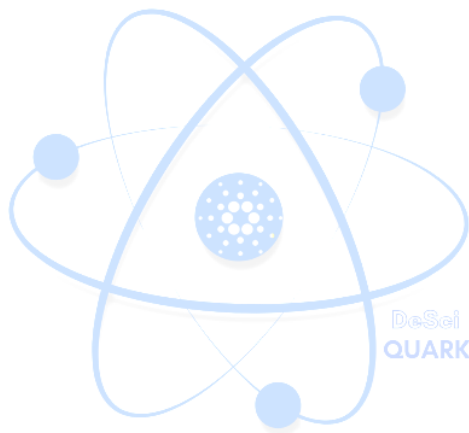# Project ID 1300094

Empowering DeSci with Marlowe: A Free Course on Real-World Blockchain Applications

M2- PoA – Evidence of Completion

Delivery date: 8/7/2025

Coordinator: Rivero Martín, PhD. (martinnicolasrivero@gmail.com)

Milestone 1 Summary (for context)

Milestone 1 focused on establishing the foundation of the *DeSci Quark* project (Project Catalyst ID: 1300094), an educational initiative aiming to bridge decentralized science (DeSci) and the Cardano ecosystem. During this phase, the team completed the initial 30% of the course content, launched the project's web presence and communication channels, and laid the groundwork for platform development.

Key accomplishments included:

- Creation of a clearly branded identity (*DeSci Quark*), with a dedicated domain (desciquark.com) serving as the central hub for the course and community.

- Development of a detailed course structure covering 8 modules, up from the 6 initially planned.

- Delivery of 16 recorded and subtitled videos, along with quizzes and extra materials for Modules 0–2.

- Publication of an initial landing page (in English and Spanish) and a platform framework built on WordPress + LearnDash.

- Activation of official social media channels (X, LinkedIn, Instagram).

- Collaboration with 6 international contributors, each delivering insights on blockchain, legal, scientific, and decentralized topics.

In addition, feedback from Milestone 1 reviewers was addressed through:

- Clarification of technical terms (e.g., distinction between Cardano sidechains and partner chains like Midnight).

- Public sharing of previously restricted mockup links.

- Centralization of all deliverables and course materials in a structured GitHub repository: https://github.com/desciquark/desci-cardano-course

Introduction to M2:

This second milestone is part of the **DeSci Quark project – Project ID 1300094**, which aims to develop and launch an educational course focused on **Decentralized Science (DeSci)** within the **Cardano ecosystem**.

During this phase, our efforts were focused on:

- Completing the remaining **70% of the course content**,

- Conducting **pilot testing** with structured feedback,

- And refining the **platform functionality and user experience**.

The following sections provide detailed evidence demonstrating how each of the approved **acceptance criteria** for this milestone has been successfully met.

1. ## Course Content Completion:

Approved on Acceptance Criteria: The remaining 70% of course content is: recorded, edited, and uploaded; all videos and guides are subtitled in both Spanish and English.

Description: During this second milestone, we successfully completed the recording, editing, and uploading of the remaining 70% of the course, achieving full program delivery for participants.

This milestone builds upon the initial curriculum presented in Milestone 1
(Initial Program Link)
and updates it to the final and complete version
(Final Program Link),
which includes minor structural adjustments across the modules to improve pedagogical flow and learning experience.

A major enhancement compared to the previous milestone is the participation of 16 international speakers, more than double the 7 originally confirmed. These contributors represent diverse domains—technology, science, law, education, and the Cardano community—bringing global insight to the course.

List of guest speakers:

- **Martín Rivero, PhD – Course Coordinator**

- **Sebastián Pabón – Andamio**

- **Carolina Menchaca, MSc – DeSciWorld**

- **María Fiorentini – Mujeres en Crypto**

- **Tomás Ortega, BSc – Mushroom Protocol**

- **Rodrigo Oyarzún – CHIL SPO**

- **Federico Weill, PhD – TxPipe**

- **María Goreti Freitas, PhD – DeScier**

- **Jose Iadicicco – ADA Solar & ALBA**

- **Diego Torres Borda – NGO Bitcoin Argentina**

- **Daniela Alves, MSc – Intersect & GovChainLab**

- **Damián Hryb, Eng. – CardanoTree**

- **Agustín Franchella – Cardano Ambassador**

- **Ignacio Fabre, Eng. – Rather Labs**

- **Juan Beliera, Eng. – Rather Labs**

- **Jorge Nasanovsky – Citaldoc**

The complete course now includes over 19 hours of recorded video content, all of which is fully subtitled in Spanish and English to ensure bilingual accessibility.

In Module 5, we originally planned to develop 4 smart contracts as practical components. However, based on evolving needs and community feedback, we expanded this section by integrating starter templates of smart contracts along with step-by-step explanations. We also introduced a new central topic: scientific co-authorship and collaboration on academic papers using blockchain, which emerged as a recurring interest during the pilot testing phase.

Evidence:

- All video lessons, guides, and quizzes are publicly available on GitHub:
  [DeSci Quark Cardano Course Repository](#)

- In Milestone 1, we listed 16 videos. As of this milestone, 60+ videos are available.

- In response to tester feedback, we created a dedicated GitHub repository for smart contracts:
  [Marlowe Smart Contracts Repository](#)

- All videos include bilingual subtitles (Spanish and English), accessible via YouTube's subtitle settings.
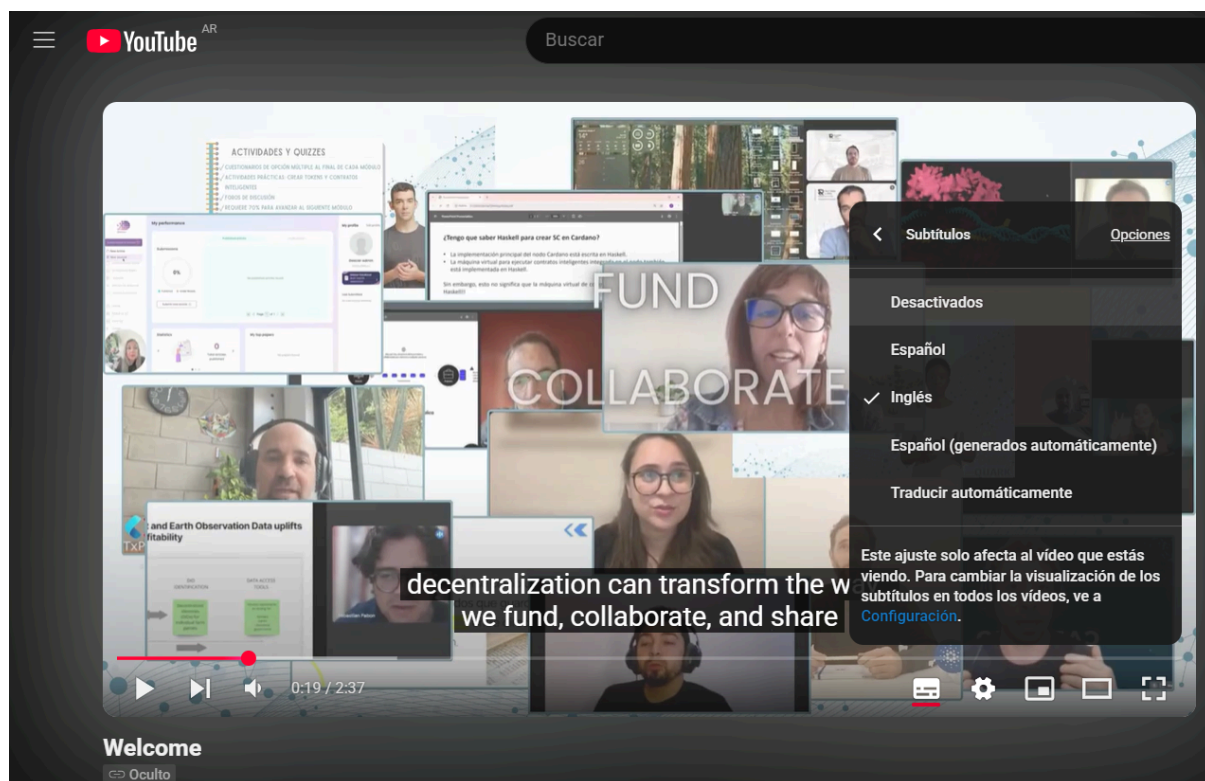
2. Pilot Testing and Feedback Collection

<u>Approved on Acceptance Criteria:</u> *Pilot test is conducted with **10 participants**, incentivized with **50 ADA each**. Feedback is collected via structured surveys and used to refine content and platform usability.*

Description: To validate the course before public release, a pilot testing phase was launched through the official DeSci Quark website (https://www.desciquark.com/en), where a **"Pre-register"** button was prominently featured on the homepage.
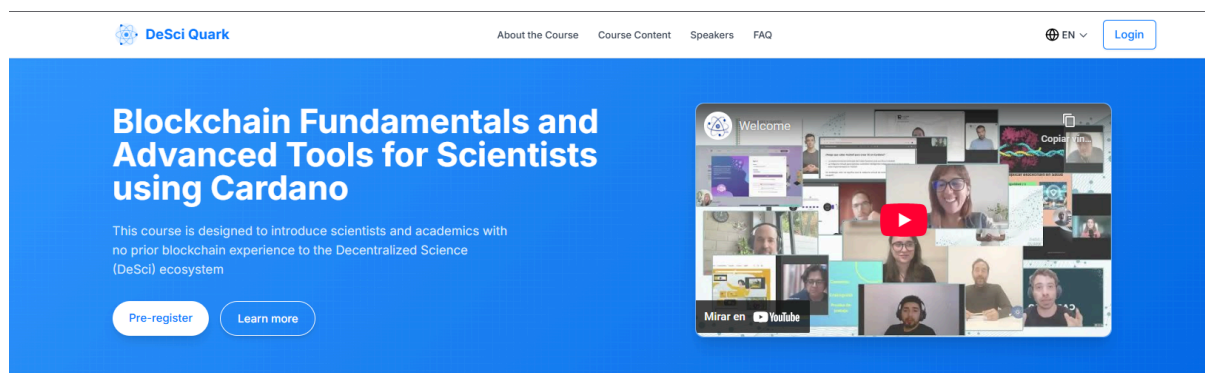
This directed users to an embedded Tally form: https://www.desciquark.com/en/pre-registration

Survey form (via Tally).: https://tally.so/r/mKyPqk

37 people signed up to be beta testers, taking into account both English and Spanish, exceeding our original expectation of 10. A screenshot of the total signups is included as supporting evidence.

🧪 Tester Registration - DeSci Quark
14 submissions · Edited Jun 12

🧪 Registro de Testers - DeSci Quark
23 submissions · Edited May 29

Given the higher-than-expected number of applicants, we decided to select 15 testers, anticipating that some may not complete the course. The final selection was based on multiple criteria including language preference, geographic diversity, background profile, verification, and prior knowledge.

- A spreadsheet containing all 37 responses, including a final tab listing the 15 selected testers, is available here:

Feedback was gathered and implemented in stages, following a hypothesis that early testers would likely encounter more usability and content improvement issues. Based on this, the platform was iteratively refined throughout the testing cycle.

Evidence:

- A **list of the 15 selected testers** is included in the **third tab** of the application response spreadsheet (Link) called "**Selected Testers**", with the round number in which the email and access to the course were sent to the tester, preferred language and contact email.

- **Welcome email** sent to selected testers:
  Welcome Document – Google Drive link

- **Follow-up message** sent to non-selected testers for upcoming evaluation rounds:
  Next Round Info – Google Drive link

- **Structured feedback form** used for evaluation:
  Tally Form – https://tally.so/r/3x70XE

- **Summary of Feedback Received:**

Formulario de Feedback – Testers DeSci Quark

3 submissions · Edited Jul 21

Feedback Form– Testers DeSci Quark

10 submissions · Edited Jul 1

We received 13 feedback responses, but 2 of them were repeated submissions by two testers because they made a mistake when sending their wallet to receive the transactions, so the different responses obtained are 11.

Full Name
10 responses

Lautaro Molina	Jul 29, 09:47 PM
Iara Molina	Jul 27, 04:31 PM
Lautaro Molina	Jul 27, 02:37 PM
Iara Molina	Jul 27, 02:22 PM
Leonardo Dandeu	Jul 26, 08:11 PM
Franco Birocco	Jul 22, 01:49 PM
Agustin Sabbione	Jul 22, 10:20 AM
Lucas Ermacora	Jul 16, 01:46 PM
Alicia delfino	Jul 16, 01:18 PM
Marcela Marini	Jul 15, 11:16 PM

It can be seen that there are two names repeated in the list of responses in Spanish.

Below, we show how we downloaded the 13 responses: 10 in Spanish (two were duplicated due to an error in the wallet submission) and 3 in English. Both files in CSV format were added to the "Feedback Folder".

A "**Feedback Folder** " containing all individual tester feedback submissions is attached: [link].

- **Before-and-After Comparisons with Visual Evidence of Implemented Changes:**

We have included an 82-page document summarizing the most relevant feedback received from each tester (duplicate comments removed), along with screenshots of their original observations and the corresponding improvements made based on their input:

[link to feedback summary document].

This **staggered testing approach** allowed us to iteratively collect and apply user insights to improve:

- Course content clarity

- User experience (UX) design

- Platform navigation

- Communication with learners

These refinements directly supported the platform's readiness for public launch. This phased testing approach provided valuable insights that were integrated into content, UX design, platform navigation, and user communications in preparation for the public launch.

3. Full Course Launch and Promotional Campaign

Approved on Acceptance Criteria: The course was publicly announced on at least three platforms, including social media and academic channels.

Description: The objective of this campaign was to announce the completion of course recording and to invite the public to join as beta testers, access our platform, complete the course, provide feedback, and receive 50 ADA and an NFT certificate for their participation.

Evidence:

- Social media posts:

    - X (Twitter): [Link]

    - LinkedIn: [Link]

    - Academic forum / Other: [Link]
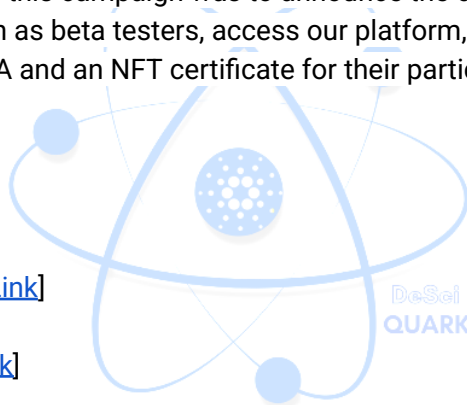
In addition, the campaign was also featured on the official DeSci Quark website, where a dedicated registration form and tester-specific page were embedded, as shown in the previous section.

- Posting dates: [June 11, 2025]

- Reach or impressions:

The social network that we had the most engagement with was X, we added current metrics.
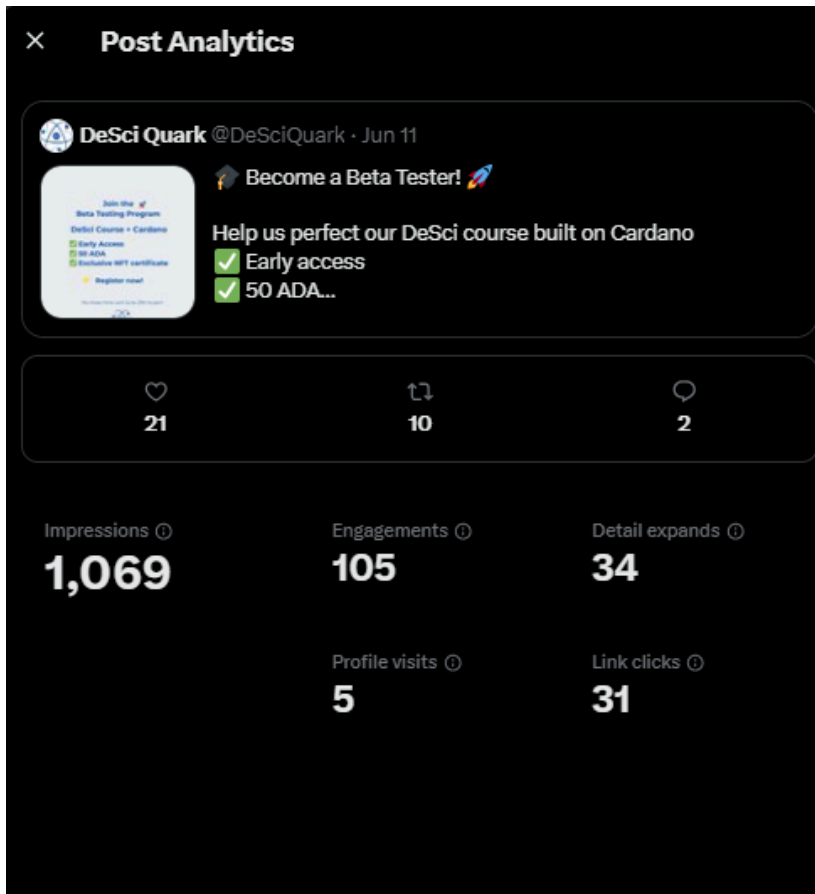
We also created a landing page in Spanish and English associated with the Desci Quark main page with a Tally insert for tester registration.

https://www.desciquark.com/en/pre-registro/

5. Community Engagement

Approved on Acceptance Criteria: An online community group was created with at least 10 active members.

Evidence:

- *A **Telegram group** was created for community interaction. The group link is included below, along with **screenshots showing user activity**.*

TG: Link: https://t.me/+8o6RX2m67BlzOGQ5

- **Engagement metrics**, *including number of posts, comments, and unique users, are also provided.*
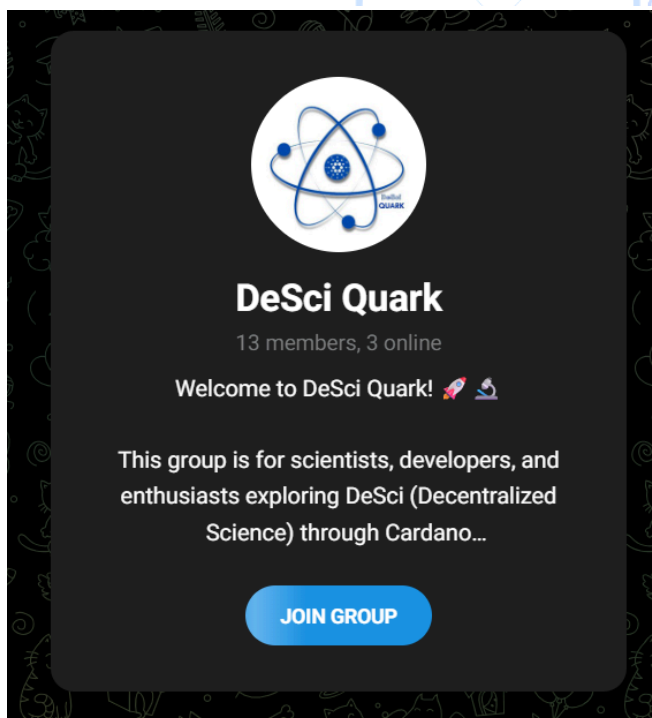
6. Certificate/NFT & ADA Distribution

Approved on Acceptance Criteria: Digital certificates (NFTs) were issued to the 10 pilot testers, and 50 ADA were transferred to each participant.

Evidence: A table is provided listing the participants who received **50 ADA transfers** and **NFT certificates**, including the corresponding **transaction IDs (tx IDs).** The tab is called "**Testers Txs**".

[Table with participant list and tx IDs]

Thank you email to testers and notification of sending 50 ADA to registered wallets. (link)

Thank you email to testers and notification of sending NFT certificates to registered wallets. (link)

Example of certificate in NFT sent:

CERTIFICATE OF APPRECIATION

Agustin Sabbione

BETA TESTER OF DESCI QUARK

THANK YOU FOR YOUR VALUE FEEDBACK
AS A DESCI QUARK BETA TESTER

COMPLETE AT AUGUST 2025

https://adastat.net/transactions/55f62744f80159e915175f6b187509e53cb98732a14e4f04e75ac2a08f6b5a4d

7. Platform Demonstration

Description: A video walkthrough of the course platform was created to showcase its navigation, accessibility features, key functionalities, available content, and testing mechanisms.

Evidence:

Registration: link o https://course.desciquark.com/register/?ld_register_id=2160

Link to the demonstration video: [Video Link] o https://youtu.be/39Al2qRMUhs

Warm regards,
Martín Rivero
Project Lead – DeSci Quark
ID: 1300094