

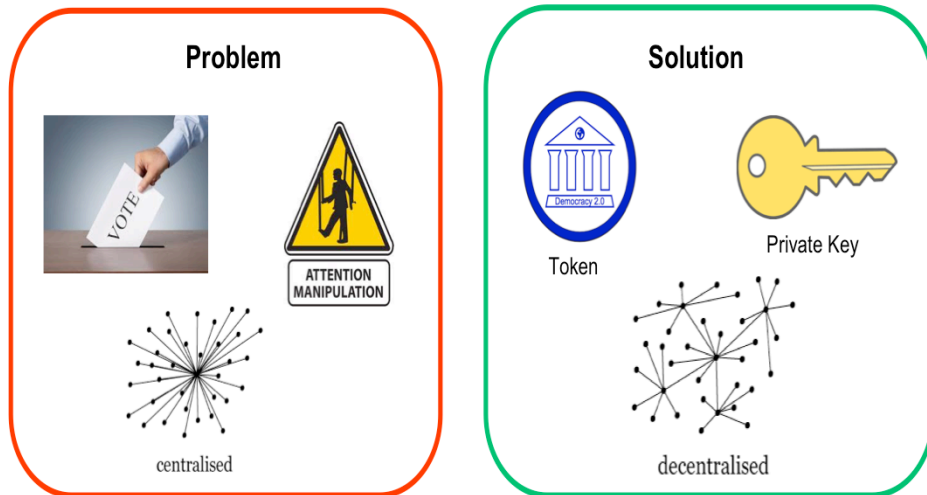


# Democracy 2.0

Decentralized Autonomous Organization

Open Challenge

## Our Idea



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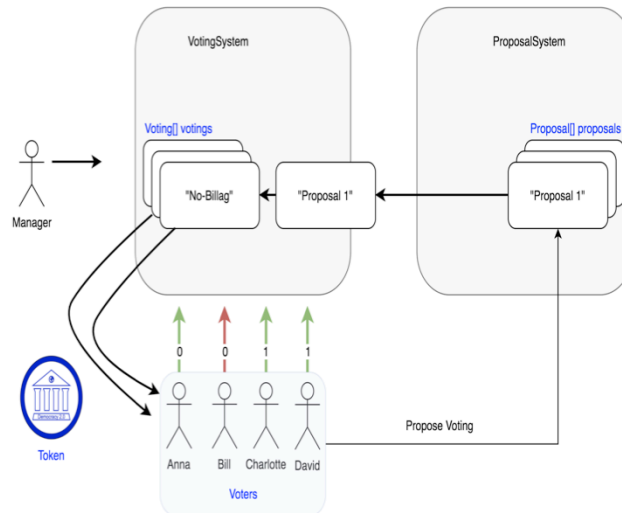
## Our Project Idea

What is the social/economic/environmental challenge we want to solve?

- Legacy voting system relies on trusted authority
- Possibility to entrust one's vote to others (Liquid Democracy)
- Simplify petition process

What is our approach to the solution?

- Create **verifiable, secret, integrated, resistant** voting system on (ethereum) blockchain (decentralized trust)
- Tokenization of voting rights
  - Forward permission to use one's voting token
- Automated creation of voting for successful petitions



### How voting work:

- Manager creates VotingSystem (container for arbitrary many votings), needs to fund it such that voters don't have to pay for voting themselves
- Manager creates vote and with it as many tokens as eligible voters
- Upon request eligible voters obtain exactly one token with which they can cast their vote
- Voting rights can be given to another trusted voter (liquid democracy)
- Voters can change their vote up until the deadline (for example if you don't agree with what your trusted party voted)

## How proposals work:

- Anybody can submit a proposal which he/she wants the voters to vote on
- People can express their support for a proposal
- After enough people support a proposal it can be put to a vote (see above for how that works)

## Conclusion

### Potential Problems



Vote Token Market



Private Key  
Storage



Internet Access

### Outlook



Incentivise  
people  
to vote



Incentivise elected  
to hold their promise

## Outputs & Community

- DAO Democracy 2.0 Voting System
- NPM Module: `npm install --save eth-token-create`  
create, compile and deploy custom ERC20-Token with single function call

## Difficulties We Experienced

Where could we identify potential negative outcomes?

- Rise of vote market
- Need for internet access
- Secure storing of private key

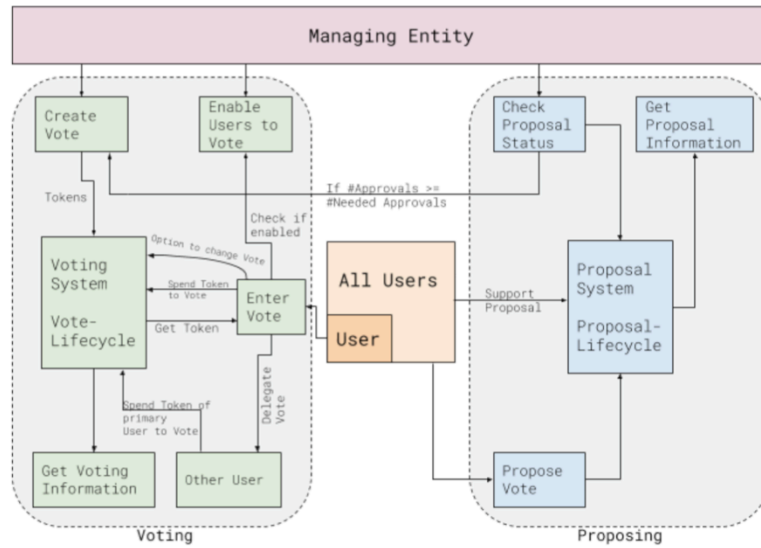
Which questions remain to be solved?

- Incentivize people to vote ->increase voter participation
  - vote token
- Incentivize voted (person) to hold promises
  - elected token



■ Thank you for your attention

## Design in a little more detail



## List of features

- Delegate votes to other people
- Incentivize people to vote by paying them (also to cover their gas)
- Change your vote if you change your mind or disagree with what your delegate voted on your behalf
- Proposal System that allows people to put their issues to a vote
- Provided we know the number of eligible voters voting fraud can be detected