

Sustained A hyperlocalized sustainability dashboard bridging the Intent Impact gap

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The Problem: Fragmentation & The "Impact Gap"

Global Goals, Local Struggles

Sustainability efforts often fragmented at community level.

Aachen's Challenge

Vibrant initiatives, but disjointed and resource-constrained.

The "Intent-Impact Gap"

Desire to help vs. visible, tangible results.

Research Objectives & Key Questions

To design an integrated digital ecosystem for sustainability in Aachen.

1

Platform Needs

How to serve initiatives and users?

2

Visible Impact

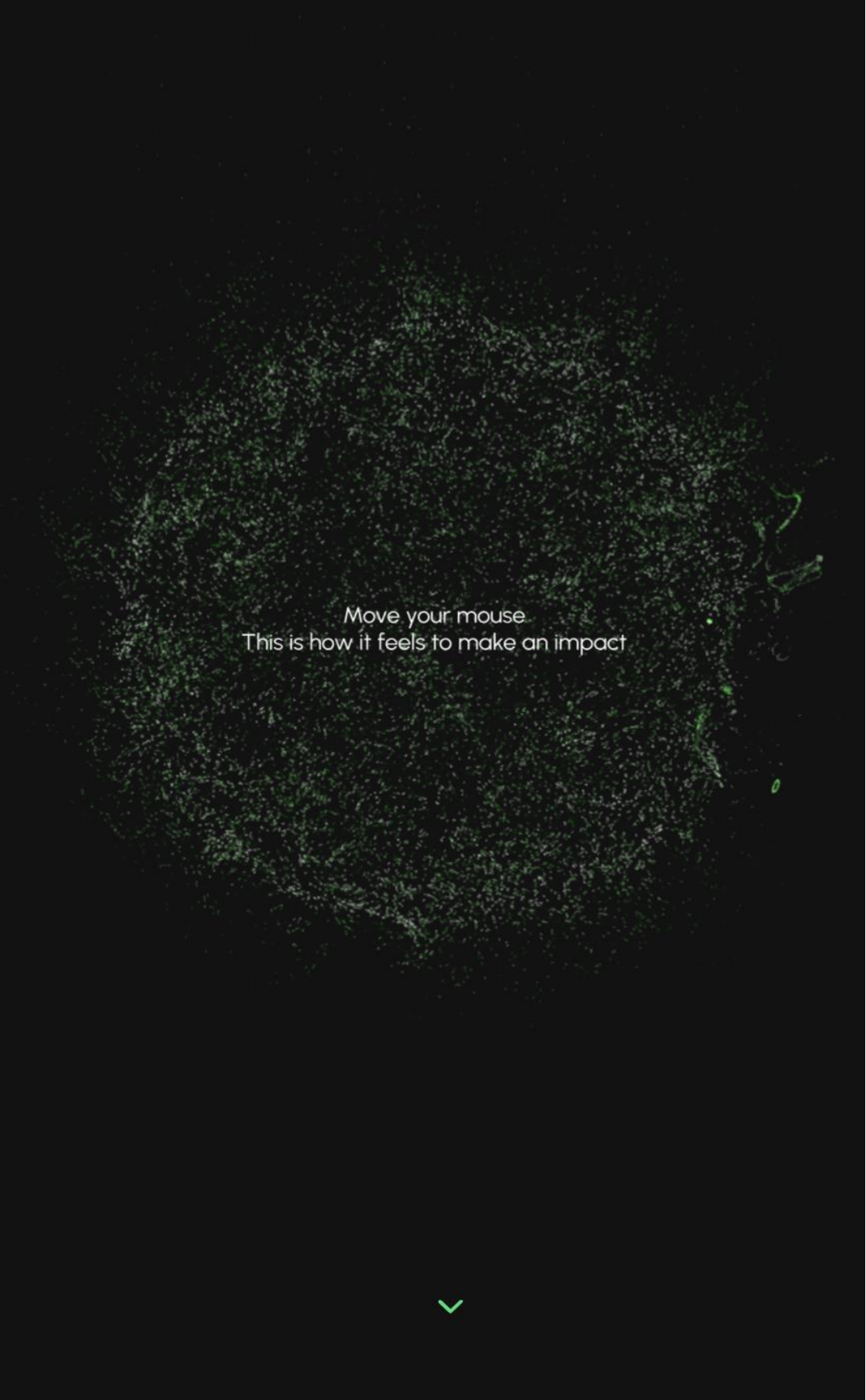
How to motivate users through tangible results?

3

Fair Funding

Novel mechanisms like Quadratic Funding (QF)?





Move your mouse.
This is how it feels to make an impact

Introducing "Sustained": A Research-Driven Ecosystem

Our prototype solution to identified problems:

A context-aware digital platform designed to connect, empower, and fund each city's sustainability ecosystem.

Innovation Spotlight: Quadratic Funding (QF)

Addresses the **Resource Scarcity & Inequality** problem for initiatives.

How Quadratic Funding Works

Quadratic Funding mathematically rewards projects with many contributors over projects with few large donors, creating more democratic funding distribution.

$$F^p = (\sum_i \sqrt{c^p_i})^2 - \sum_i c^p_i$$

Where F^p is the matching amount for project p , and c^p_i is the contribution of person i to project p

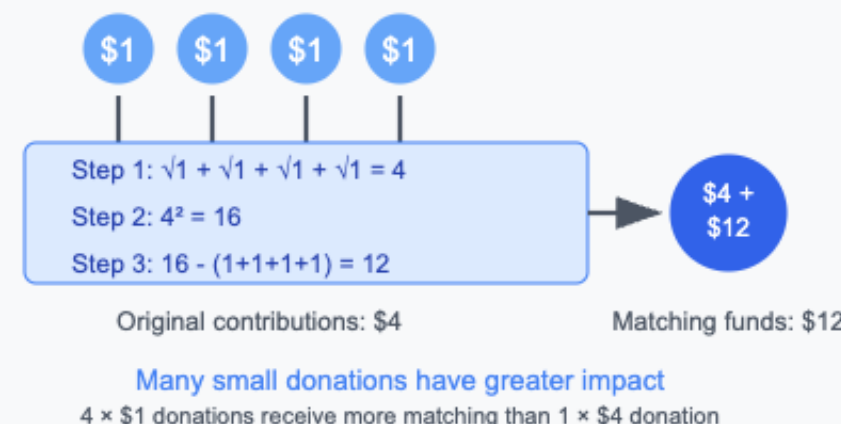
Example: 25 people contributing €10 each (€250 total) would receive more matching funds than 1 person contributing €250, because $(25 \times \sqrt{10})^2 - 250 > (1 \times \sqrt{250})^2 - 250$

[Go to the round simulation](#)

Quadratic Funding

$$F^p = (\sum_i \sqrt{c^p_i})^2 - \sum_i c^p_i$$

Matching funds = (Sum of square roots of contributions)² - Sum of contributions



Roadmap

Technical Development

Build a Minimum Viable Product (MVP) of the "Sustained" platform, integrating core features for initiatives and users, Functional Account Abstraction for Cross-Chain Functionality, robust SDG metrics tracking .

Larger-Scale Validation

Conduct comprehensive research and real-world trials to evaluate the platform's effectiveness across a broader user base.

1

2

3

4

Pilot Testing

Deploy the MVP with a select group of sustainability initiatives and early adopters in Aachen to gather initial feedback.

Refine Governance

Develop and refine the on-platform governance model to ensure fairness, transparency, and community participation.