The next generation of governors will be modular

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Value held by DAOs — Tally





Wallets own "voting" tokens in their portfolio — Tally



TALLY Q Search DAOs

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Explore DAOs		All networks v Q. Filter by name			
Name		Proposals	Holders	Voters	
	Arbitrum ACTIVE PROPOSAL	62	1.37M	440.14K	n Arbitrum
2	ZKsync ACTIVE PROPOSAL	1	373.35K	282.15K	↔ ZKsync Era
-010	LII NOUNS ACTIVE PROPOSAL	262	2.26K	4.9K	🔶 Ethereum
-00	Nouns Dao ACTIVE PROPOSAL	688	388	1.38K	🔶 Ethereum
H	Unlock DAO ACTIVE PROPOSAL	9	547	83	Base
ø	Reflexer Ungovernor ACTIVE PROPOSAL	54	3.78К	63	🔶 Ethereum
	Darwinia Community DAO ACTIVE PROPOSAL	14	18	17	Darwinia
OP	Optimism	25	1.24M	285.81K	🤭 Optimism
A	Aave	401	85.7K	151.01K	🔶 Ethereum
6	Wormhole	0	127.2K	124.81K	O Multichain
23	Uniswap	66	383.92K	45.88K	🔶 Ethereum
\bigcirc	ENS	32	65.78K	35.13K	🔶 Ethereum
3	Gitcoin	101	93.25K	19.45K	🔶 Ethereum

Growing application = growing governance needs





Many options

- How can vote? "Multisig" vs "Token holders"
- What do you vote on? "Manage funds" vs "Arbitrary execution"
- Lifecycle of the proposal?
 - Threshold, Quorum, Durations
 - Voting options
 - Auxiliary contracts (token, timelock, ...)
- Lifecycle of the governance?
 - Upgradeability
 - Separation of concerns "vote / execution"

Figuring all that is not easy, and will impact you and your users!



@openzeppelin/contracts@5.1.0 @openzeppelin/contracts-upgradeable@5.1.0







There is no silver bullet (yet)

You may want to:

- Have different rules depending on "proposal details"
 - Amount of funds moved
 - Chain that is going to be affected
- Combine community votes with a multisig of "guardians"
 Community votes can literally be "bought"
- Have a "dynamic" approach to voting

Upgradability is not ideal. Maintaining multiple instances is not practical.



Are DAO just "smart accounts"?

Why not make the governor contract an ERC-4337 / ERC-7579 smart account?

- Governor would refund proposers (with some conditions) using ERC-4337
- Queuing / Execution would also see gas refunded (always?)
- Signature verification is replaced with vote verification
 - Using an ERC-7579 module
 - Voting would happen on the module, not on the governor
 - Many voting modules can be enabled that provide different "voting modes"

This simplifies migrating from the "multisig phase" to the "DAO phase"



Thank you!

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