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IgoProtect

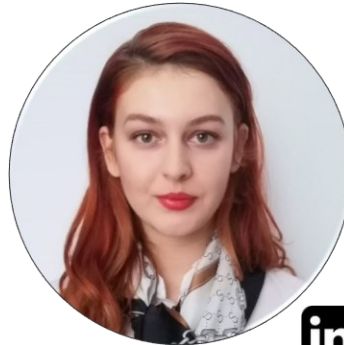
Decentralized Peer-to-Peer Consensus Delegation Platform

by



Uroš Hudomalj

Smart contracts and UI
PhD student at ETH Zürich



Teodora Mitrevska

Product management
PhD student at LMU München



Alexander Marinšek

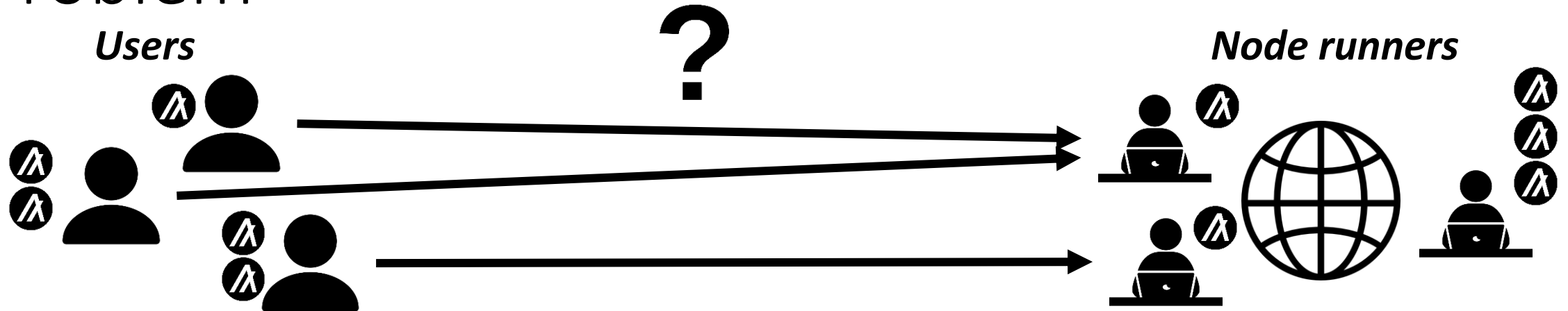
Backend
PhD student at KU Leuven

Problem

- Blockchains need nodes to run and secure the network
- The more nodes, the more robust and decentralized the network
- The more tokens participate on these nodes, the higher the security
- Barriers for participation:
 - Technical knowledge
 - Time
 - Costs



Problem

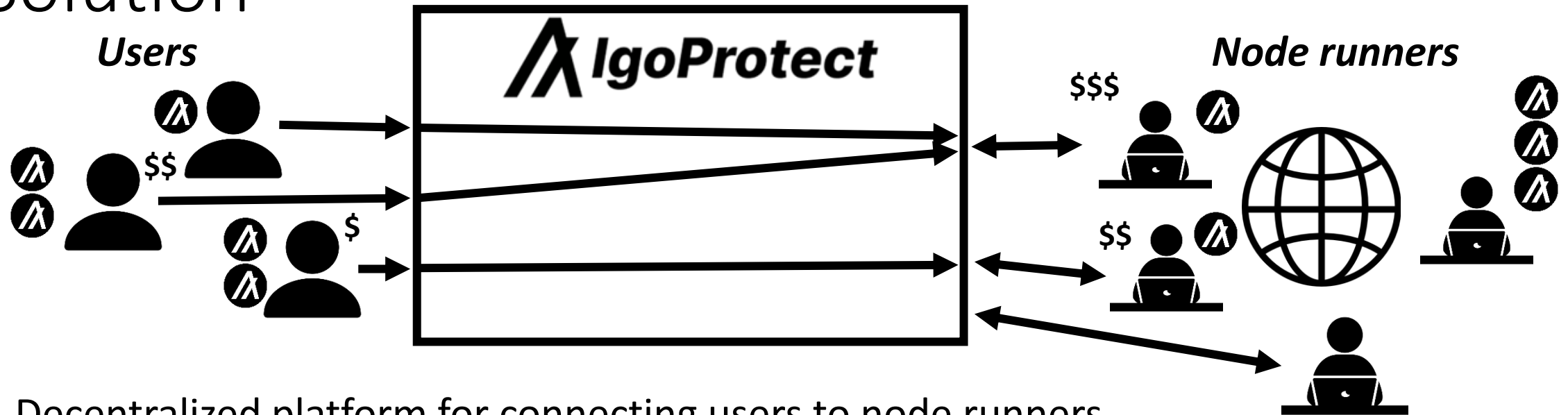


- Users are seeking ways to delegate their security budgets to existing node runners

The collage consists of several social media posts and a Reddit post:


- Twitter post by @DerovaAlgo (Nov 1, 2023):** "I'll join in on this volunteering. My node has spare capacity to host participation keys if anyone wants to delegate. @GovernorHat awesome article as always."
- Twitter post by @makman88 (Nov 1, 2023):** "I'll follow @GovernorHat's lead and volunteer to host anyone looking for a participation node - I have room for 3 more. If interested, DM me. x.com/GovernorHat/st..."
- Twitter post by @GovernorHat (Oct 31, 2023):** "As some know, I've been offering up excess capacity on my machines for others to delegate stake to so they can participate in @FolksFinance consensus rewards. Here's an explainer of how this P2P delegation works and why it is awesome."
- Twitter post by @makman88 (Oct 31, 2023):** "I'll follow @GovernorHat's lead and volunteer to host anyone looking for a participation node - I have room for 3 more. If interested, DM me."
- Reddit post by @algorand (Oct 31, 2023):** "Did you know that Algorand allows for P2P consensus delegation without giving up custody or compromising sensitive information?"
- Twitter post by @surfingdegen (Oct 31, 2023):** "Thanks for taking the time to do this write up. It's a cool feature that I think most people don't know. @austp17 thank you! I hope more tools will get built out over time. I have extra capacity if anyone is interested. Would be a no charge, no guarantee, trial run this period"
- Twitter post by @ReverseBones (Oct 31, 2023):** "I have publicly offered to have people delegate their stake to my node since I upgraded it, but I didn't get any takers with s... or... and..."
- Twitter post by @ShaperOfEntropy (Oct 21, 2024):** "Yes, I'm running my own nodes (local and cloud) and have others delegate to me. Currently fully occupied."
- Twitter post by @ReverseBones (Oct 21, 2024):** "So I gotta find someone who has openings. Cool cool :)"

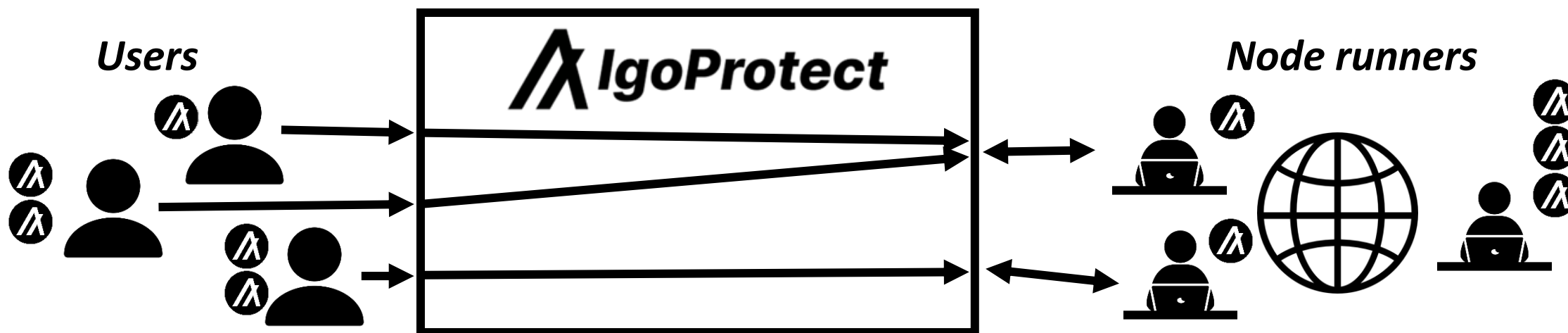
Solution



- Decentralized platform for connecting users to node runners
- Create a system with mutual benefits
- Support for becoming a node runner

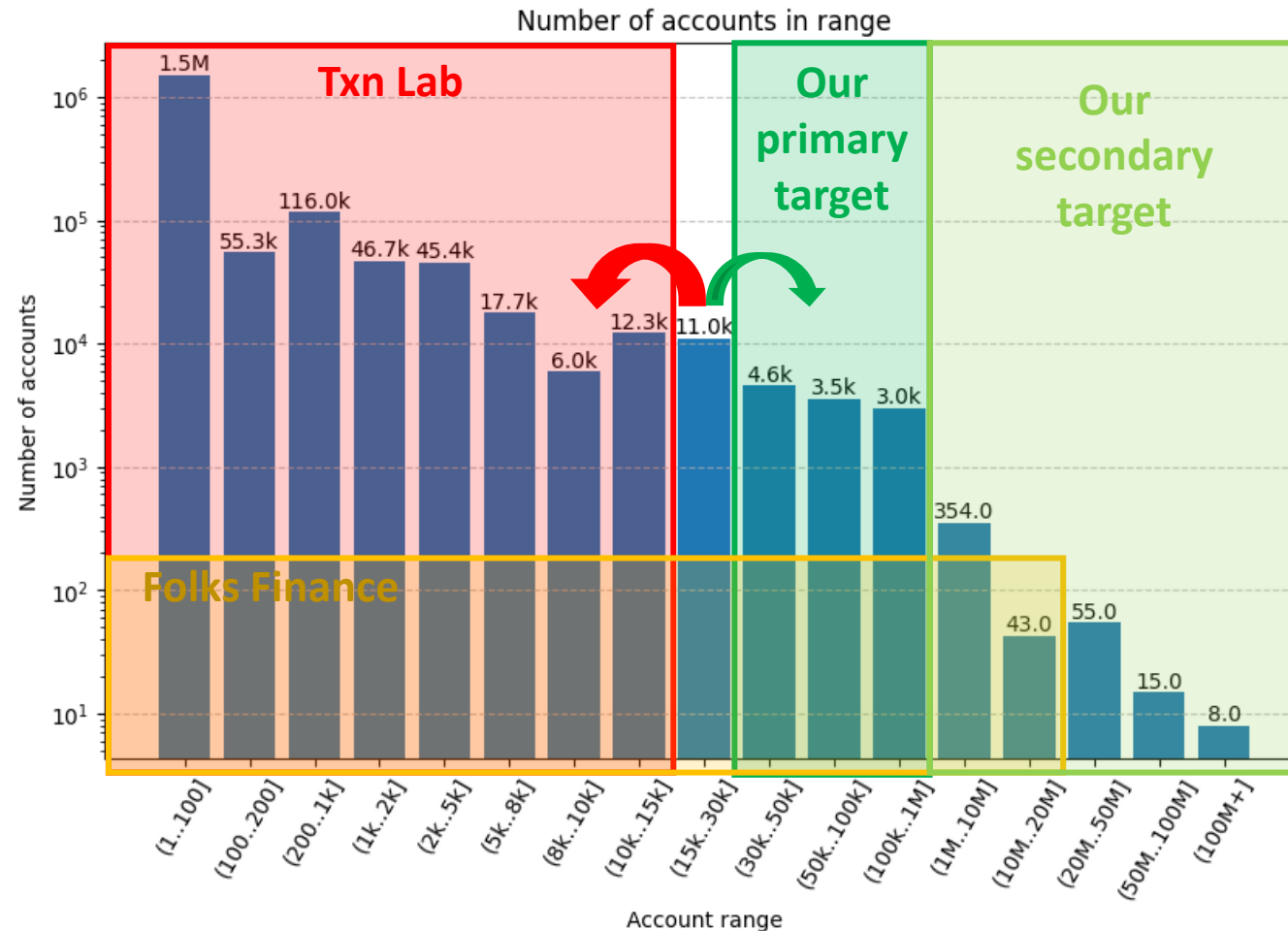
Competition

Who	Individuals	Folks Finance	Txn Lab	 IgoProtect
Type	Self-running	Liquid staking	Pooling	P2P delegation
Decentralization	Highest	Low	Medium	High
User risk	Lowest	Medium	Medium	Low
User effort	High	Low	Low	Low



Funds stay in your wallet! \Rightarrow Use of locked funds (MBR) and direct participation in xGov

Market Size



Target total stake:

Txn Lab: 10%

Folks Finance: 4%

Our primary: 15%

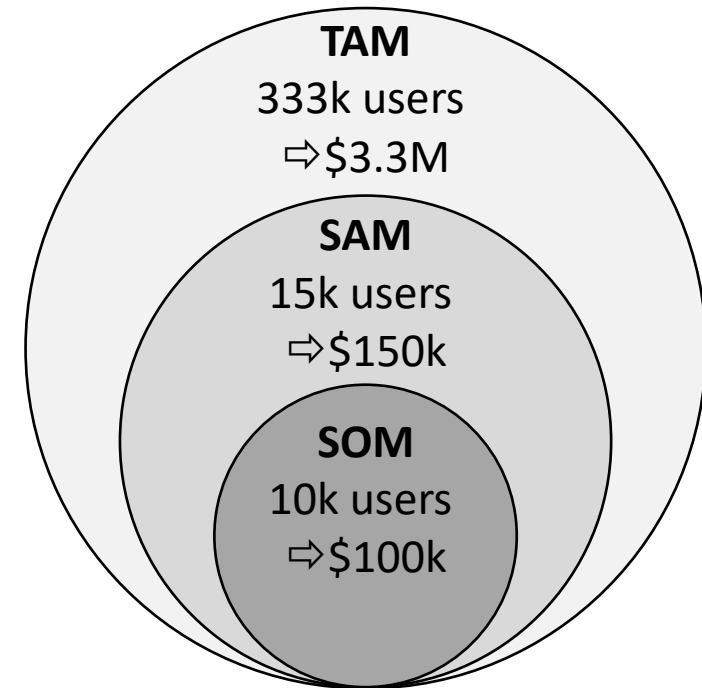
Our secondary: 76%

**Surge in demand for nodes expected due to upcoming incentives (2024 Q4) for accounts with +30k ALGO*

***Current number of nodes: Bitcoin = 15k – 45k, Ethereum = +7k, Cardano = 2.5k, Algorand = 1.5k*

Sustainable Business Model

- Percentage of node runners' fees: e.g. 10%
 - Assumed node costs [per year]: \$240
 - Assumed fee charged by node runners per user [per year]: \$72
 - Partial redistribution to node runners and users based on loyalty points for increased engagement
- Fees from offered node running services
- Protocol rewards from participation with platform's stake



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Roadmap

2024 Q2:

MVP

2024 Q3:

New features:

- Payment with ASAs
- Loyalty program
- Accountability

2024 Q4:

UI & UX improvements
Multi-node support
Launch on ALGO and VOI

2025 Q1:

Platform analytics



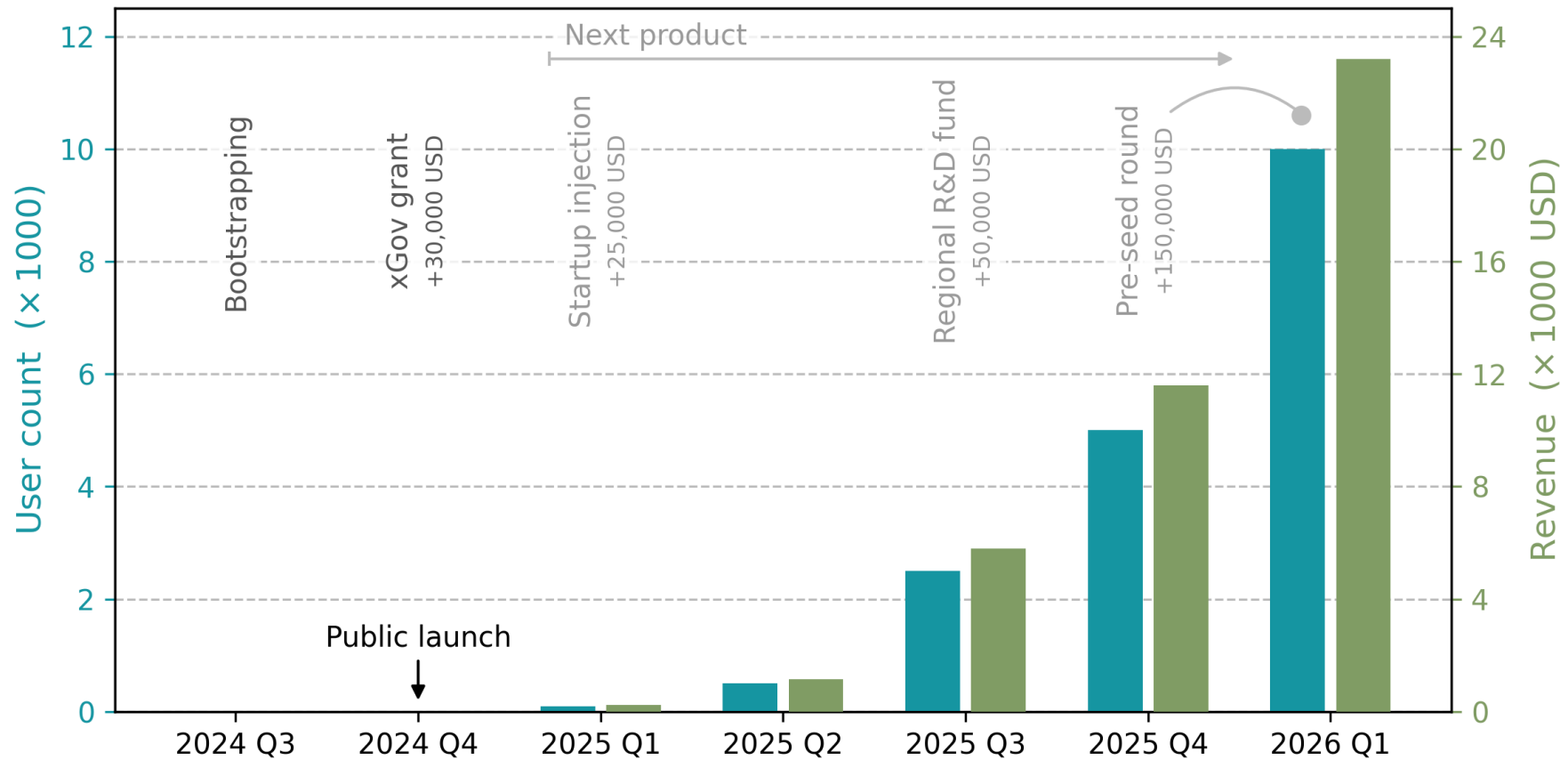
Algorand rewards go live
Public launch of



Real-life applications with
verifiable randomness



Financial and Funding Projection



Ask

- Partnerships to offer node running services to projects' users
- Support in xGov grant program
- Consider us for investments in our following products

**Use our product, spread the word about it, and
let's protect Algorand together!**