

# Governing together

Blockchain Summit Uruguay, Montevideo  
September 05, 2019

## Introduction



# Camilo Rodriguez

- Decred collaborator



**How do we make  
sure a Blockchain  
lasts in time?**

## How do we make sure a Blockchain lasts in time?

---

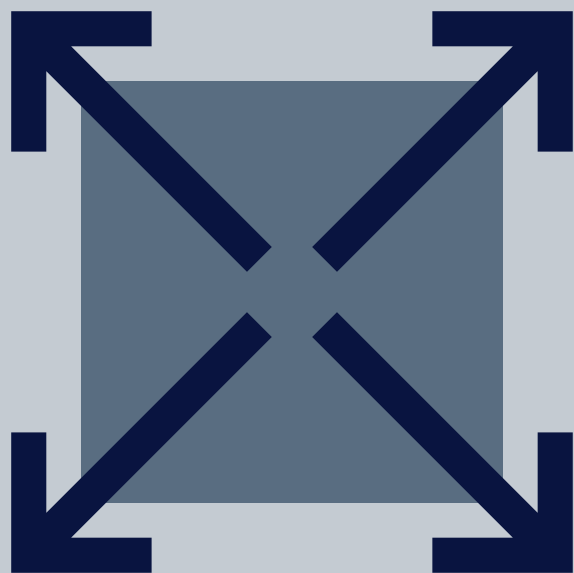
- Technical innovation
- Decentralized decision making
- Self-funding
- Balanced incentives



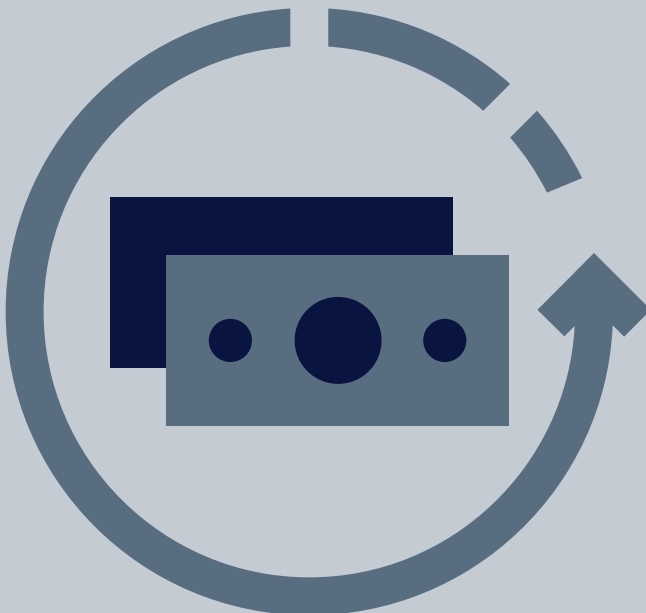
# Three main pillars



Security



Adaptability



Self-funding



## Security

---

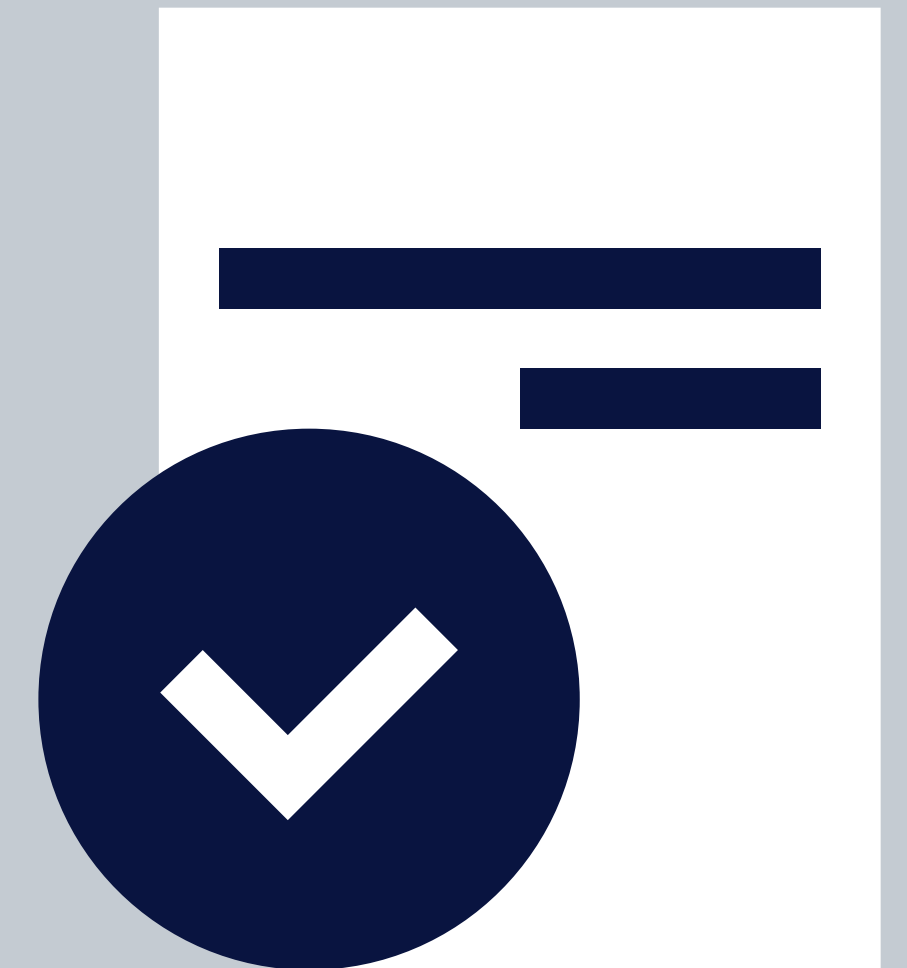
- Hybrid PoW/PoS system
- Miners create blocks
- Stakeholders validate blocks
- PoS audits PoW



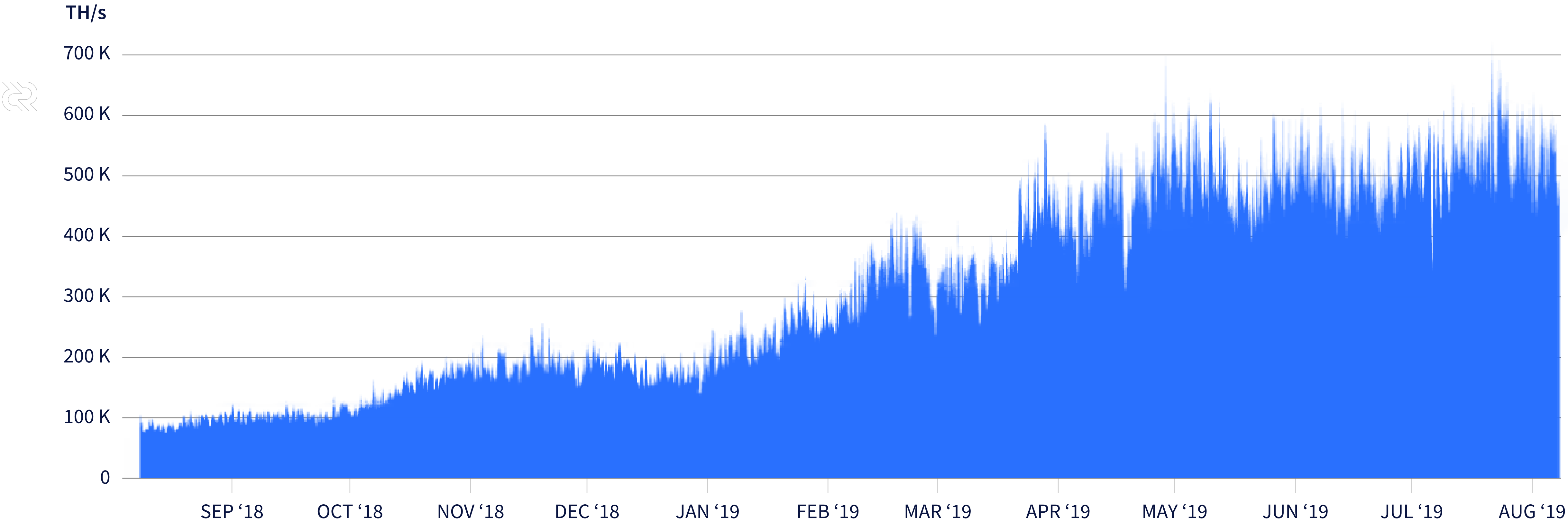
## PoW Security

---

- Timestamping
- Blake256(14r)
- More hashrate, more security



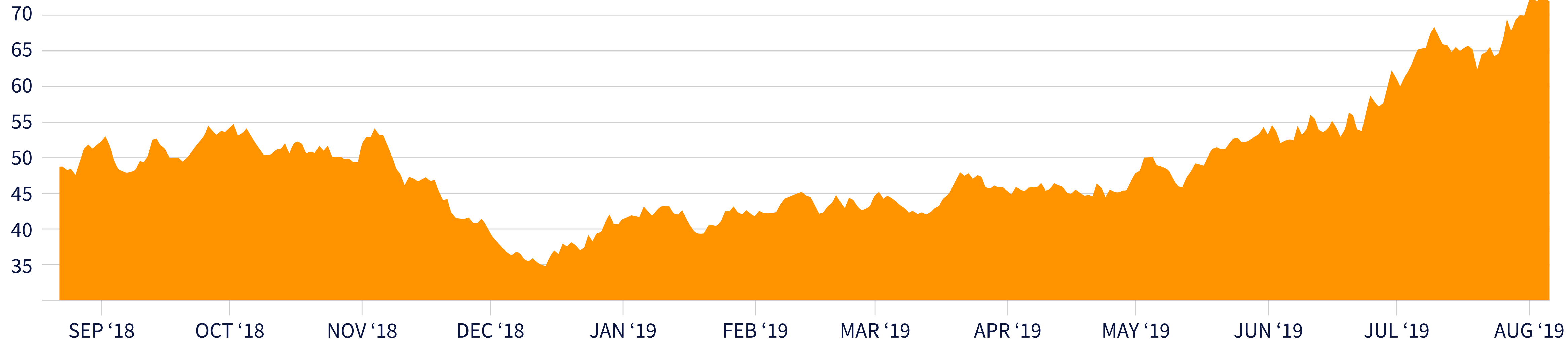
# Hashrate growth



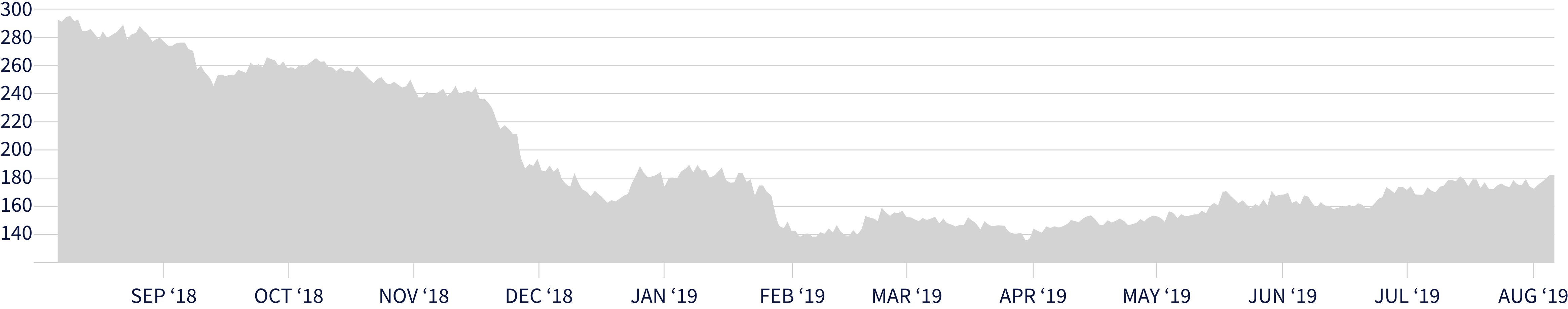




EH/s



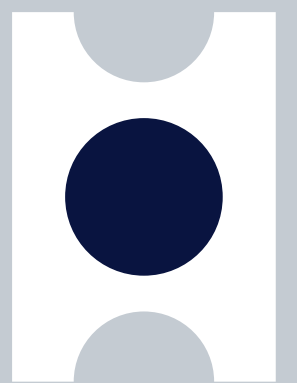
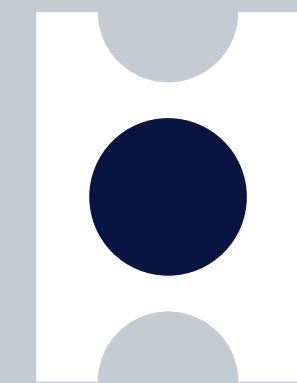
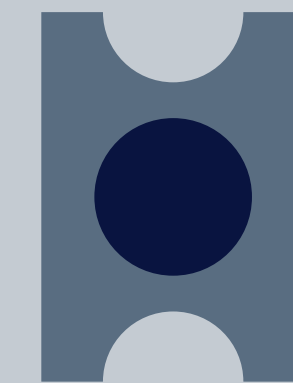
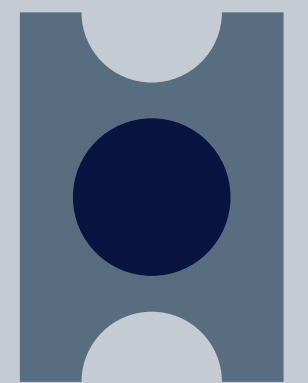
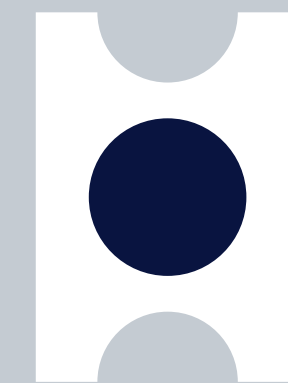
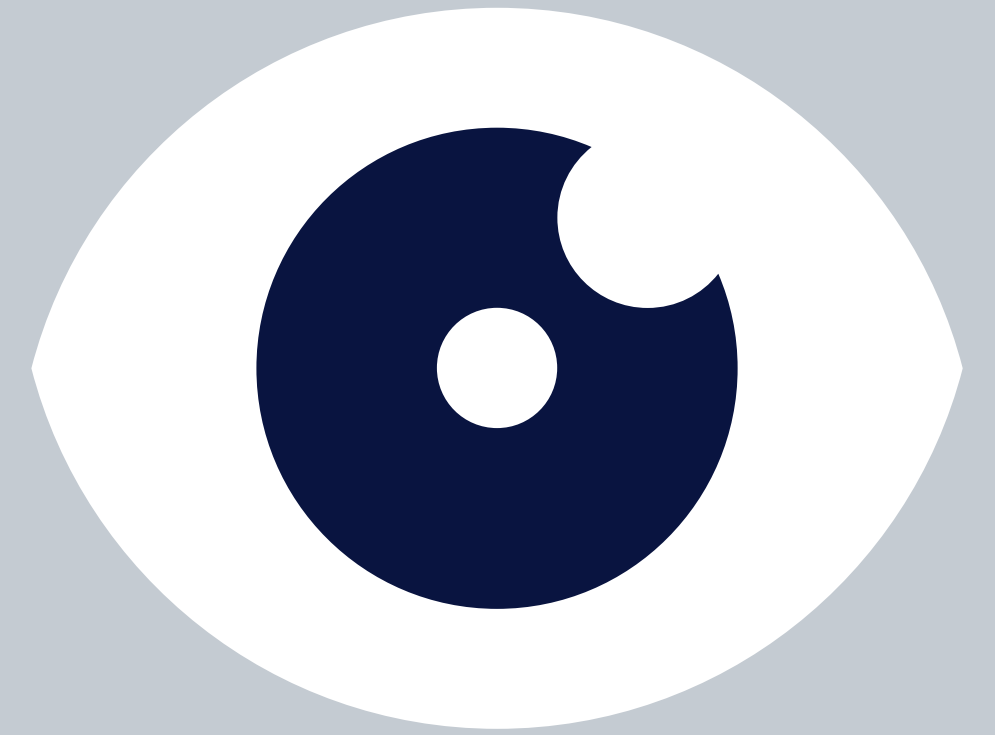
TH/s



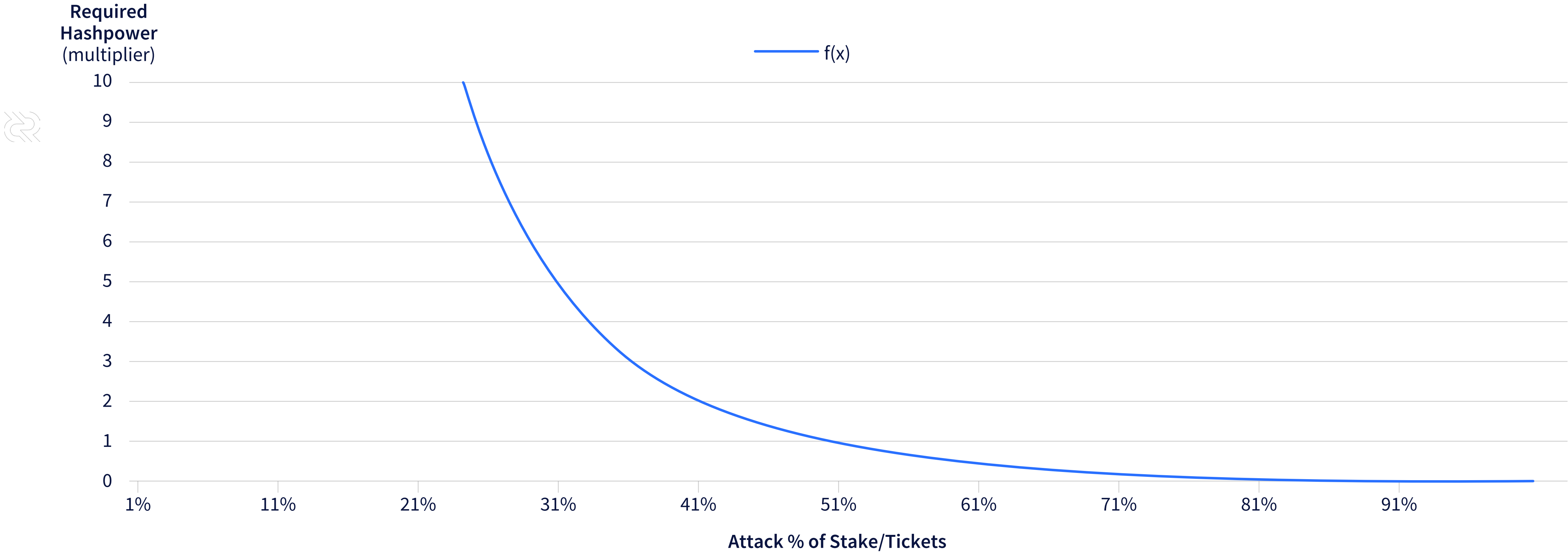
## PoS security

---

- Buying tickets
- PoS block validation
- Participation
- Every new block needs **3 out of 5 tickets**, of random picked tickets to be valid
- PoS as 2FA for PoW



# Security against majority attacks



## Adaptabilidad & Governance

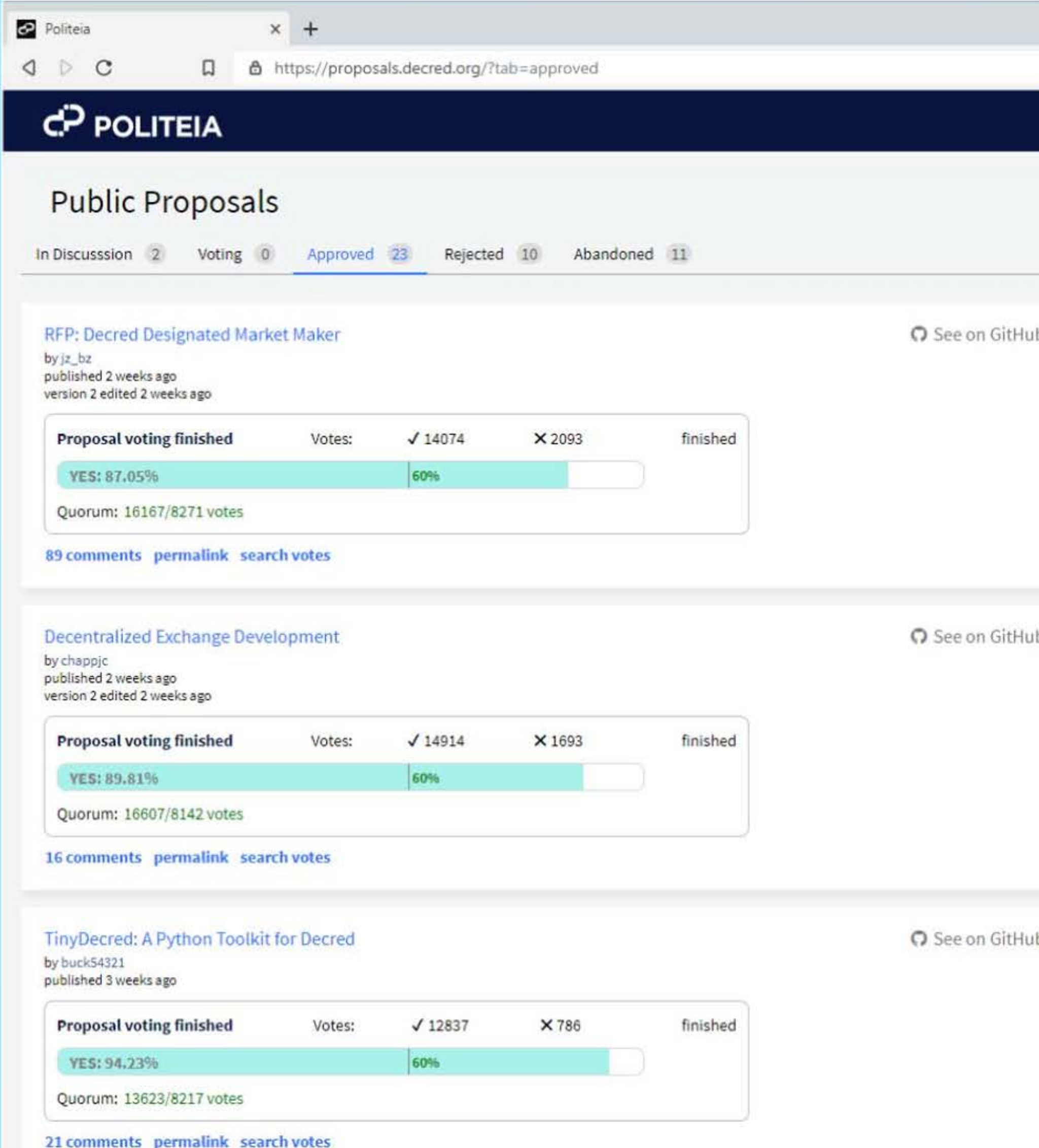
---

- 60-30-10 distribution
- Voting for changes
- Decentralized treasury



# Politeia: The governance platform

- To learn more about Politeia, visit: [proposals.decred.org](https://proposals.decred.org)



The screenshot displays the Politeia website interface, specifically the 'Public Proposals' section. The browser address bar shows the URL <https://proposals.decred.org/?tab=approved>. The page header features the Politeia logo and navigation tabs for 'In Discussion' (2), 'Voting' (0), 'Approved' (23), 'Rejected' (10), and 'Abandoned' (11). Three approved proposals are listed, each with a title, author, publication date, and a voting summary. Each proposal includes a progress bar indicating the percentage of 'YES' votes and the quorum status.

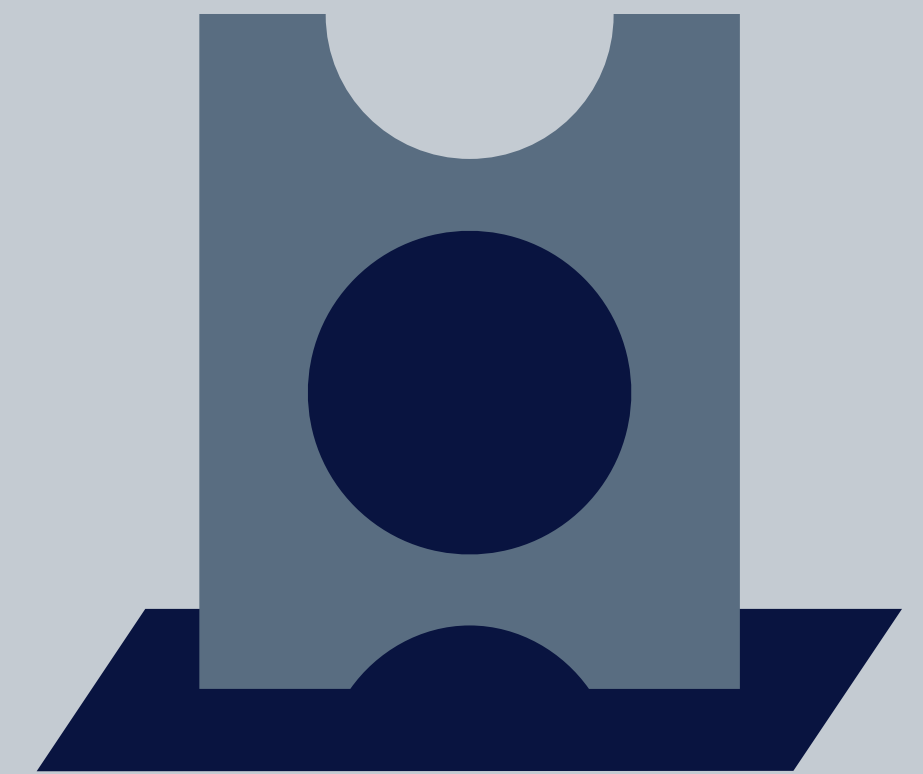
Proposal Title	Author	Published	Version	YES Votes (%)	NO Votes (%)	Quorum	Comments
RFP: Decred Designated Market Maker	by jz_bz	published 2 weeks ago	version 2 edited 2 weeks ago	87.05%	12.95%	16167/8271 votes	89 comments
Decentralized Exchange Development	by chappjc	published 2 weeks ago	version 2 edited 2 weeks ago	89.81%	10.19%	16607/8142 votes	16 comments
TinyDecred: A Python Toolkit for Decred	by buck54321	published 3 weeks ago		94.23%	5.77%	13623/8217 votes	21 comments



## Voting

---


- The Voting Phase lasts **2016 blocks**
- **20%** of live tickets must participate
- **60%** of those tickets must vote 'yes'

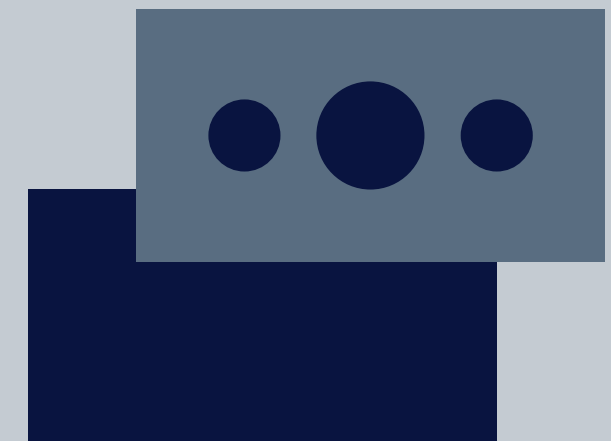
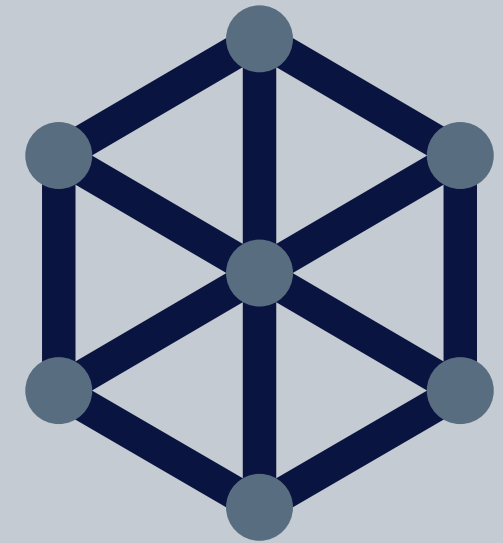


# Conclusions

## Conclusions

---

-  Hypersecurity thanks to PoW/PoS
- On-chain & off-chain governance
- Self-funding







# THANK YOU!

Join the conversation!



**Camilo Rodriguez**

Decred colaborator / CRO at Crypto Rocket

¡Follow me on Twitter! @camilolwi

[www.decred.org](http://www.decred.org)