

# FOCIL Berlin Interop Intro

EIP-7805, FOrk-Choice enforced Inclusion Lists

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# Agenda

[5 mins] FOCIL session intro by *Thomas*

[10 mins] FOCIL implementation status (interop, testing, etc...) by *Jihoon*

[10 mins] FOCIL synergies with other EIPs by *Francesco*

[5 mins] Q and A

[10 mins] FOCIL and statelessness by *Carlos*

[10 mins] zkFOCIL by *Benedikt*

[10 mins] FOCIL and the future of nodes by *Barnabé*

**Status:** FOCIL proposed as a headliner for Glamsterdam

**What is clear:**

- Design is solid and robust
- General consensus on FOCIL being very important for the protocol
- Progress on the implementation side of things

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**Status:** FOCIL proposed as a headliner for Glamsterdam

**What is clear:**

- Design is solid and robust,
- General consensus on FOCIL being very important for the protocol
- Progress on the implementation side of things

**What we need to work on:**

**Short term**

- Testing on EL and CL
- FOCIL <> Scaling / UX
- FOCIL <> Urgency

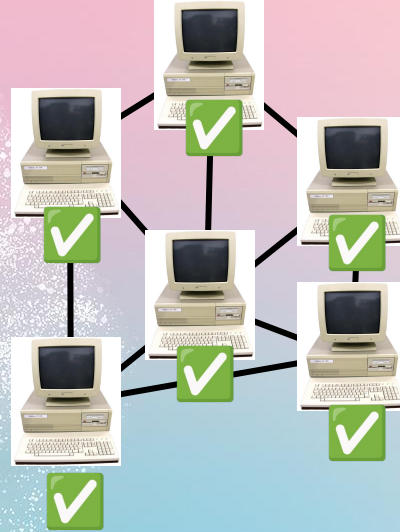
**Medium term**

- What is the endgame of CR on Ethereum (CR for blobs, zkFOCIL, FOCIL <> Statelessness, Light/Heavy FOCIL)

# FOCIL <> Scaling



Builders

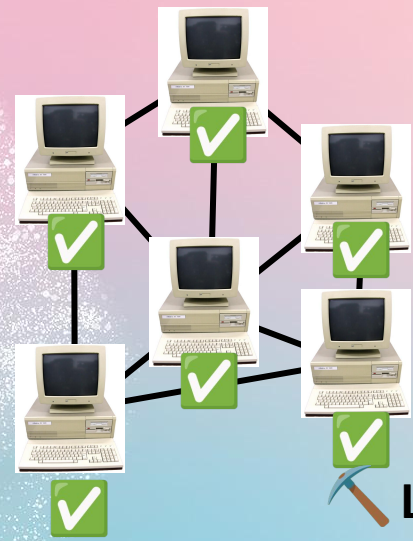
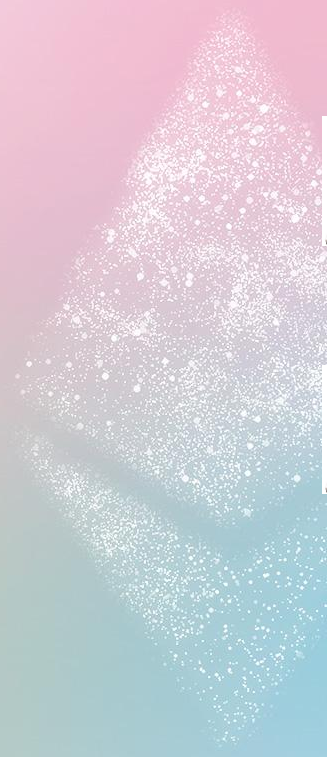


Validators

# FOCIL <> Scaling



**Builders**



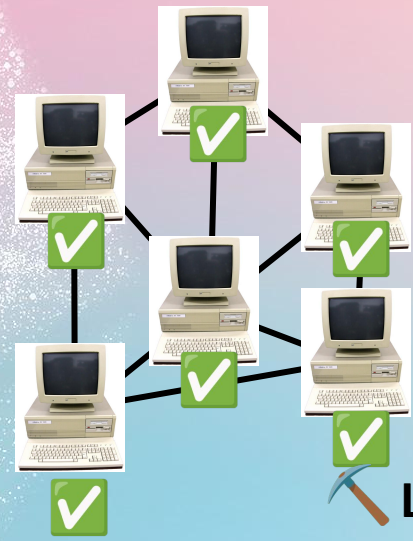
**Validators**




**Local builders**



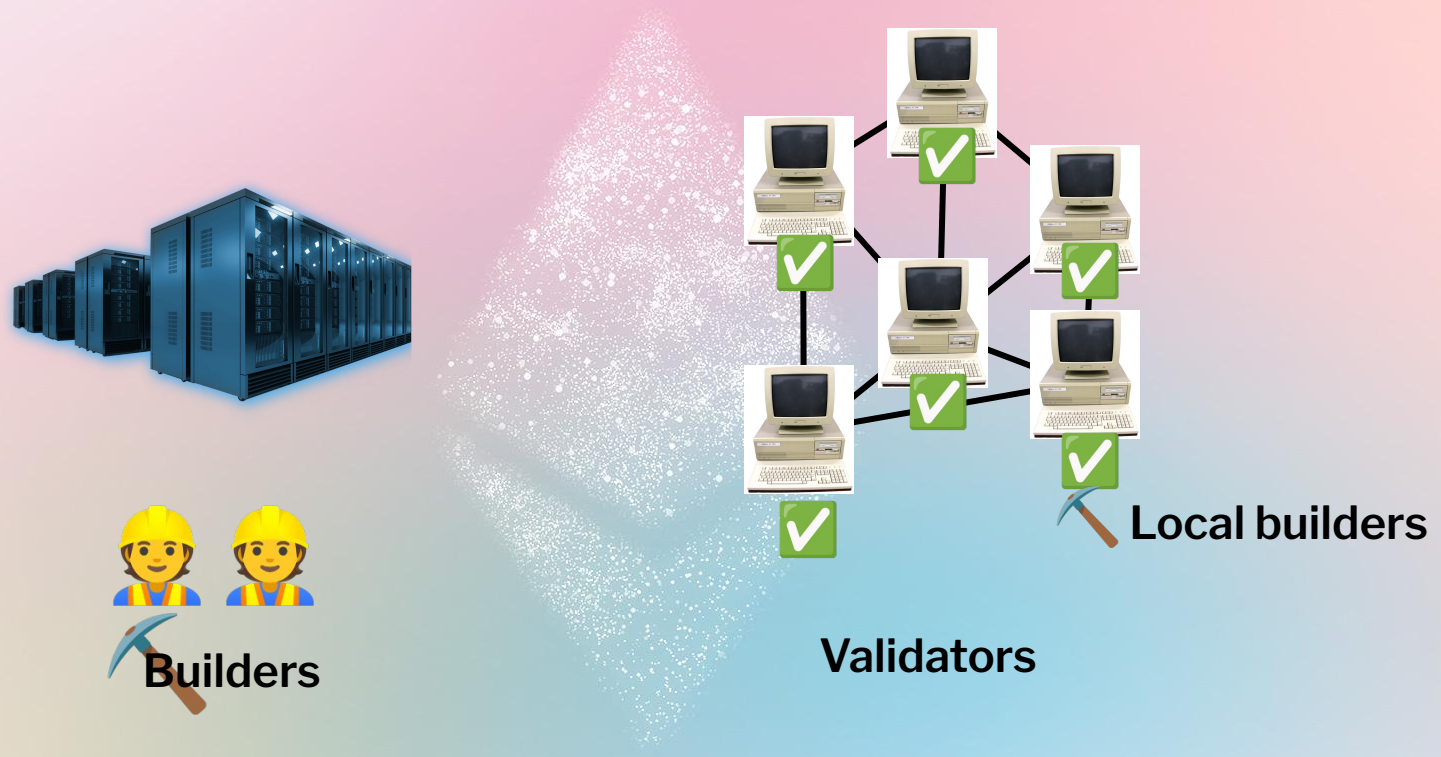
# 📢 SCALE THE L1 📢



**Validators**

 **Local builders**

# 📢 SCALE THE L1 📢



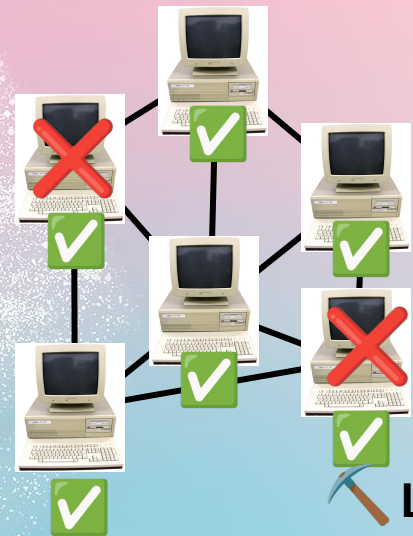
*Option 1: Optimize (p2p, slot structure...)*




# SCALE THE L1



**Builders**

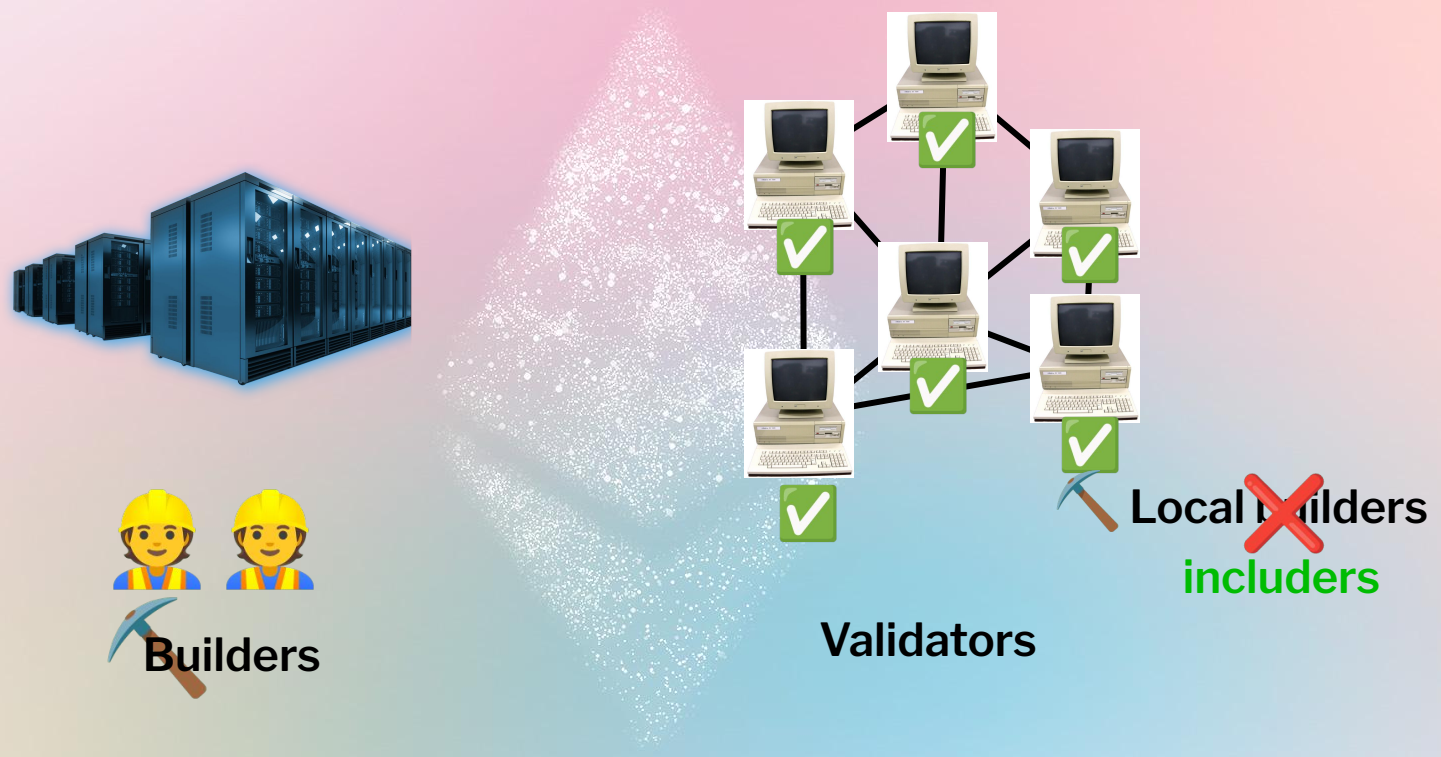


**Validators**

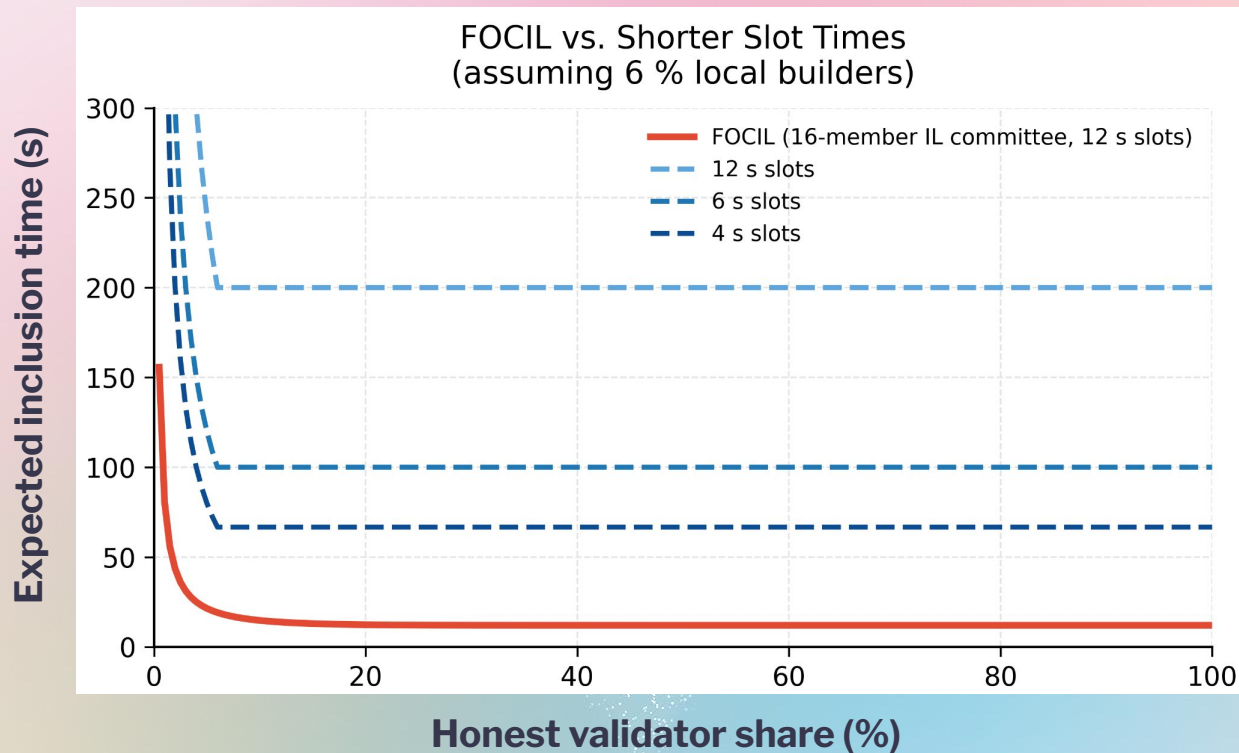
 **Local builders**

*Option 2: Increase hardware requirements*

# SCALE THE L1






*FOCIL: Clean separation between attesters and includers*



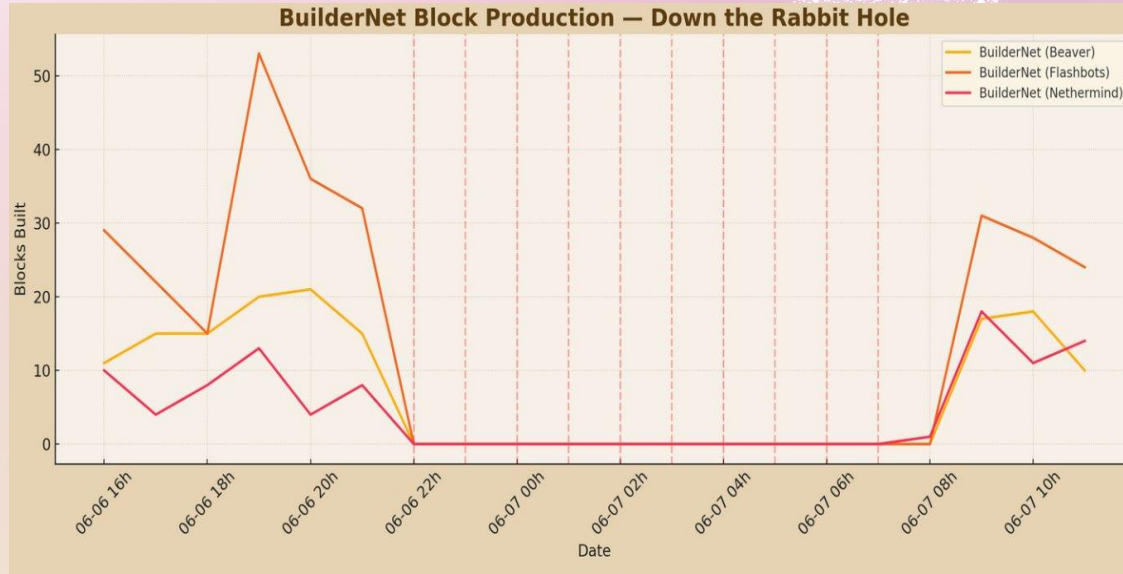
➡ More Metrics (e.g., expected inclusion time)

## Why now:

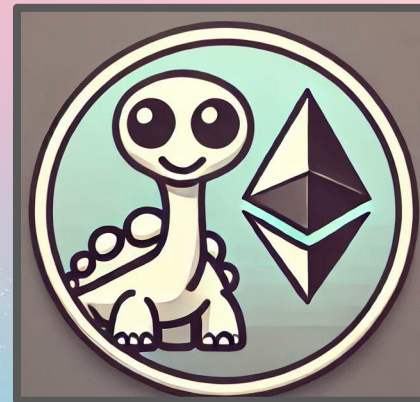
- Take advantage of the censorship truce  
- Set the bar for guarantees of credible neutrality 
- Mitigate further centralization and vertical integration risks



## Mitigate further centralization and vertical integration risks



Thank you!



<https://meetfocil.eth.limo/>