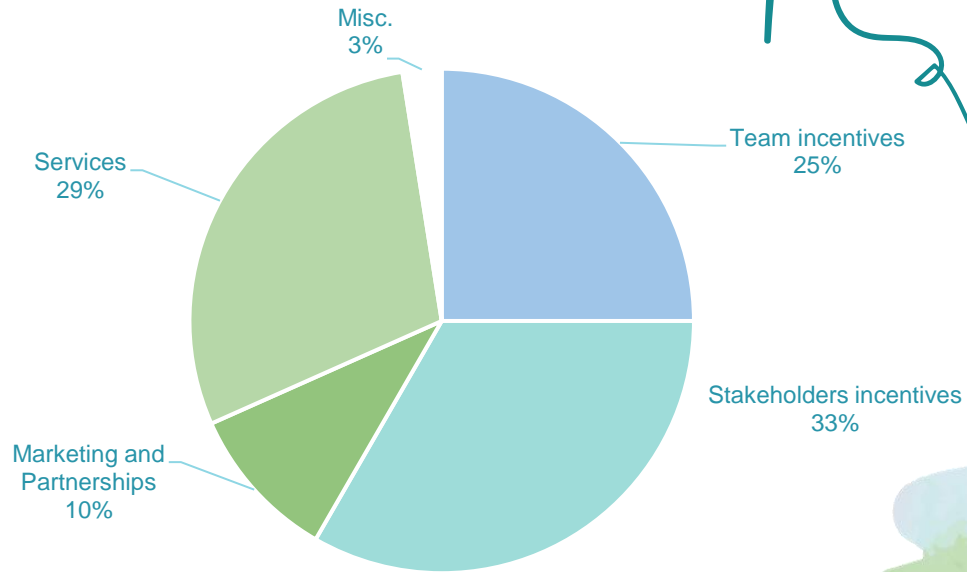


Ayoub

Full stack dev
Exp. in ecommerce,
and payment
methods

Budget

We ask for 12 000 \$





„Great innovations never come from above; they come invariably from below, just as trees never grow from the sky downward, but upward from the earth.“

—**Carl Jung, Collected Works Volume X**

Thanks!



- *Catalyst Community*
- *Cardano 4 Climate for meaningful feedback and support*
- *Catalyst Swarm & Cardano ecosystem*
- *Friends of Nature (NGO) & Wada*

Reach out to our discord server discord.gg/MmTgqcnt

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