

OPEN SOURCE & GROWING ETHEREUM

*SEATTLE ETHEREUM MEETUP
MAY 28TH, 2019*





BORIS MANN

- 15 years ago, worked on building out the Drupal community, built the first commercial company around Drupal, helped form Drupal Association
- Last year, focused on Ethereum community, helping out with the Ethereum Magicians
- FISSION - build developer tools using decentralized web tech



WHAT DOES OPEN SOURCE MEAN?

The problem with the term open source is that everyone means something different when they use it.

Some people just mean licensing.

Some people think of a particular community's set of practices.

Others think that it means some kind of fuzzy democracy and mob rule.



DEFINITION OF OPEN SOURCE

1. Legal innovation of licenses
2. Way of working together on shared code, collaboratively, asynchronously, remotely
3. Ideology

COMMONS BASED PEER PRODUCTION

**Lots of people work on it,
everybody benefits from it, and
then people can build upon it
(even in a revenue generating
fashion**

[Ted Leung: Explaining Commons Based Peer Production, er, Open Source \(2005\)](#)



LICENSING INNOVATION

- For the first time in 15 years, we're starting to see licensing innovation again
- Cloud providers vs. VC-funded open source
- Or: "Tragedy of the Commons" is still a thing
- Further reading: <https://writing.kemitchell.com/>



DATA ETHICS

- We are starting to see people care about data — specifically, THEIR data
- What requires software developers or companies to act in certain ways with data?
- From principles (Fair Data Society, Local First Software) to licenses (Cryptographic Autonomy License)

CONTRIBUTING TO ETHEREUM

**LET'S KILL THE PHRASE
"NON TECHNICAL"**



NON CODE CONTRIBUTIONS

- Commons Based Peer Production is a way of working together that is BIGGER than code
- GitHub (GitLab!) are still the main center point of many projects
- Use Issues and Projects to drive responsibility, asynchronous action
- All code projects need non-code help!

WHAT IS ETHEREUM?

- **Ethereum Foundation:** Swiss foundation, holds trademark, employs some teams, runs DevCon
- **Ethereum main-net:** aka network ID #1, ticker symbol ETH
- **Ethereum Stack:** a set of standards that define protocols, from EVM to devp2p to JSON-RPC
- **Ethereum community:** everyone!



ETHEREUM GOVERNANCE

- **Open Source Collaboration:** client implementations
- **Protocol Standards:** the Ethereum Improvement Proposal (EIP) process
- **Core Devs Coordination:** ACD accepting which standards they agree with / plan to implement
- **Network Governance:** issues the community considers "contentious"
- **Nodes Running Client Software:** ultimate blockchain principle

ETH1X ROADMAP

- **Nov 2018, Prague:** state is growing, other improvements needed, ETH1 is going to be around for a while
- **Jan 2019, Stanford:** first scheduled meeting to discuss improvements
- **April 2019, Berlin:** formation of Working Groups, Alexey Akhunov negotiates with EF on funding



ISTANBUL 2019 TIMING

- <https://en.ethereum.wiki/roadmap/istanbul>
- May 17th - Long list of EIPs Proposed — need to be accepted/implemented/tested
- July 19th - Soft Deadline for major client implementations
- Aug 14th - Testnet Upgrades
- Oct 8th - 11th DevCon Osaka
- Oct 16th Istanbul hard fork



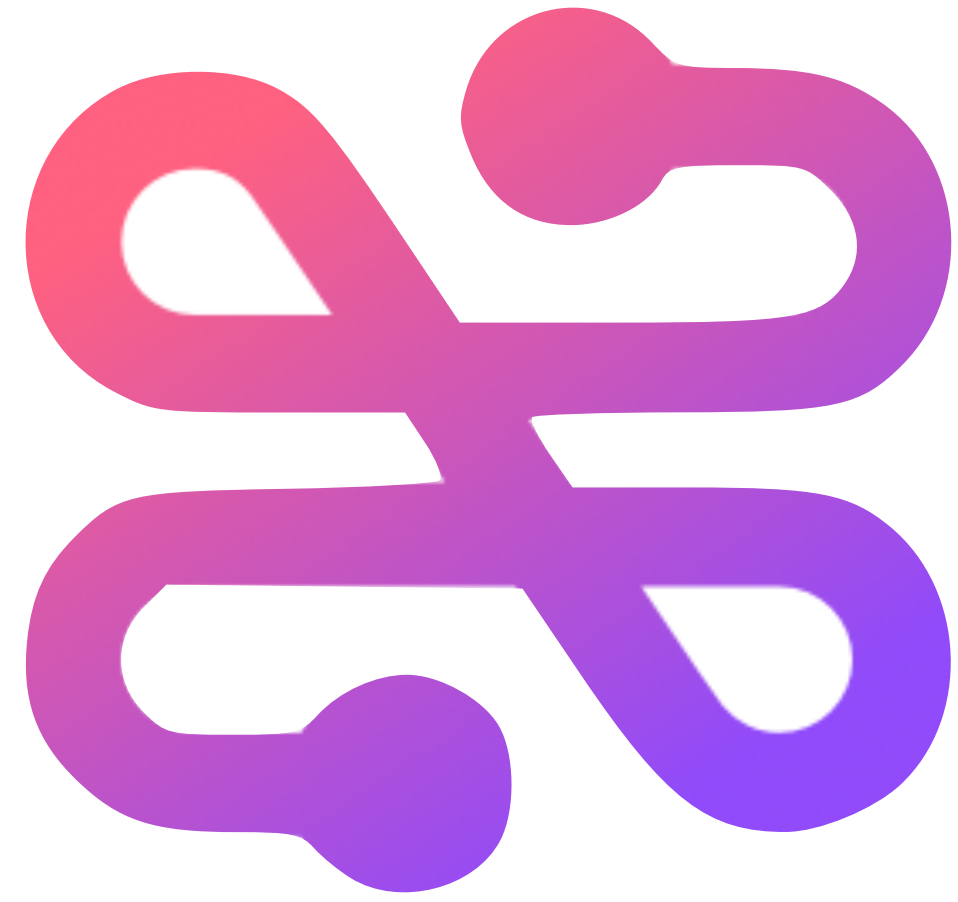
CHEESY HARDFORKS

- Rough consensus on switch to 6 month hard forks
 - "Asiago", April 2020
 - "Brie", October 2020
 - Etc.



WAYS TO GET INVOLVED

- Ethereum Magicians <https://ethereum-magicians.org>
- EthHub <https://community.ethhub.io>
- ETH Cat Herders <https://github.com/ethereum-cat-herders/PM>
- Of course code! Geth (Go), Parity (Rust), Trinity (Python), Aleth (C++) etc etc



fission

FISSION.CODES

QUESTIONS!

@BMANN