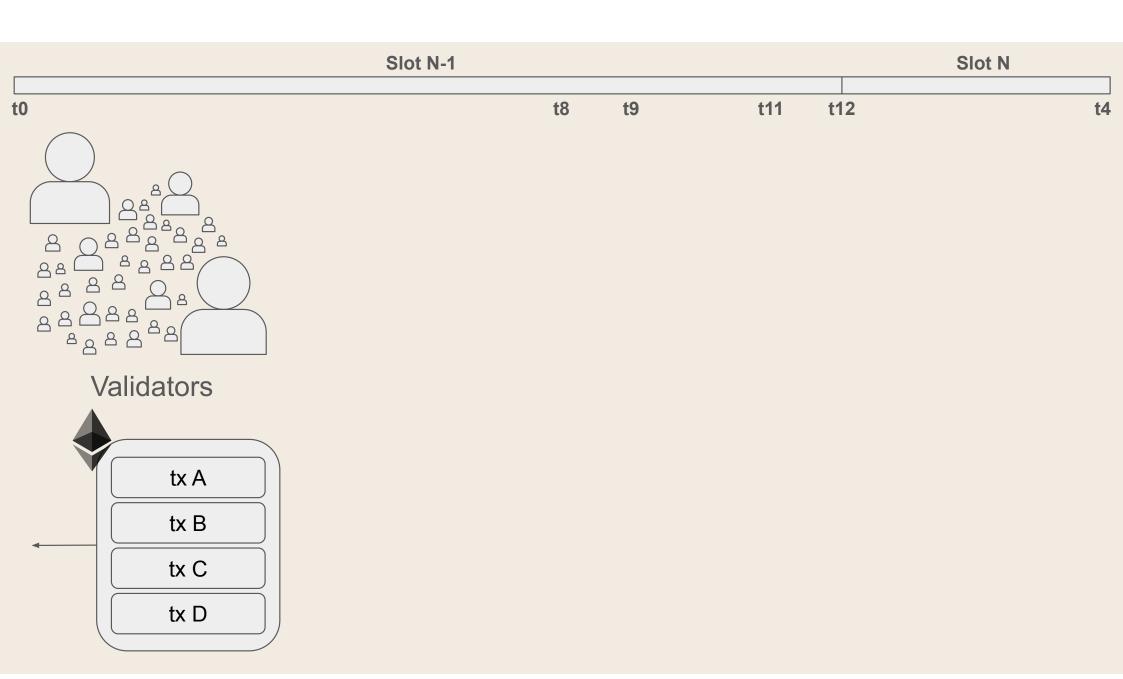
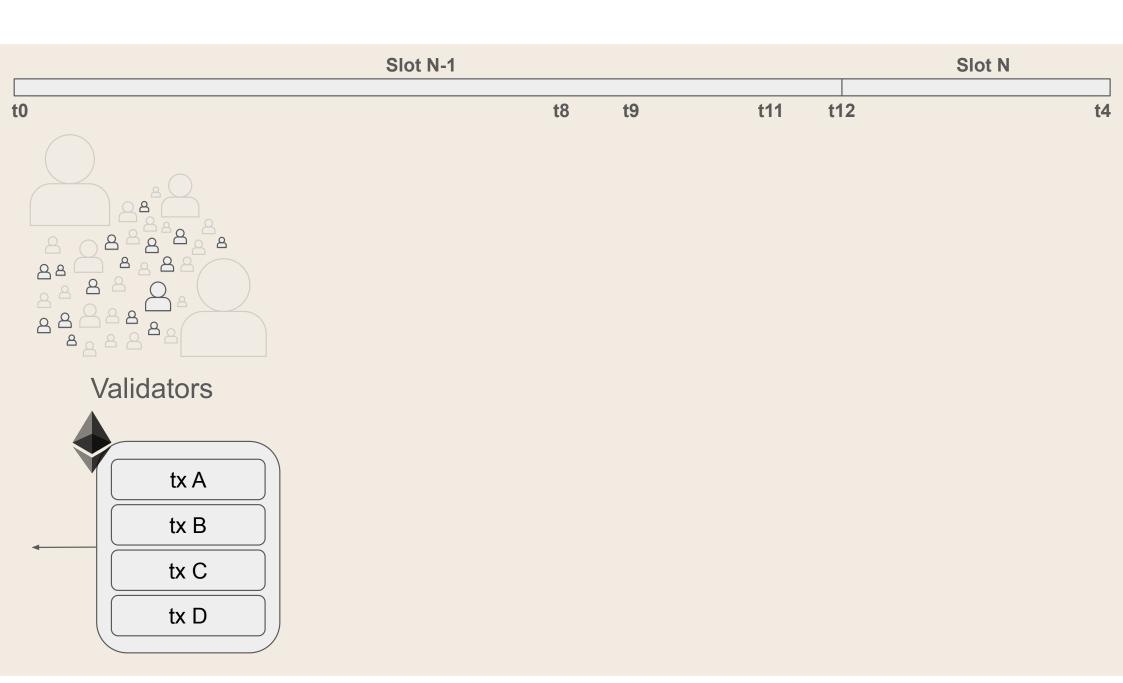
FOCIL Implementation Status

Jihoon Song
@jih2nn

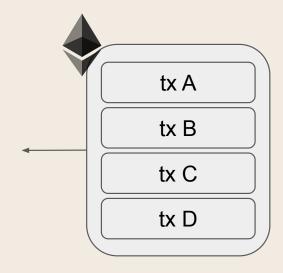


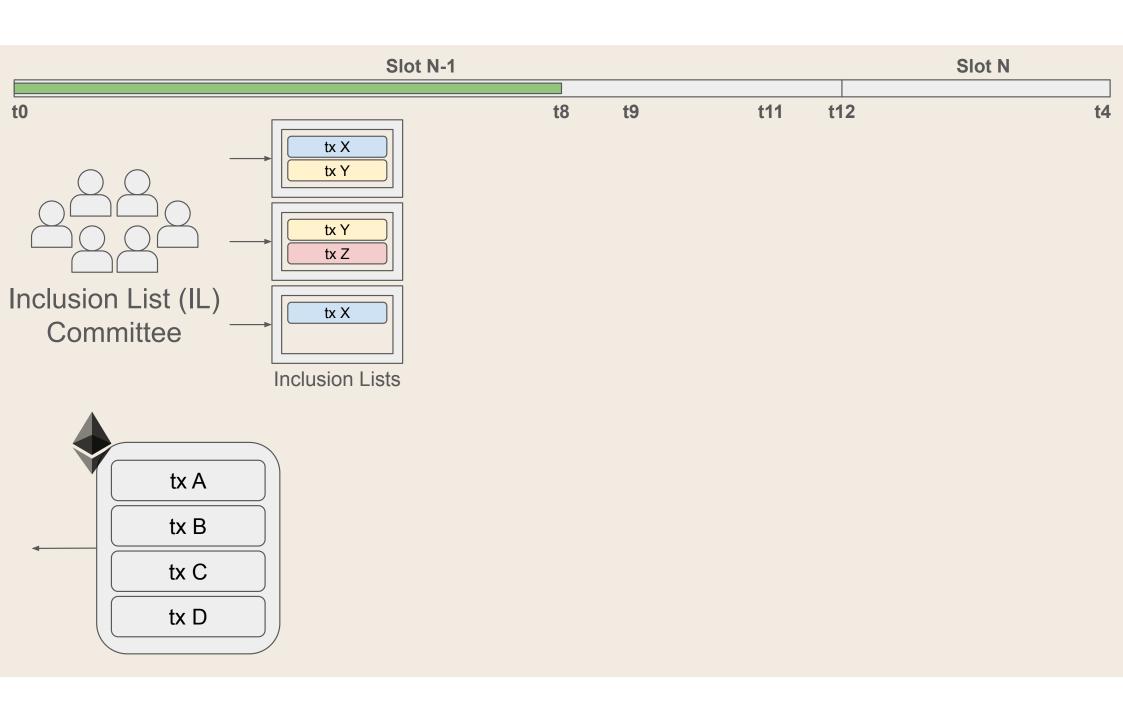


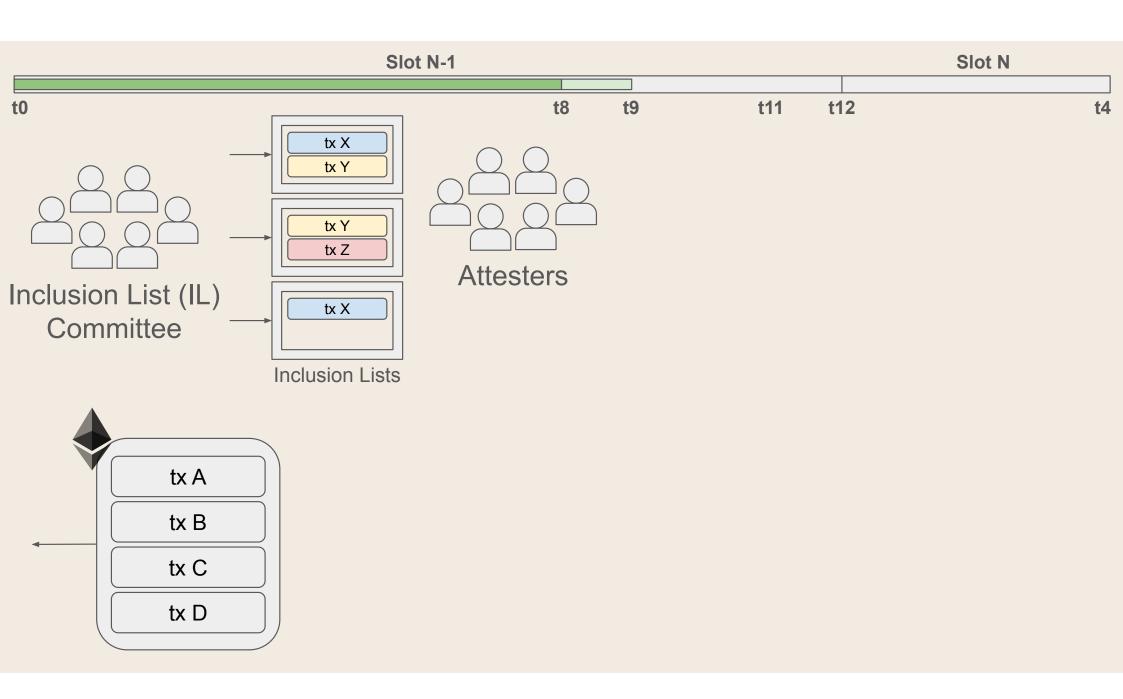


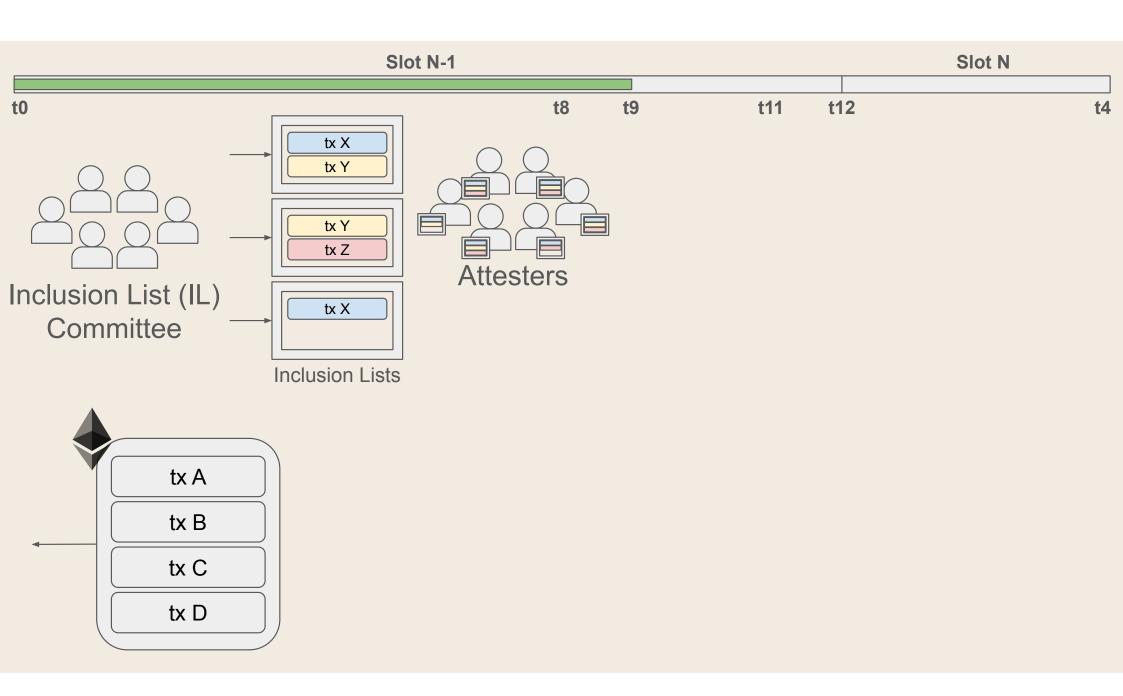


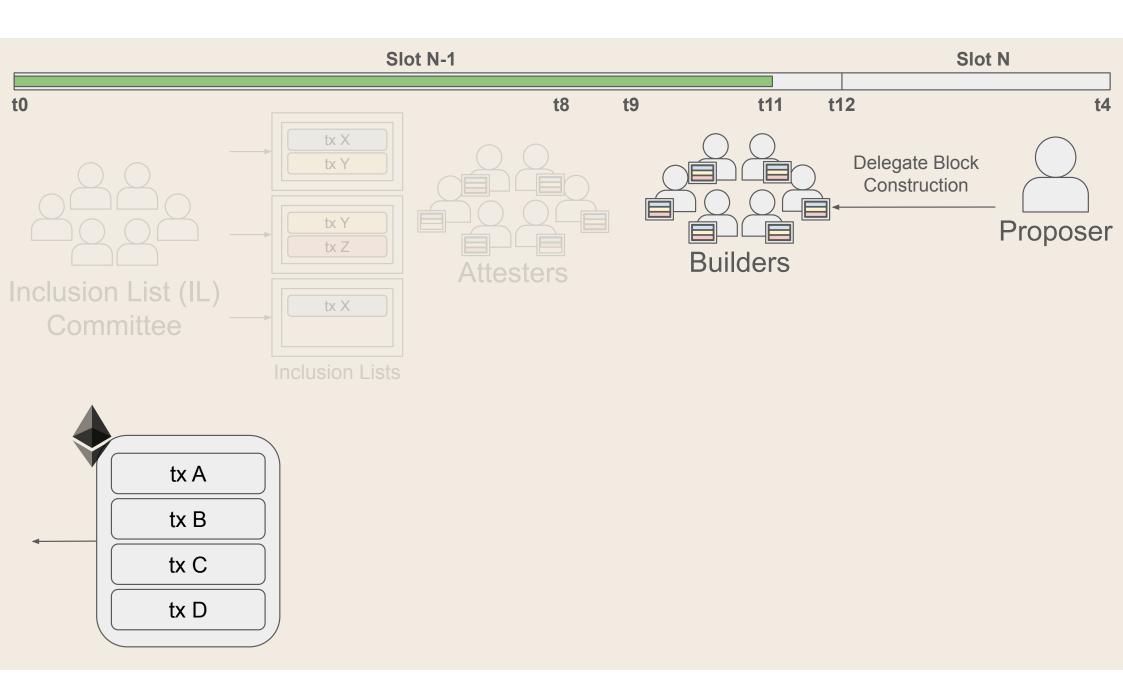
Inclusion List (IL)
Committee

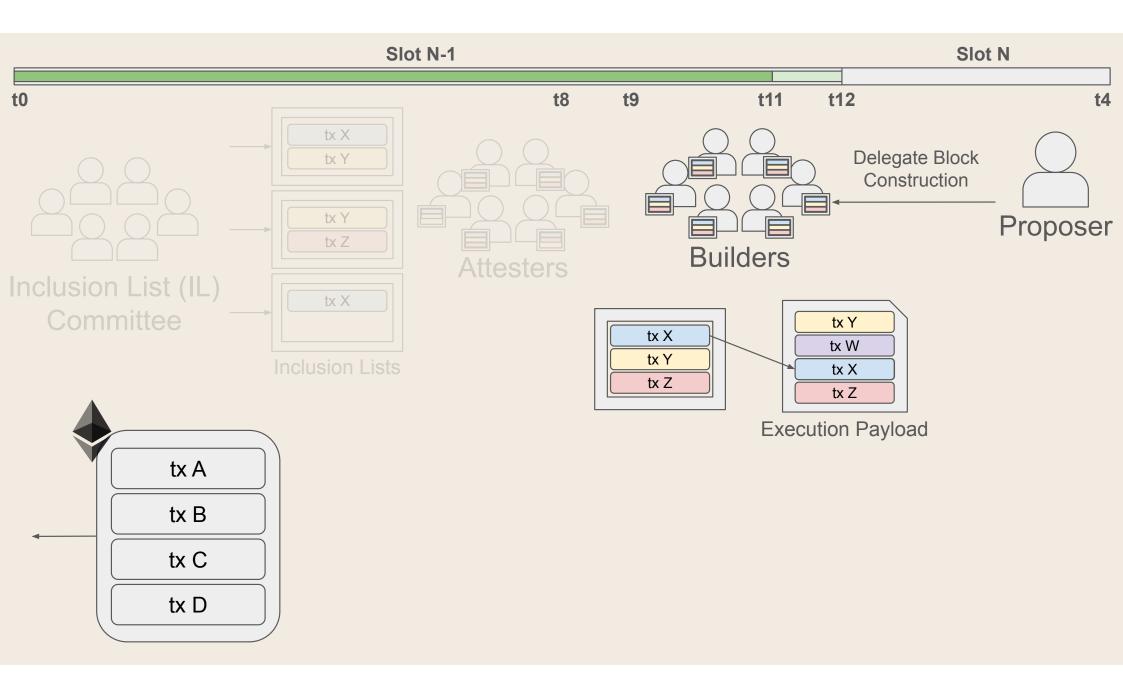


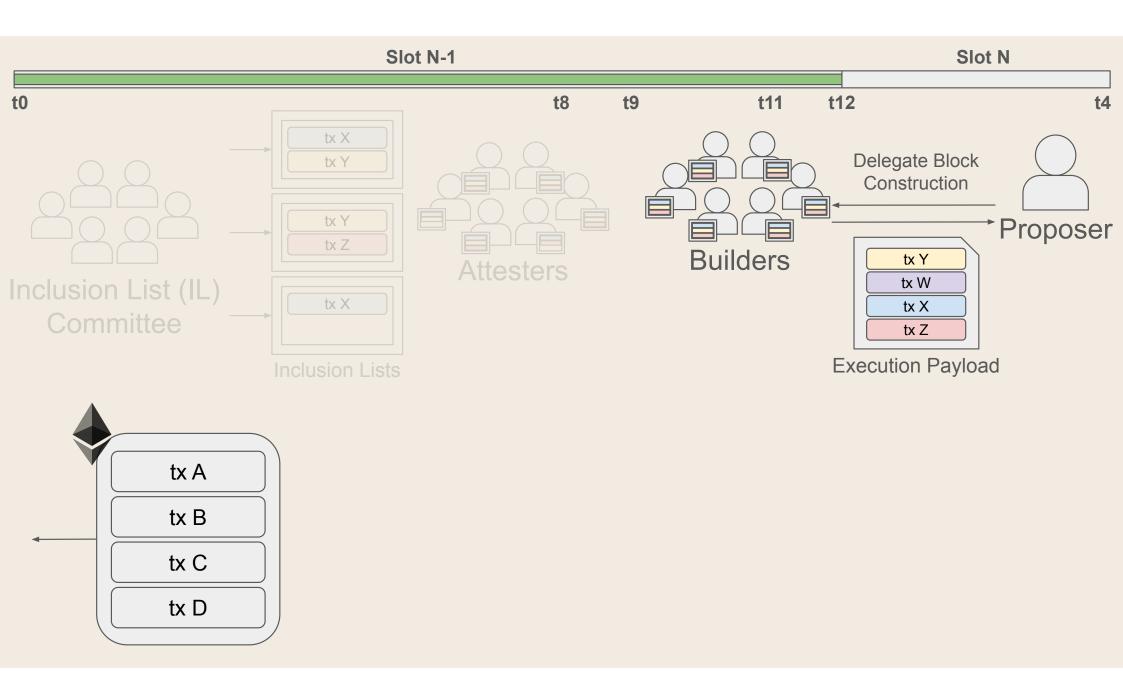


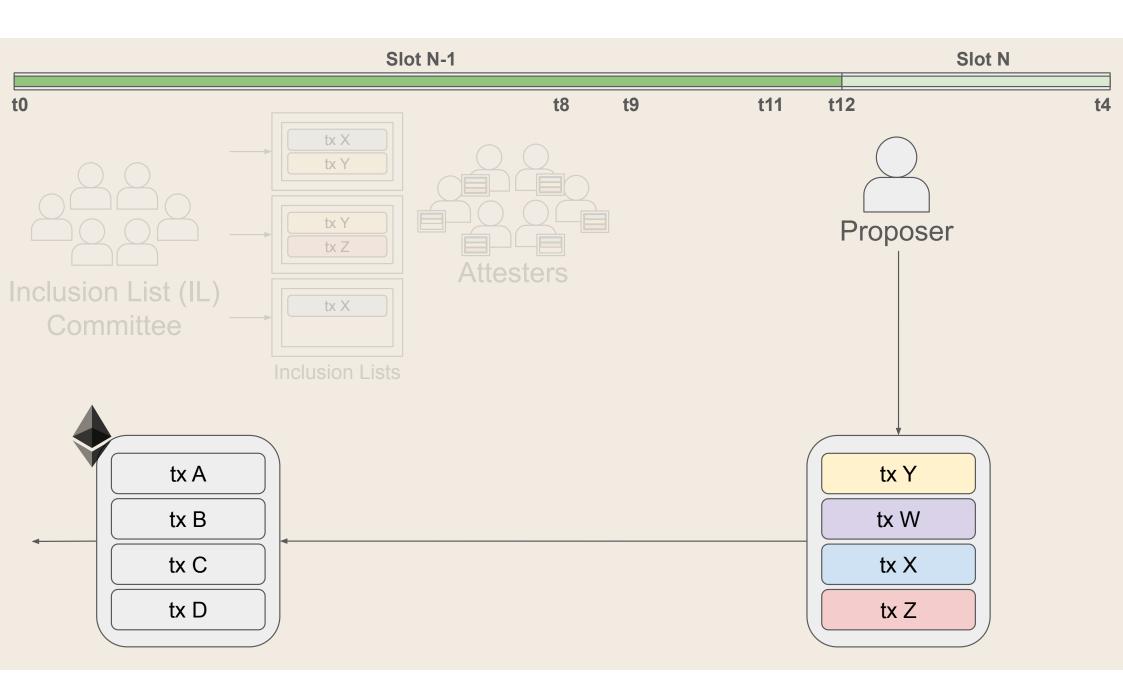


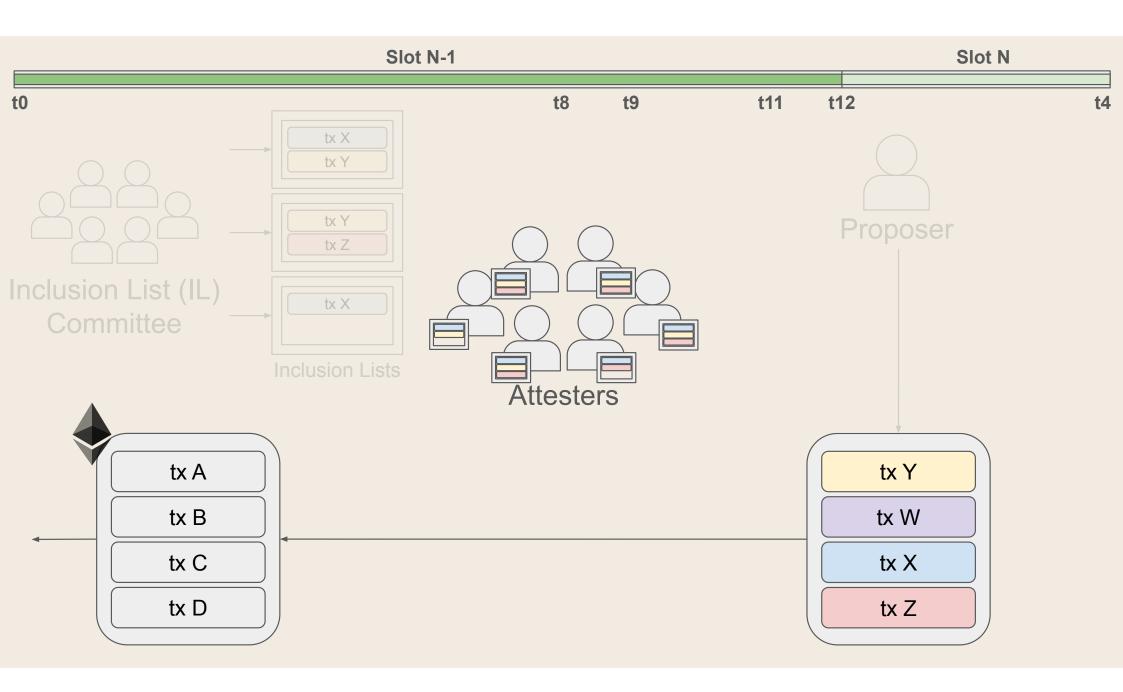


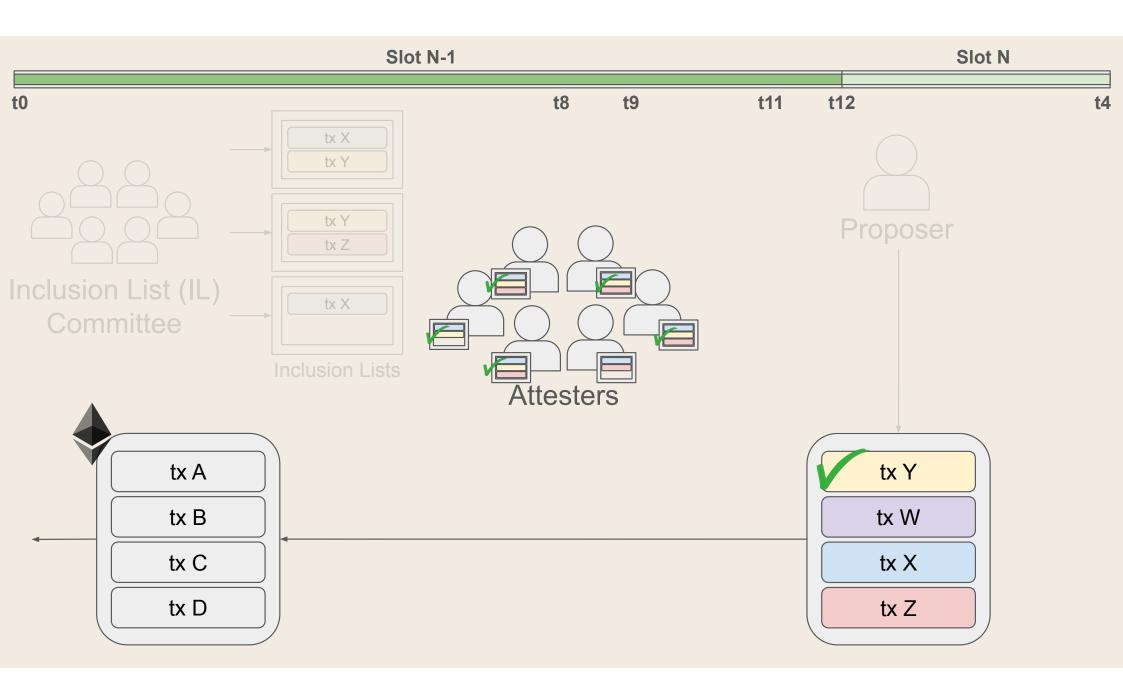


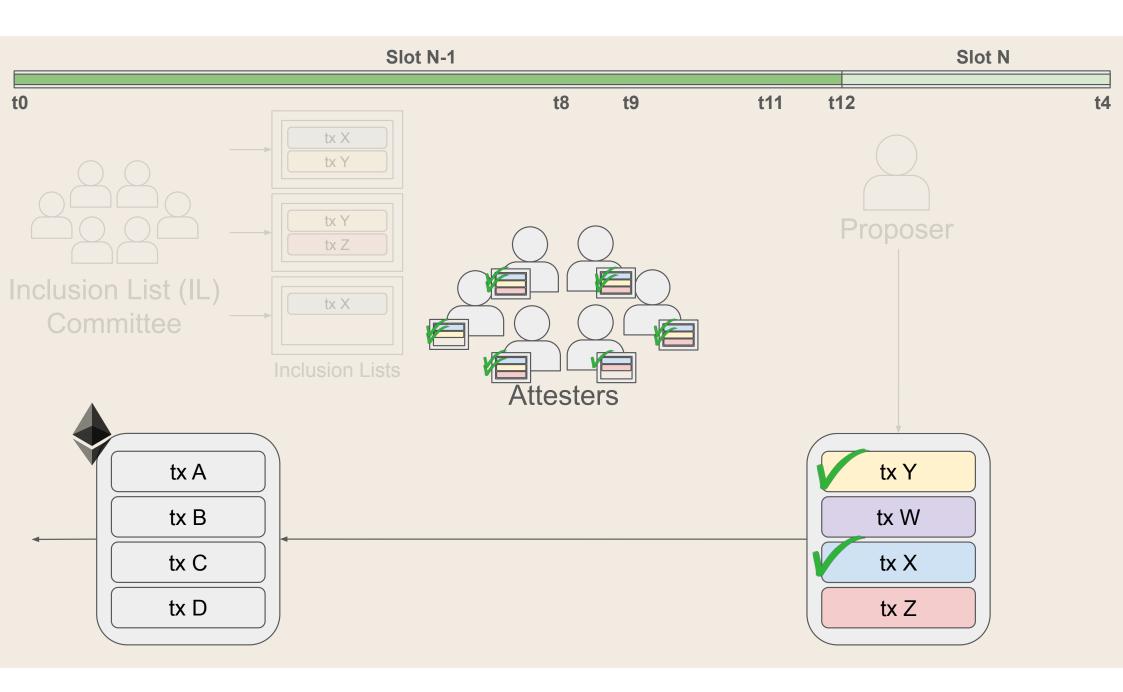


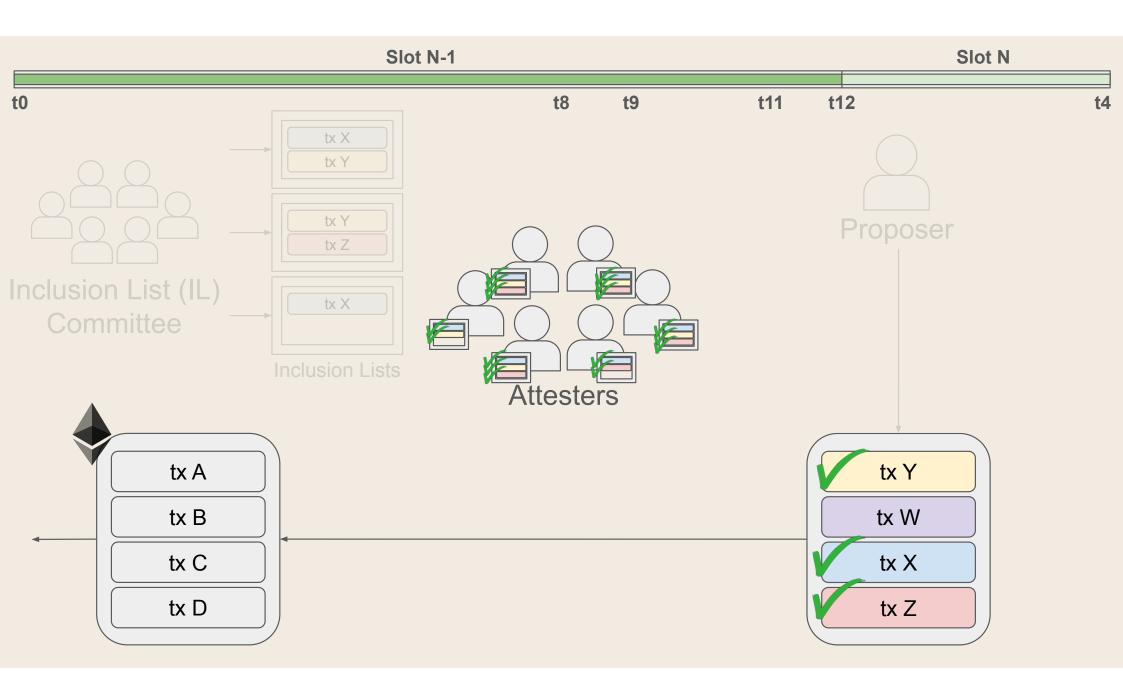


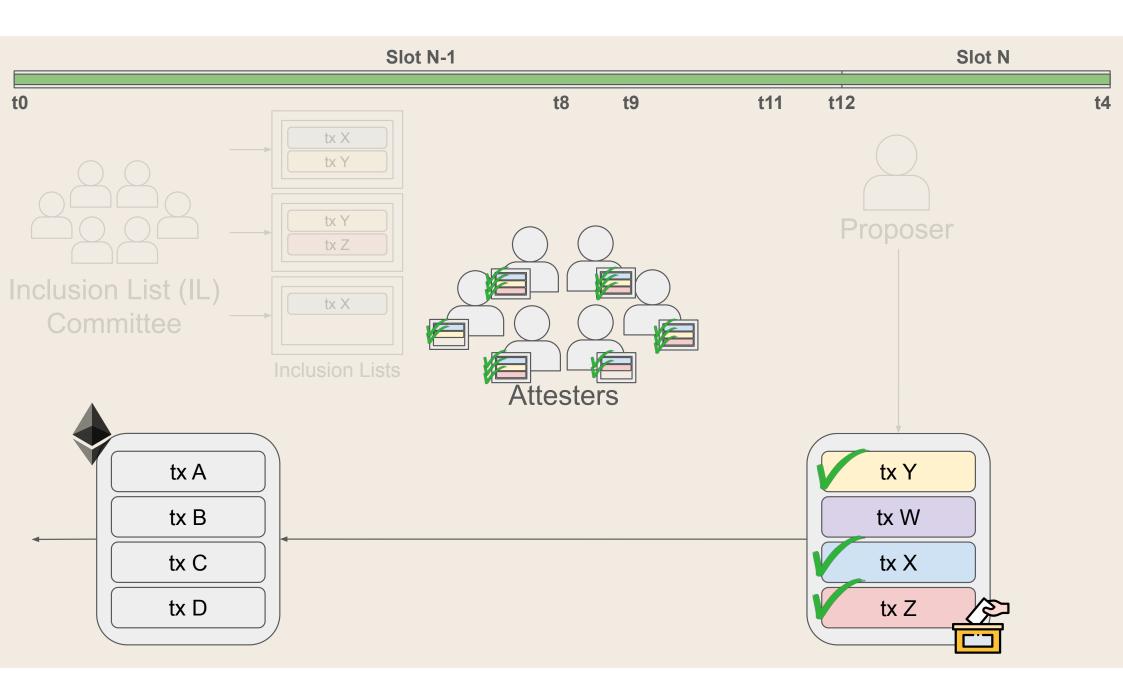


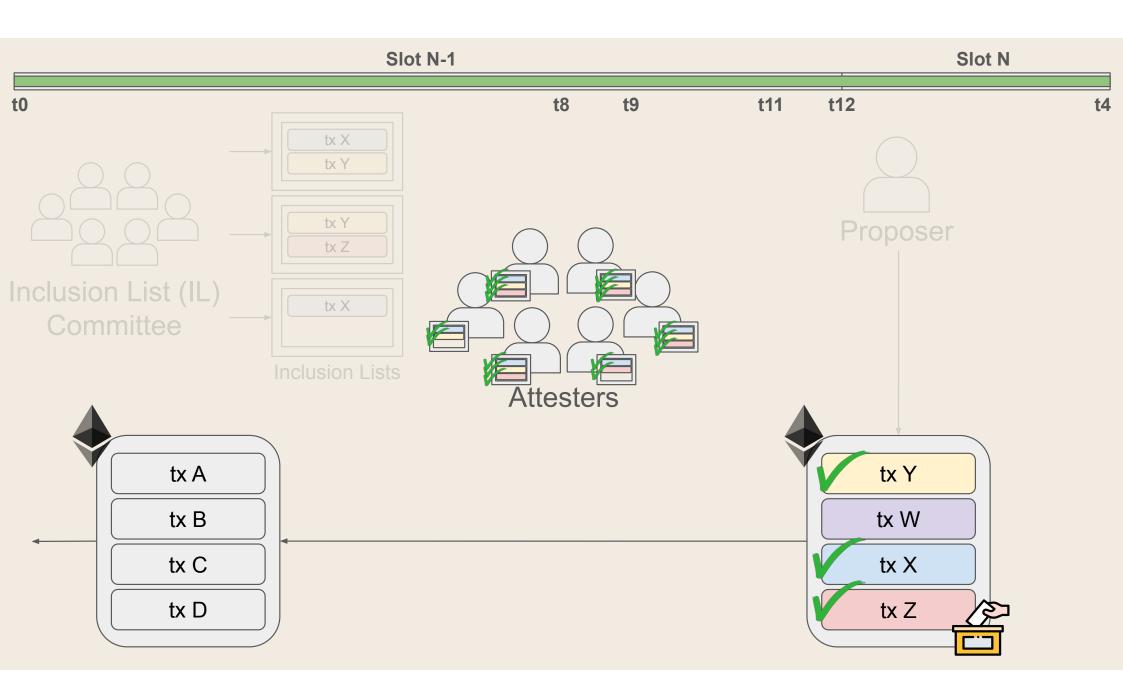












Client Implementations



Ethereum Protocol Fellowship Cohort 6

Erigon: FOCIL & Alternatives

By Mark Holt

<u>EIP-7805</u> FOCIL implements a robust mechanism to preserve Ethereum's censorship resistance properties by guaranteeing timely transaction inclusion. We are starting to implement this for both Erigon's CL and EL components and would like to catch up with other <u>client's progress</u> so we can become an active participant in the public devnet process once it commences.

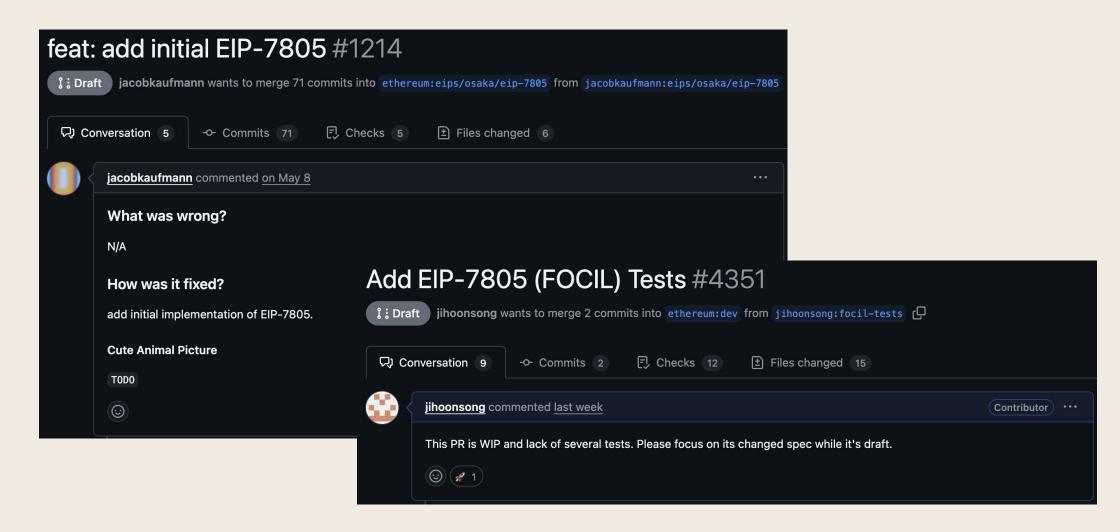
We are also interested in exploring alternatives for censorship resistance such as <u>BRIAD</u> so we envision this project as a combination of background research and implementation.

Grandine: FOCIL (EIP-7805) Implementation and Testnet Deployment

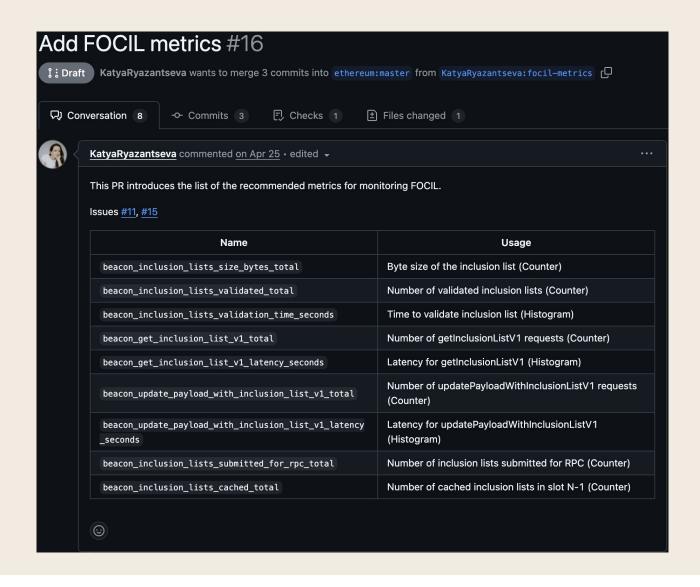
By Saulius Grigaitis

EIP-7805 introduces FOCIL, a promising feature for Ethereum consensus clients. While a few teams already have early implementations, testnets are expected to launch soon. Grandine intends to develop a robust FOCIL implementation to ensure compatibility and actively participate in testnet experimentation. This work will help validate and refine the proposal through testnet deployment.

Specification Tests



Metrics



Compatibility with Other EIPs

- <u>EIP-7702</u>
- Delayed Execution (EIP-7886)
- Block-Level Access Lists (EIP-7928)
- ePBS (EIP-7732)

"FOCIL aims to uphold Ethereum's censorship resistance by inviting a more diverse set of participants to contribute to block content."



FOCIL for Glamsterdam



FOCIL Website

Jihoon Song @jih2nn