Breakout - lean Ethereum

R&D Session at Forschungsingenieurtagung, Berlin - **Tue, Jun 10th, 1-2pm**

Duration: 1 hr

Moderator: Vitalik & Justin
Note taker: Ladislaus

> [slides & notes](https://docs.google.com/document/d/1GYrv43uD030ZipLoFmTRnLoz0-EkRpA-3q9mDChHKO8/edit?usp=sharing) (https://docs.google.com/document/d/1GYrv43uD030ZipLoFmTRnLoz0-EkRpA-3q9mDChHKO8/edit?usp=sharing)

Agenda

[20 mins] simplifying the L1
[20 mins] lean consensus
[remaining time] feedback and discussion

Summary

Pursuing the endgame of scalability and decentralisation, we have identified **simplicity** and optimality as two potential guiding principles not just for the next iteration of the consensus layer, but also for the execution & data layer.

To introduce *lean Ethereum* as a foundational idea and strong meme built upon these guiding principles, we intend to leverage this breakout session to present our reasoning for how and why L1 simplification provides a unique opportunity to refactor Ethereum's three sub-layers around post-quantum security and snarkification.

Goals

Gathering feedback and buy-in from the core contributer community on *lean Ethereum* as a mission and its underlying principles going forward.

Recommended pre-reads/listen

- Introduction of *lean Ethereum* during Protocol Research Call #2 (https://www.youtube.com/live/EvYRiFRYQ9Q?feature=shared&t=5407)
- Simplifying the L1 (https://vitalik.eth.limo/general/2025/05/03/simplel1.html)