

A. Name of project and Project URL on Ideascade/Fund

Trace – Product Tracing on Cardano #800297

<https://cardano.ideascale.com/c/cardano/idea/61964>

B. Name of project manager

Stefano R. Montanari (Stef)

C. Date project started

May 2022

D. Date project completed

30 November 2024

E. List of challenge KPIs and how the project addressed them

This project, although significantly delayed, adds to the roster of Cardano Apps directed to business solutions.

Specifically, Trace is a Pre-production App targeting SMEs, with the goal of bringing reliable, intuitive and affordable Product Tracing to SMEs from multiple market sectors.

We expect that transaction volume will be generated on Preprod once Trace is opened to testing by the Community. This will happen shortly after submission of this report.

F. List of project KPIs and how the project addressed them

The solution includes an intuitive UI through which SME owners can mint a “Company FT”. This fungible token represents their Company in their wallet, giving them access to a personalised area of the App.

Here, producers can enter details about their products. They can also add images of their products to be stored on IPFS as permanent records.

Once they are happy with the data they entered, they can “attest” to the product data to be submitted on-chain. This provides a quality-seal by the Company, attesting the validity of the information presented to their customers.

Product data attestation results in a unique QR Code, to be added to the product in the physical world. Customers scanning this QR Code can independently verify the data provided by the Company in several ways, including Cardano explorers and the Trace original interface.

G. Key achievements (in particular around collaboration and engagement)

As explained in many instances in previous reports, and in emails to Catalyst Team members, this project was delayed by many factors, including changes in team composition and personal unforeseeable circumstances. This prolonged delay created an opportunity for networking that has resulted in a very fruitful collaboration between the Trace project and Drasil, a collaboration we hope to continue in the future to further develop Trace and other ideas in the Cardano Ecosystem.

H. Key learnings

Lack of experience in Team and Project management were certainly key factors leading to the delay in delivering Trace. I take full responsibility for that.

Since the beginning of this Project, I have learnt to better manage people involved and manage expectations around what code can do versus what the ideal App should be.

I have also learned the true costs and timeframes of delivering blockchain software with a very small team.

For all this I am grateful, and I am excited to deliver Trace as a first step to developing solutions for SMEs and independent producers on the Cardano blockchain.

I. Next steps for the product or service developed

We want Trace to see mainnet. We also want Trace to provide a better UI/UX and include some functionalities that will make it more attractive to SME Owners. Once we have successfully delivered this V0 version to preprod (the App is live at the time of this writing), we aim to take some extra time to:

- squash bugs;
- open source the code;
- finish the documentation;
- regroup;
- open the App to testing by the Community.

The Community's response will add valuable information for us to work on the next steps. These responses, our ideas, and the learnings acquired during this journey, will allow us to apply for further Catalyst funding in the future, to forward Trace development and potentially create bespoke solutions tailored to customer needs.

J. Final thoughts/comments

I am grateful for the opportunity to bring Trace to Cardano's Preprod, afforded by Catalyst funding and the votes of Community Members. Despite the App not being 100% of what it was originally intended to be, I think we have demonstrated commitment to both Catalyst and Cardano, by finishing what we could with the resources we had. Many things were learnt, and we see this as a first stepping stone toward more work. Thank you.

K. Links to other relevant project sources or documents. Please also include a link to your

video here.

Previous reports: https://bit.ly/trace_reports

Project budget: https://bit.ly/trace_budget

Project GitHub: <https://github.com/CardanoTrace>

Project documentation: <https://traces-organization-1.gitbook.io/trace-documentation>

Project pre-production v0 App: <https://trace-app-v0.vercel.app/>

Closing video: <https://youtu.be/Sunbh3LGyW8>