

# Welcome to The DRep Collective

Meeting #7

For Cardano

January 15, 2025

# Highlights From Last Meeting

1. Github organization is up!
  - a. Forms
  - b. Discussion
  - c. Issues
  - d. Projects
2. Task management via github projects

# Agenda

1. Intro and review highlights (5m)
2. Metadata and web app feedback (45m)
3. Critical workstream updates (10m)

# Introductions

# Workstream Updates

Kevin

## Coordination

Oversees cross- team communication, tracks milestones, and ensures priorities stay aligned.

### Updates

- Github
- Business Plan

### What's next

- Release Business Plan

### Needs

- This Meeting
-

# Metadata Standards

Defines and refines how dRep data is structured, stored, and shared for consistent governance tools.

## Updates

- Introduced multiple new fields (e.g., region, language) and subfields to capture richer DREP data.
- Leveraging datum structures to store dynamic or updatable metadata attributes.

## What's next

- Determine how extended attributes (region, language, disclaimers, etc.) integrate across CIP-119 and CIP-68.
- Evaluate whether to amend CIP-119 further or propose a new CIP (internally referred to as CIP-148).

## Needs

- Gather input from DREPs, CIP editors, and broader stakeholders on proposed changes.
- Ensure updates can be adopted without breaking existing metadata references.
- Provide clear guidelines for creating, updating, and maintaining the extended metadata fields.

# Ecosystem Mapping

Catalogs and visualizes all dReps, initiatives, and related projects so voters can easily navigate and connect.

## Updates (alpines stab at this slide)

- **Prototype Integration:** Early-stage mapping tool leverages CIP-119 and CIP-68 to capture and link DREP data.
- **NFT Tracking:** DREP NFTs serve as anchors to correlate portfolio's, and prospective organizations.
- **Cross-Referencing Framework:** Basic indexing feeds into a nascent database to begin charting relationships among DREPs.

## What's next

- **Comprehensive Indexing:** Deploy a robust system to aggregate and query on-chain data quickly.
- **Refine Org Criteria:** Align on how organizations are identified—self-reporting vs. derived from DREP profiles—and incorporate those definitions into the mapping engine.

## Needs

- **Data Strategy:** Plan for ongoing ingestion and normalization of metadata at scale.
- **Community Input:** Engage relevant stakeholders (e.g., DREPs, CIP contributors) for feedback on how best to represent and evolve on-chain relationships.



Matthew

## Partnerships

Builds and maintains relationships with external collaborators—identifying new opportunities and integrating them into the project's growth.

### Updates

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### What's next

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### Needs

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-

Matthew

## Media and Socials

Manages community outreach and updates (social media, announcements, etc.) to keep stakeholders informed and engaged.

### Updates

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### What's next

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### Needs

- 
-

## Front End

Designs and develops the user-facing interface, focusing on clarity, usability, and a smooth experience for ADA holders.

### Updates

- Implemented a foundational theme with updated logo and direct links to all social channels.
- Established a dedicated development branch for testing new features in isolation from production.
- Wallet connection checks for a DREP NFT, revealing either a Profile/Portfolio link (if found) or a Registration form (if not).
- Hybrid Mainnet/Testnet UX: Current frontend design supports both networks, simplifying the transition to Mainnet.

### What's next

- Secure Wallet Ownership: Implement signing/verification to confirm user identity.
- Refine User Flows: Streamline registration and profile editing for better user experience.
- Design Enhancements: Engage a professional designer to solidify the brand and improve UI/UX.

### Needs

- UI/UX Expert: A specialist to establish a cohesive, professional design.
- Defined approach to validate wallet ownership (signing, proof-of-ownership checks).
- A CI/CD pipeline to ensure reliable deployments and maintain production quality.

## Back End

Implements the server-side logic, database schemas, and APIs that power the governance tools and data flows behind the scenes.

### Updates

- Minting Routes: Established endpoints that parse form data from the frontend, then invoke a CLI to mint via CIP-721 and CIP-6.
- Prototype Indexing: Early-stage database and indexing strategy to track DREP NFTs for ecosystem mapping.
- Current Infrastructure: Hosted on Malama's internal servers, which limits scalability but successfully handles DREP registration data.

### What's next

- Transition to Robust Backend: Move away from ad-hoc servers to a secure, scalable environment.
- Implement Indexing & Database: Enhance performance and enable quick lookups of addresses and NFTs.
- Refined API Services: Provide stable endpoints for frontend integration and ecosystem insights.

### Needs

- Funding to leverage established DevOps expertise, ensuring a robust, secure, and scalable deployment.
- Formalized policies and tooling to protect sensitive operations (e.g., minting, metadata updates, IPFS).

1.

# General Items

# Template

# Template

## Permanent Data

- Finalized Votes (Voting App)
- DRep I.D. (NFT)
- Wallet I.D (NFT)

## Data that Changes

- Smart contract to be able to represent a vote yes or no with a datum. (Voting Tool)
- Stamps on Passport (NFT)

## Not Sure Yet

- DRep I.D. as Passport Name?
- Mintable Map/Airdrop

<https://forum.cardano.org/uploads/short-url/IEc39pAmcklipkOUhH7B2sDsZzO.pdf>

# How Will it Work Simplified



# Problem Statement

Cardano's ecosystem faces a human interoperability challenge as it transitions to full self-governance. The core issue: How can community members, especially potential Decentralized Representatives (DReps), effectively represent and contribute to a community they can't fully see or understand?

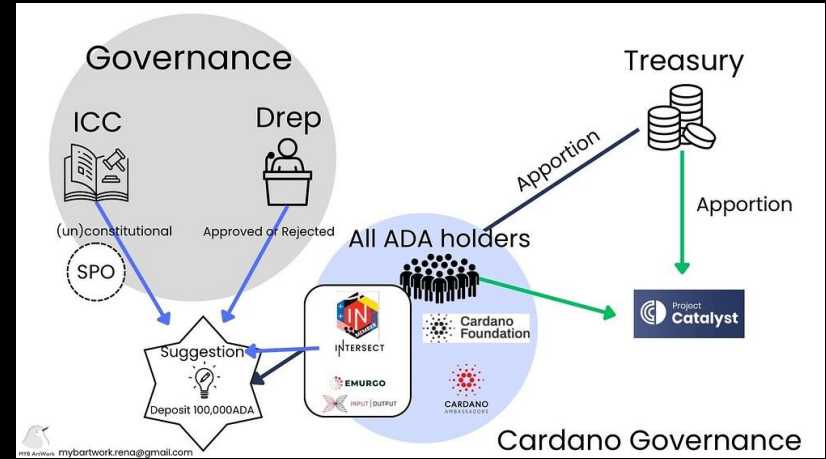
## Problems

Limited visibility: DReps struggle to engage with unknown community members

Representation dilemma: Difficulty in representing an incompletely understood community

Proximity bias: DReps' understanding is often restricted to their immediate networks influenced by factors including region, language and the roles in the industry the DRep plays.

Role ambiguity: Unclear delineation of DRep responsibilities within the ecosystem



[https://docs.google.com/document/d/1q05tUZoq-A\\_txfyL-gBy2G8eaHdEAAFFTAfXdbopW10/edit?tab=t.0#heading=h.o2hakhtse2v](https://docs.google.com/document/d/1q05tUZoq-A_txfyL-gBy2G8eaHdEAAFFTAfXdbopW10/edit?tab=t.0#heading=h.o2hakhtse2v)

<https://forum.cardano.org/t/human-interoperability-metadata-standards-and-ecosystem-maps-do-we-need-a-set-of-metadata-standards-and-definitions-for-defining-ecosystem-relationships-and-sectors/135155/37?u=benohanlon>

# Metadata

Cip-0119, how it is currently structured:

[https://docs.google.com/document/d/1q05tUZoq-A\\_txfyl-gBy2G8eaHdEA\\_AFFTAfXdbopWl0/edit?tab=t.0](https://docs.google.com/document/d/1q05tUZoq-A_txfyl-gBy2G8eaHdEA_AFFTAfXdbopWl0/edit?tab=t.0)

<https://forum.cardano.org/uploads/short-url/IEc39pAmcklipkOUhH7B2sDsZzO.pdf>

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{
  "xxx": {
    "<policy_id>": {
      "<asset_name>": {
        "name": "<string>",
        "description": "<string>",
        "image": "<uri>",
        "type": "<string: Role |
Relationship | Sector>",
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            "title": "<string>",
            "responsibilities":
["<string>"],
            "skills": ["<string>"]
          },
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            "parties": ["<string>"],
            "strength": "<integer: 1-5>"
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            "subsectors": ["<string>"],
            "keyPlayers": ["<string>"]
          }
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          "updatedAt": "<timestamp>",
          "version": "<string>"
        }
      }
    },
    "version": "1"
  }
}
```

01

#### Metadata Standards

- CIP-0119
- CIP-1694
- CIP-0100 (Expand Upon)
- Base Layer vs Changeable Layer

02

#### Ecosystem Map

+

- Interactive Map
- Educational & Informative
- Corresponds to various Gov actions on gov.tools.
- Updated Yearly or Quarterly as needed
- Human Sensory Networks
- Airdop

03

#### Voting Passport

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- Stamps for Voting
- Stamps for different ecosystems explored
- Annually Renewed

04

#### Internal Voting Platform

- Soul Bound “Passport” NFT’s allow users to possibly vote anonymously?
- Allows for DRep coordination in case of attacks.
- Collectivize to get paid and have legal protection.

# Ideas & suggestion

# Template

01/7/25

Kickoff Meeting

04/01/25

First 100 Users +  
Passport &  
Ecosystem Map

07/01/25

First 300 Users  
Metadata Complete

02/01/25

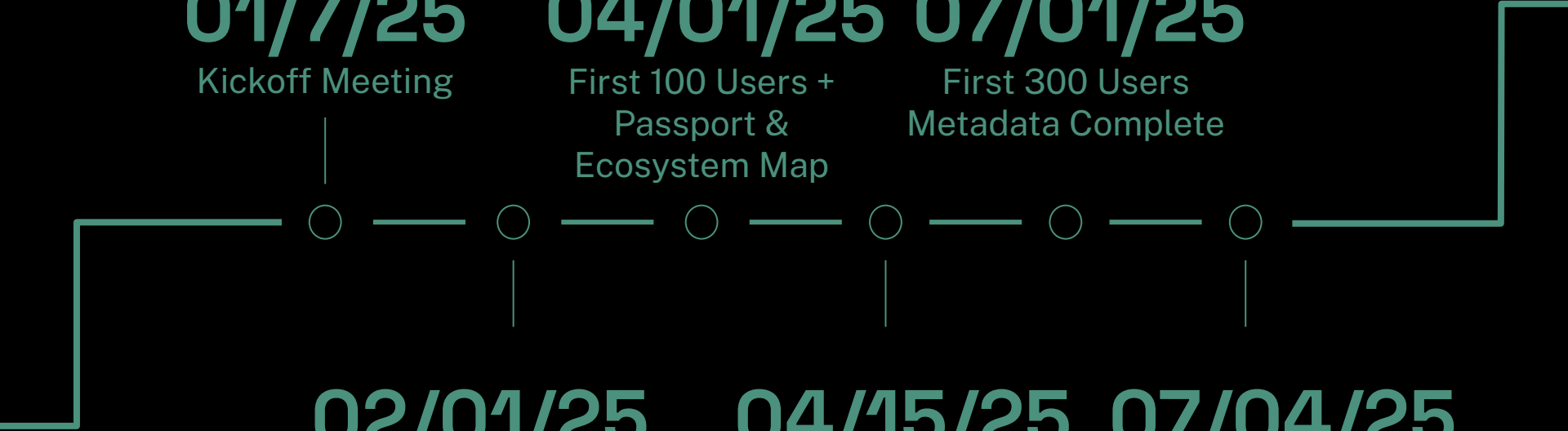
Meta Data  
Roadmap

04/15/25

Voting Platform  
Designed

07/04/25

Voting Platform  
Finalized



# Offchain: Possible Voting Bylaws

Voting bylaws can be used to drive the ecosystem in several directions:

- Can increase participation
- Can make sure we get the threshold to propose our own governance actions such as a treasury withdrawal for funding
- Can protect the community from outside influence
- Can help foster discussion if people know they have to vote
- Can act as a way to make sure delegates get good service
- Creates a good reputation
- Can purchase legal protection
- Easy Onboarding

- Tier 1 Voting Requirement  
To remain in the collective you must vote on a gov action deemed tier 1. Tier 1 voting actions are considered attacks on the chain such as a sybil attack or massive treasury withdraw from an entity such as binance.
- Tier 2 Voting Requirements  
Tier 2 voting requirements are proposals such as new constitutional committee members or new constitutions. It doesn't matter who or what you vote for but you must vote yes/no.
- Tier 3 Voting Requirements  
Can vote yes/no or abstain but must vote.
- Tier 4 Voting Requirements  
Can vote or not vote however one pleases.