

Polkadot OpenGov

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Polkadot is a DAO

Agenda

- What is OpenGov?
- Mechanics
- OpenGov Today
- Discussion

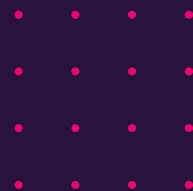
Raise your hands...

What is OpenGov?

Full Token Holder On-Chain Governance

Full Token Holder On-Chain Governance

- On-Chain Governance
 - On-chain submission, voting, execution
 - Automatic(!) execution
- Token holder
 - All decisions are made by all token holders
 - Every token holder can initiate referenda
- Full
 - Runtime upgrades
 - Change system parameters & state (e.g. mint/burn tokens)
 - Call any extrinsic
 - Treasury spending
 - ...



How can everyone decide on everything?



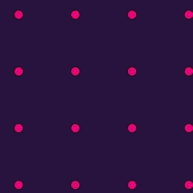
What do you need to win?

- Decision deposit
- Majority
- Time

Helpful:

- Capital → Voting Power
- Social Capital
- OpenGov Expertise

What's the Process?



Proposal → Decision → Enactment



Voting

Voting

- What is a vote?
 - Democracy: 1 person - 1 vote
 - Plutocracy: 1 token - 1 vote
 - Why don't we have "1 person - 1 vote"?
 - KYC
 - Nothing-at-stake
 - Why don't we have quadratic voting?
- YES - NO - ABSTAIN
- Conviction Voting

1x voting balance, locked for 1x duration (7 days)

0.1x voting balance, no lockup period

1x voting balance, locked for 1x duration (7 days)

2x voting balance, locked for 2x duration (14 days)

3x voting balance, locked for 4x duration (28 days)

4x voting balance, locked for 8x duration (56 days)

5x voting balance, locked for 16x duration (112 days)

6x voting balance, locked for 32x duration (224 days)

Conviction Voting

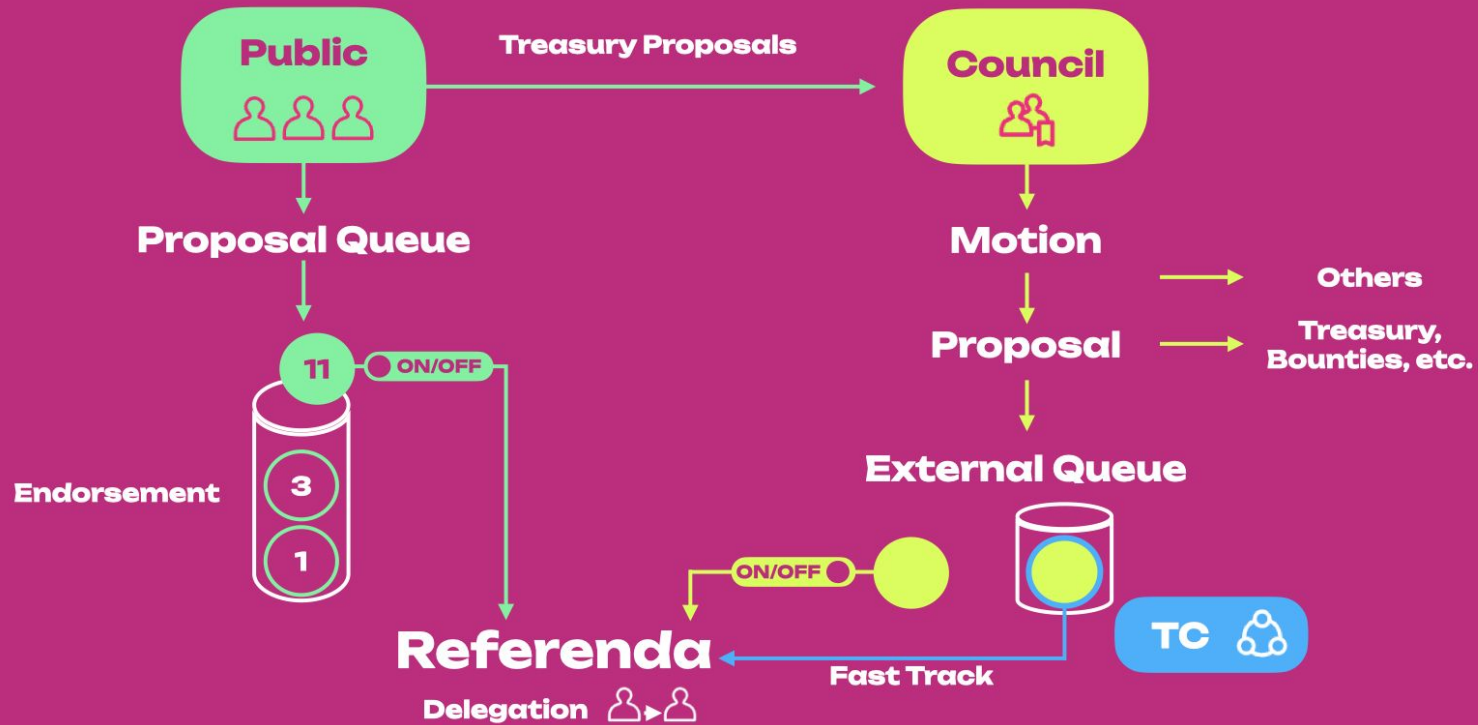
Treasury

Treasury

- Spends & Bounties
- Multi-asset Treasury: DOT, USDT, USDC...
- 33m DOT & 250k KSM

History

Gov1



Gov 1

- **Referenda**
 - Anyone can propose
 - Only one proposal decided at a time
 - Proposals enter a queue
 - Competition to get your proposal on the top of the queue
- **Motions**
 - Council is voted in by token holders
 - (Decide on tipping)
 - Submit motions
 - Could influence how many votes are needed to decide a referendum
- **Technical Committee could fast-track motions**

Gov 1 - Implications

- The system was decentralized, but...
- Lots of power for the Council
- In practice you needed the support of the council (and sometimes TC) to get something through

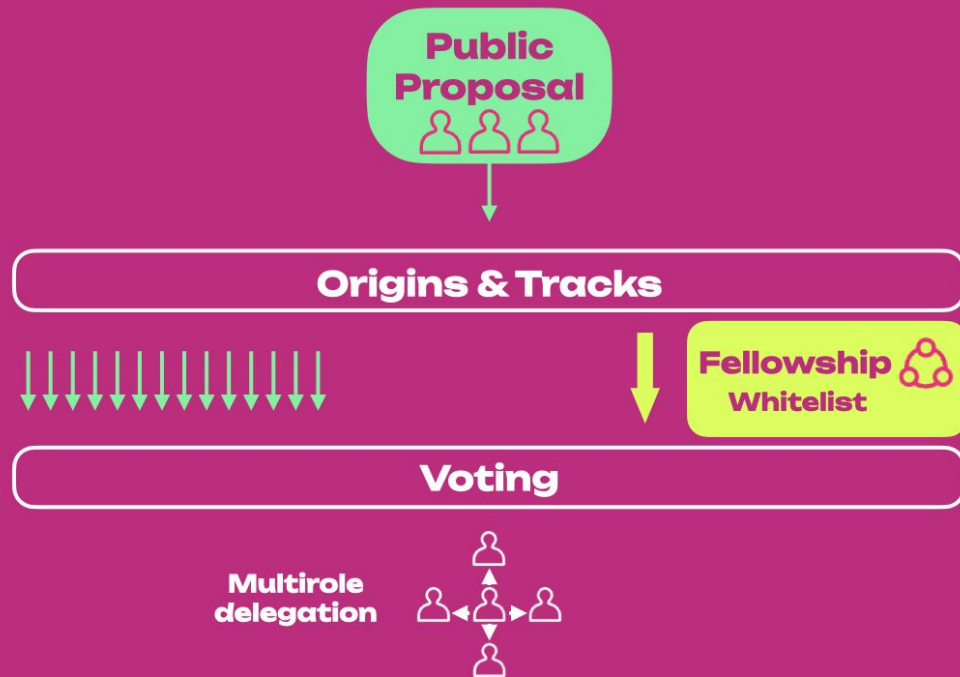
From Gov1 to OpenGov

OpenGov

- No Council
- Multiple proposal tracks
- Different params for timelines and decision deposits
- Delegations
- Tracks

Tracks

- Root
- Staking Admin
- Referendum Cancellor/Killer
- Treasury
- Whitelist
- Wish for Change



Track Timeline Structure



Origin

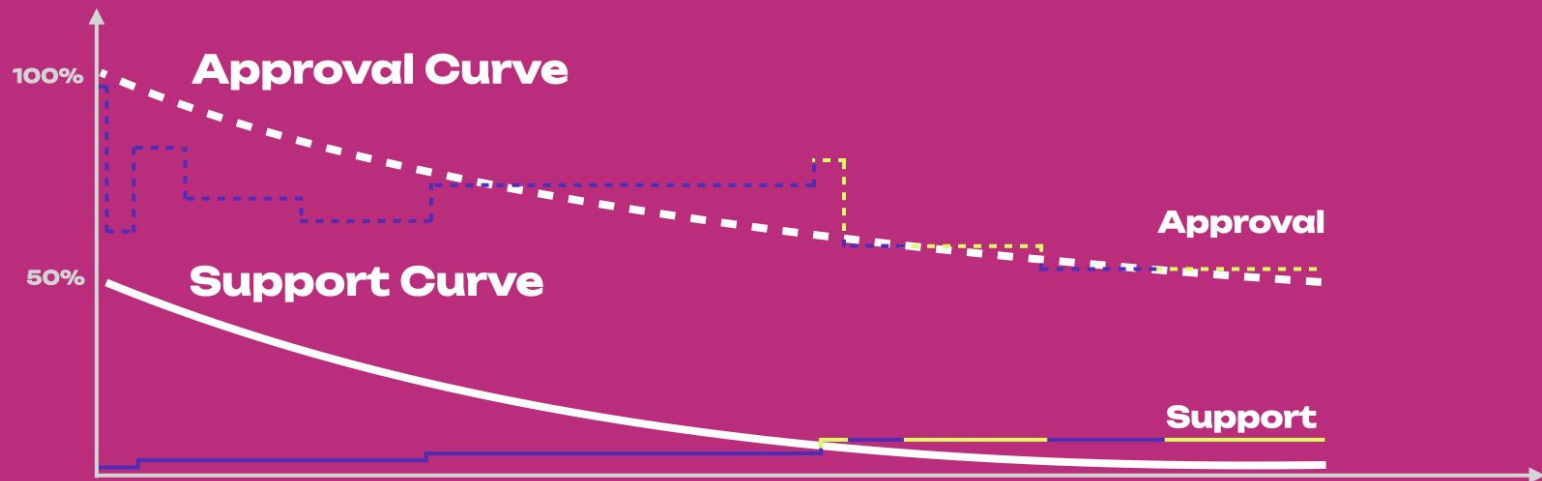
Track

Root



Small Tipper






Decision

Bounties

Bounties

- Social Contract with a multisig Sub-Treasury
- Curators
- Child Bounties
- We think of it as departments
- opengov.watch/guides/bounty_best_practices

#	Name	Status	Proposal	Curator proposal	Transparency Page	Misc
10	Polkadot Pioneers Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		Website
11	Anti-Scam Bounty	Active	https://polkadot.subsc	https://polkadot.subscs://polkadot.antiscam.te		Website , Discord , Twitter
17	Events Bounty	Active	https://polkadot.subsc	https://polkadot.subsc9S-Up45mwTSHUks0Gef		Website , Twitter , Linktree
22	Polkadot Assurance Legion Bounty	Active	https://polkadot.subsc	https://polkadot.subsc	https://github.com/polka	Security audit for Parachains, Twitter
32	System Parachains Collator Bounty	Active	https://polkadot.subsc	https://polkadot.subsc	https://docs.google.com	Regular updates on the proposal page
33	Marketing Bounty	Active	https://polkadot.subsc	https://polkadot.subsc/MB-Spending-Tracker-15		Notion Page , Submission Form
36	DeFi Infrastructure and Tooling Bounty	Active	https://polkadot.subsc	https://polkadot.polka		
37	Paseo Testnet Bounty	Active	https://polkadot.subsc	https://polkadot.polkaAIFjMs1-NHKf83xCiLaoZK		Twitter , GitHub
38	Games Bounty	Active	https://polkadot.subsc	https://polkadot.subsc/assembly.io/referenda/		Website
43	Meetups Bounty	Active	https://polkadot.subsc	https://polkadot.subscsite/Reports-13407b7487		Max ask \$1,000, Submission Form , Notion Page
50	Infrastructure Builders Program	Active	https://polkadot.subsc	https://polkadot.subscop.network/docs/categor		Website , Wiki , Submission
52	UX Bounty	Active	https://polkadot.subsc	https://polkadot.subsc	https://polkadot-ux-bou	Homepage , Telegram
19	Wasm Smart Contracts Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		
44	Polkadot - Kusama Bridge Security Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		
24	Moderation Team Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		 Polkadot Moderation Team Bounty
31	Public RPCs for Relay and System Chains	Active	https://polkadot.subsc			
59	Open Source Developer Grants Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		
62	Legal Bounty	Active	https://polkadot.subsc	https://polkadot.subsc		
49	Technical Support Bounty	Inactive	https://polkadot.subsc	https://docs.google.com/nical-Support-Bounty-G		Telegram , Submission Form , Website
64	Rust Bounties	Waiting for Curators	https://polkadot.subsc	https://polkadot.subsc		
63	Fast Grants Bounty	Waiting for Curators	https://polkadot.subsc			

Collectives

Collectives

- On-chain primitive
- Technical Fellowship & Ambassador Collective
- Executive bodies
- Custom pallet
- Membership management & Ranks
- Payroll in DOT, USDT, any
- Sub-Treasury

Technical Fellowship

- Sort-of replaced Technical Committee
- Can whitelist proposals for fast enactment/cheaper deposits
- Consists of Polkadot core devs
- Responsible for building the Polkadot runtime
- RFCs & RFPs
- OpenDev calls

polkadot-fellows / RFCsPublic

NotificationsFork31Star84

<> CodeIssues9Pull requests22ActionsProjectsSecurityInsights

is:pr is:openLabels9Milestones0New pull request

22 Open	30 Closed	Author	Label	Projects	Milestones	Reviews	Assignee	Sort
Added RFC cron job1								
#68 opened 3 days ago by Bullrich • Approved								
Add EVM+ink! Contracts Pallets to Asset Hub for Polkadot6								
#66 opened last week by sourabhniyogi								
Support allocator inside of runtime13								
#61 opened last month by yjhmelody								
Add a discovery mechanism for nodes based on their capabilities2								
#59 opened on Dec 18, 2023 by tomaka								
Remove the concept of "heap pages" from the client1								
#54 opened on Nov 24, 2023 by tomaka								
Generate ownership proof for SessionKeys11								
#48 opened on Nov 13, 2023 by bkchr								
Assignment of availability-chunk indices to validators134								
#47 opened on Nov 13, 2023 by alindima								
Metadata for offline signers120								
#46 opened on Nov 8, 2023 by Siesarew								
Lowering Deposit Requirements on Polkadot and Kusama Asset Hub45								
#45 opened on Nov 7, 2023 by poppyseedDev								
Rent Based Registration Model8								
#44 opened on Nov 6, 2023 by Szegoo								
Introduce storage_proof_size Host Function for Improved Parachain Block Utilization53								
#43 opened on Nov 6, 2023 by Szegoo								

RFC process

Introduction
Approved
RFC-1: Agile Coretime
RFC-5: Coretime Interface
RFC-0007: System Collator Selection
RFC-0008: Store parachain bootnodes in relay chain DHT
RFC-0012: Process for Adding New System Collectives
RFC-0014: Improve locking mechanism for parachains
RFC-0022: Adopt Encounter Runtime
RFC-0032: Minimal Relay
RFC-0050: Fellowship Salaries
RFC-0056: Enforce only one transaction per notification
Newly Proposed
Proposed
RFC-0000: Lowering NFT Deposits on Polkadot and Kusama Asset Hubs
RFC-0026: Sassafras Consensus Protocol
RFC-34: XCM Absolute Location Account Derivation
RFC-0042: Add System version that replaces StateVersion on RuntimeVersion
RFC-0000: Metadata for offline signers
RFC-0047: Assignment of availability chunks to validators
RFC-0061: Support allocator inside of

Polkadot Fellowship RFCs

(source)

Table of Contents

- RFC-1: Agile Coretime
 - Summary
 - Motivation
 - Present System
 - Problems
 - Requirements
 - Stakeholders
 - Explanation
 - Overview
 - Detail
 - Specific functions of the Coretime-chain
 - Notes on the Instantaneous Coretime Market
 - Notes on Economics
 - Notes on Types
 - Rollout
 - Performance, Ergonomics and Compatibility
 - Testing, Security and Privacy
 - Future Directions and Related Material
 - Drawbacks, Alternatives and Unknowns
 - Prior Art and References

RFC-1: Agile Coretime

Start Date	30 June 2023
Description	Agile periodic-sale-based model for assigning Coretime on the Polkadot Ubiquitous Computer.
Authors	Gavin Wood

Summary



Off-Chain Governance

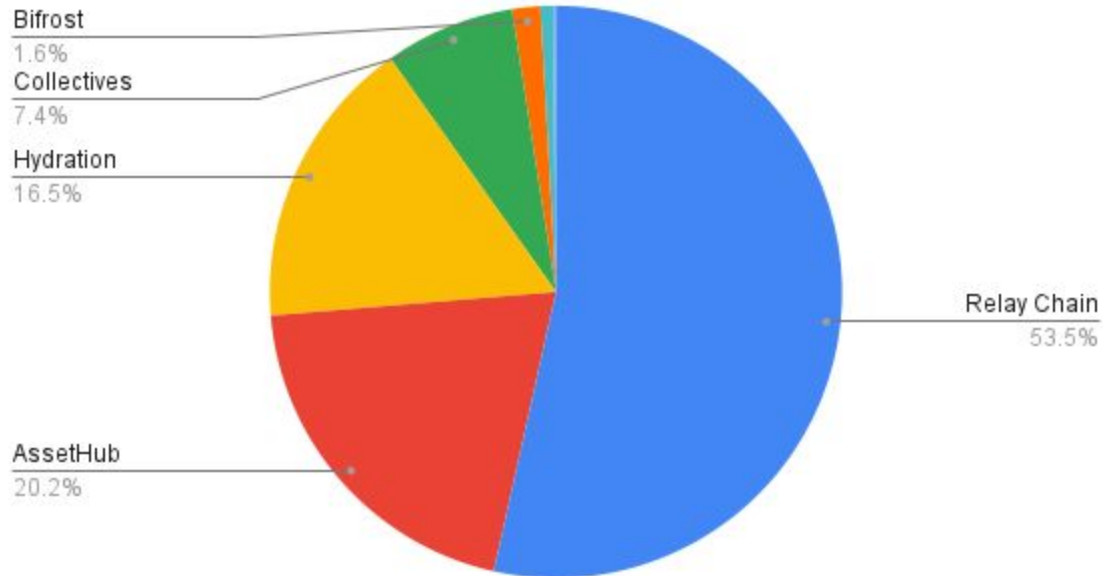
OpenGov Today

Facts

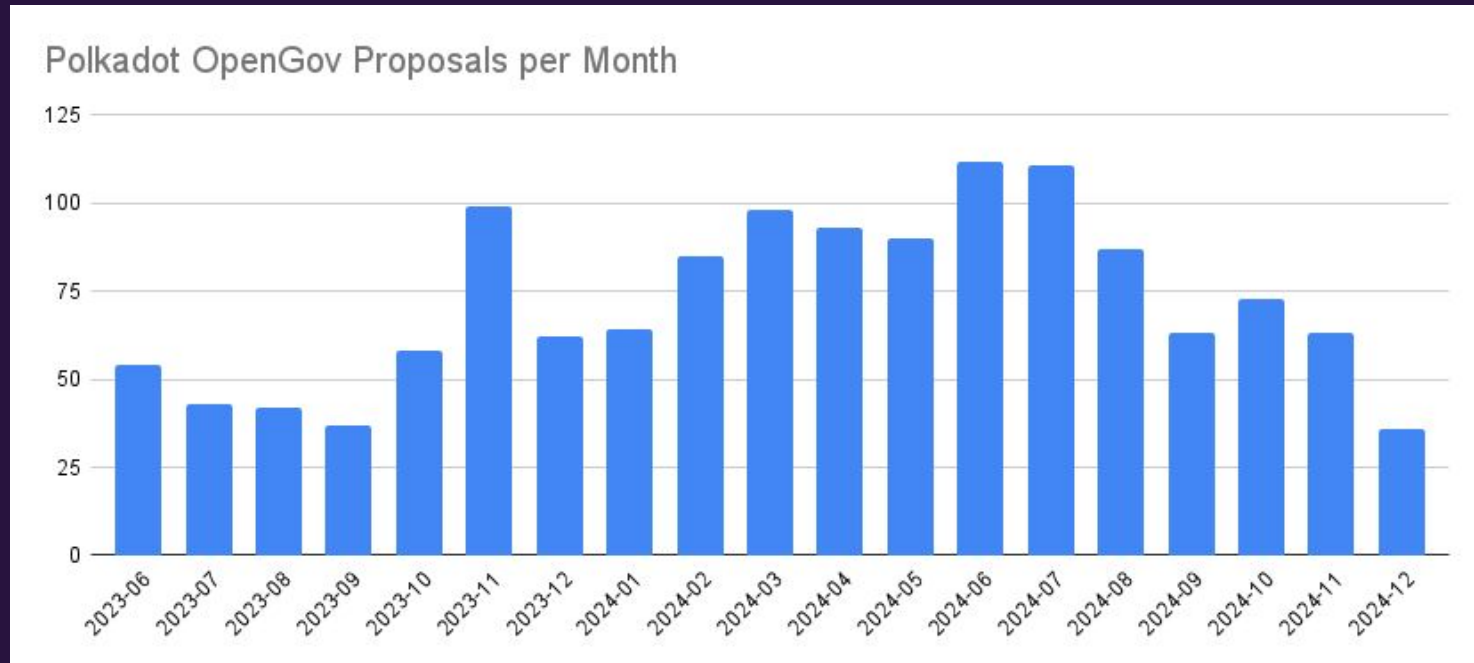
What is it used for?

- Forkless upgrades & system config
- Unbrick chains, (try to) recover DOT from exploits
- Root track activism (deregister parachains)
- Cancelling and killing referenda
- Request changes to Polkadot: issuance, voting
- Error! Please vote NAY
- Acquire USDT & USDC from Hydration

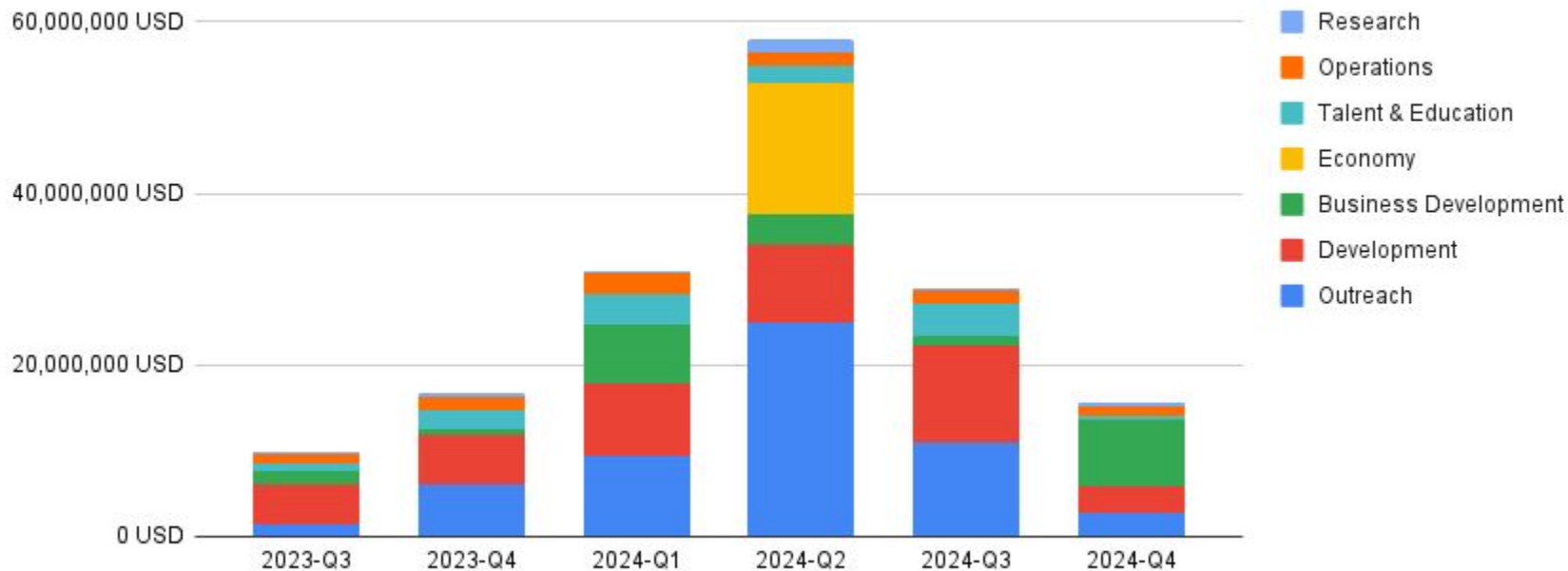
Polkadot Treasury Assets by Chain - 2024-12-31



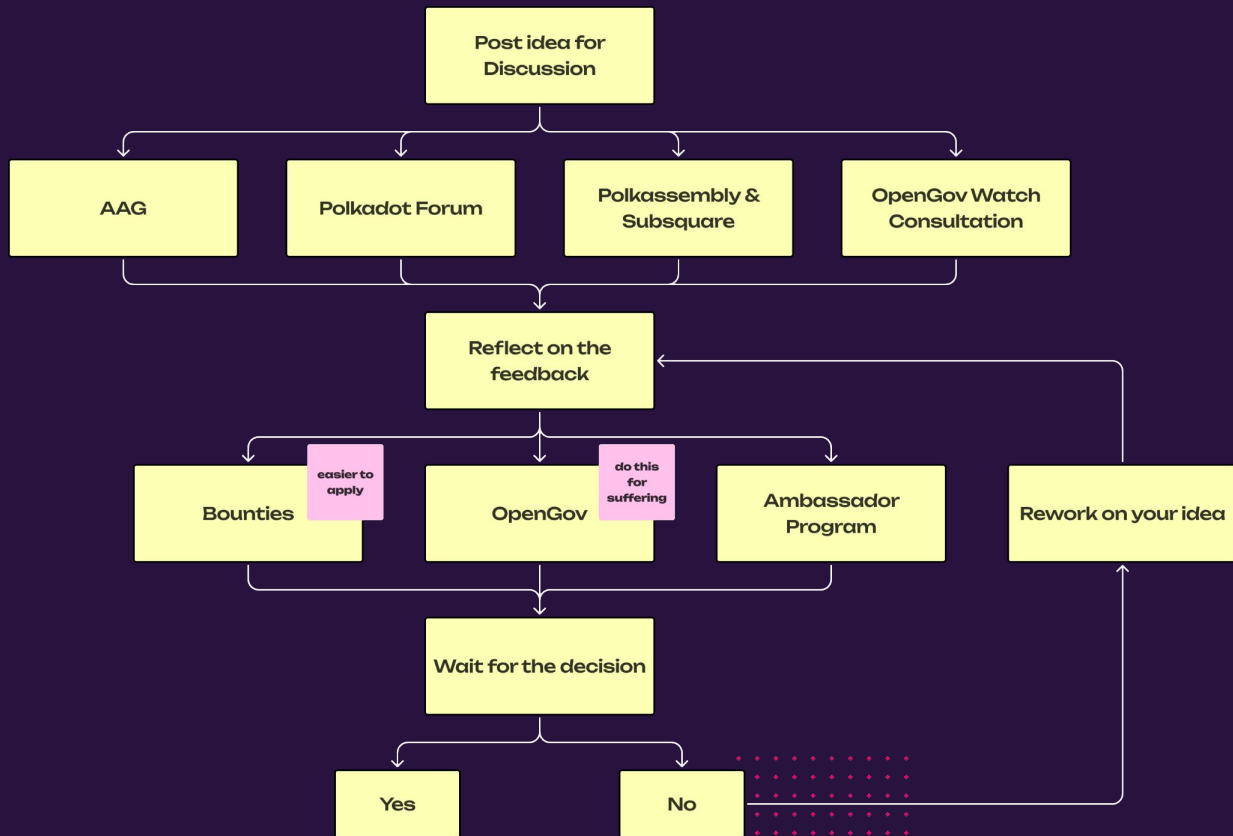
Throughput



Polkadot Treasury Spend per Quarter by Category



Off-Chain Process



Power Structures

- Guardian Angels
- DarkGov
- Whales
- Delegates
 - Decentralized Voices

Tools

Tools

- Polkasassembly
- SubSquare
- DoTreasury
- CD Discord Voting Bot
- OpenSquare Off-Chain Snapshot Voting

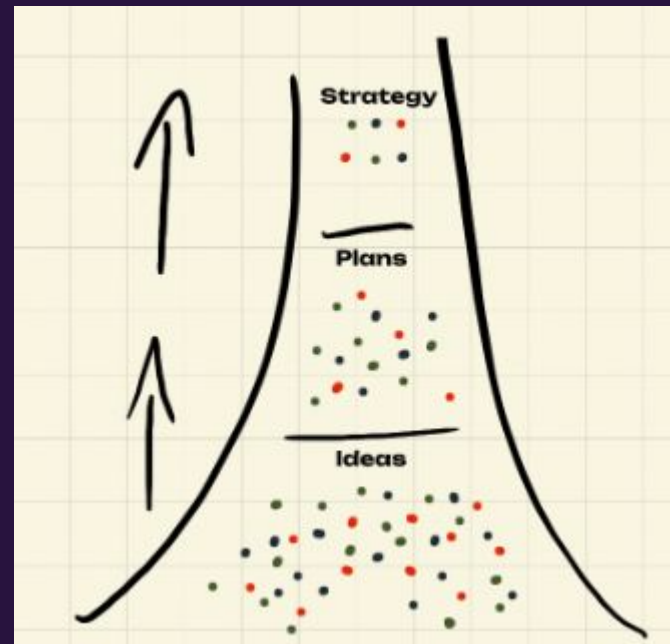
Discussion

Discussion

- OpenGOV pushed more responsibility to token holders
- Evolving practice
- Typical issues
 - Low voter turnout
 - Polarization
 - Time, Motivation, Attrition
 - Vote bribes
 - In-Groups
- Community Organizing
 - Top-Down vs. Bottom-Up

The Future of OpenGov

- Collectives
- Legislative and Executive branch
- Public forums
- RFPs
- Coordination around initiatives
- Budget
- Decentralized Project Management



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 Joined June 2021

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PolkadotDevs: MeetUps

Thank you!

