

IPFS & Filecoin ecosystem

Austin: March, 21 2023



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Openlinks.io

agenda

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- 1. Web3 Community Vision**
 - 2. Web3 values**
 - 3. Solutions - IPFS & Filecoin**



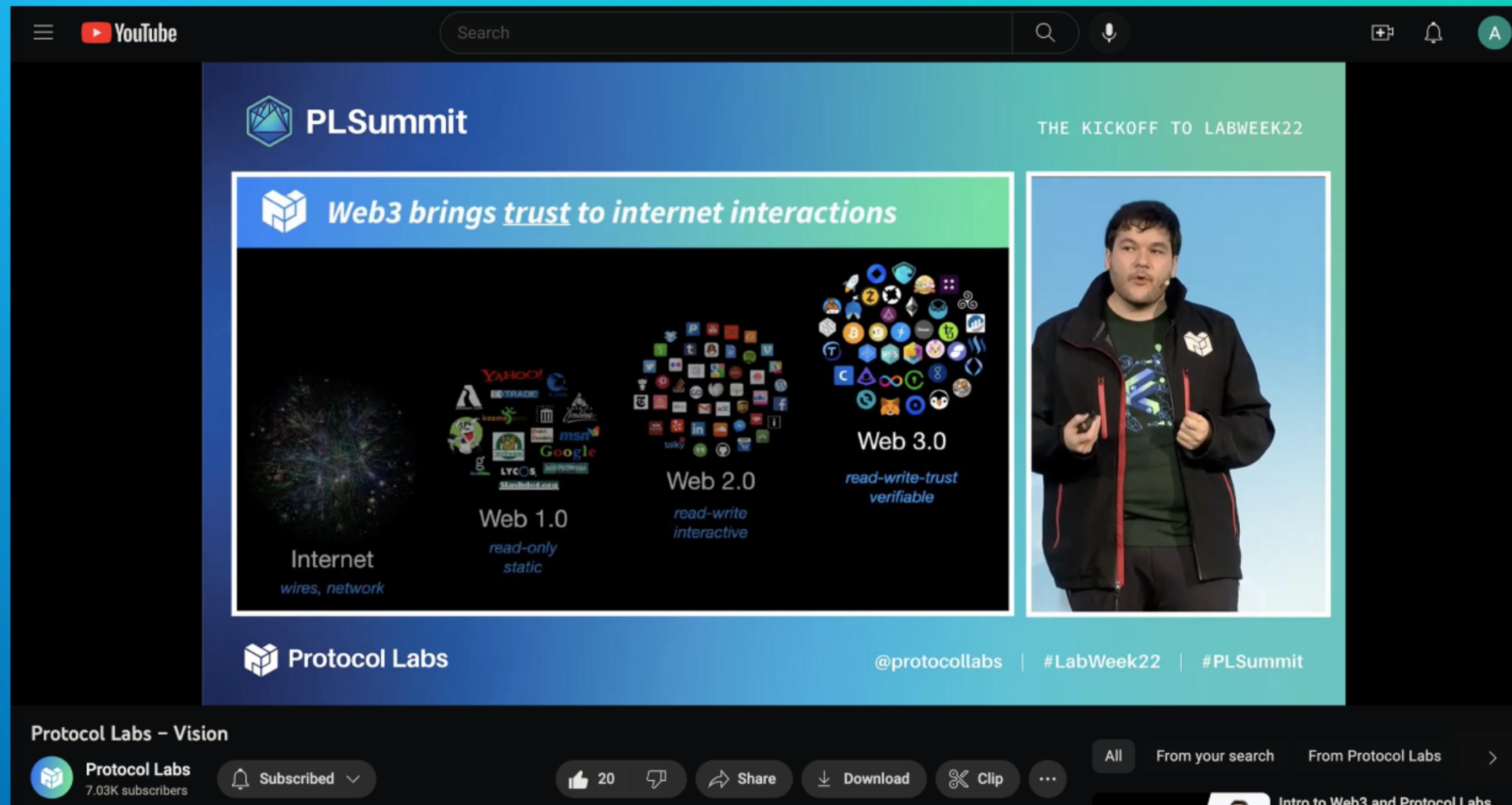
The screenshot shows the 'Protocol Labs Network Directory' interface. On the left, there are filters for 'Teams' (248), 'Tags' (including AI, BioTech, Branding and Design, CDSN, Collaborations, Consultancy, Consumer, Content Moderation, Creative Services, Cryptography), and 'Membership Source' (Alliance, Core contributor, Cypher, Faber, Longhash, Outlier Ventures, PL Ventures, PLG Teams, Techstars). The main area displays a grid of team cards:

- \$Style Protocol**: An open protocol to license NFTs and virtual assets to players in any metaverse.
- OxEssential**: Open-source NFT standards for the metaverse and permissionless metaverse gaming platforms for NFTs.
- 2Cents**: An Ethereum protocol for communities where users become 'network owners' when they post content.
- Actyx**: We build protocols, tools and services to radically improve the resilience of technical systems.
- Afterparty**: A membership-based community where innovative artists, creators, and builders meet.
- Agoric**: A Proof-of-Stake chain utilizing secure JavaScript smart contracts to build and deploy DeFi.



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Juan Benet - Lab Week 22





In ~80 years, computing has transformed humanity.
We have superpowers beyond ancestral imagination.



Billions of humans and trillions of computers
live and work together, deeply integrated.



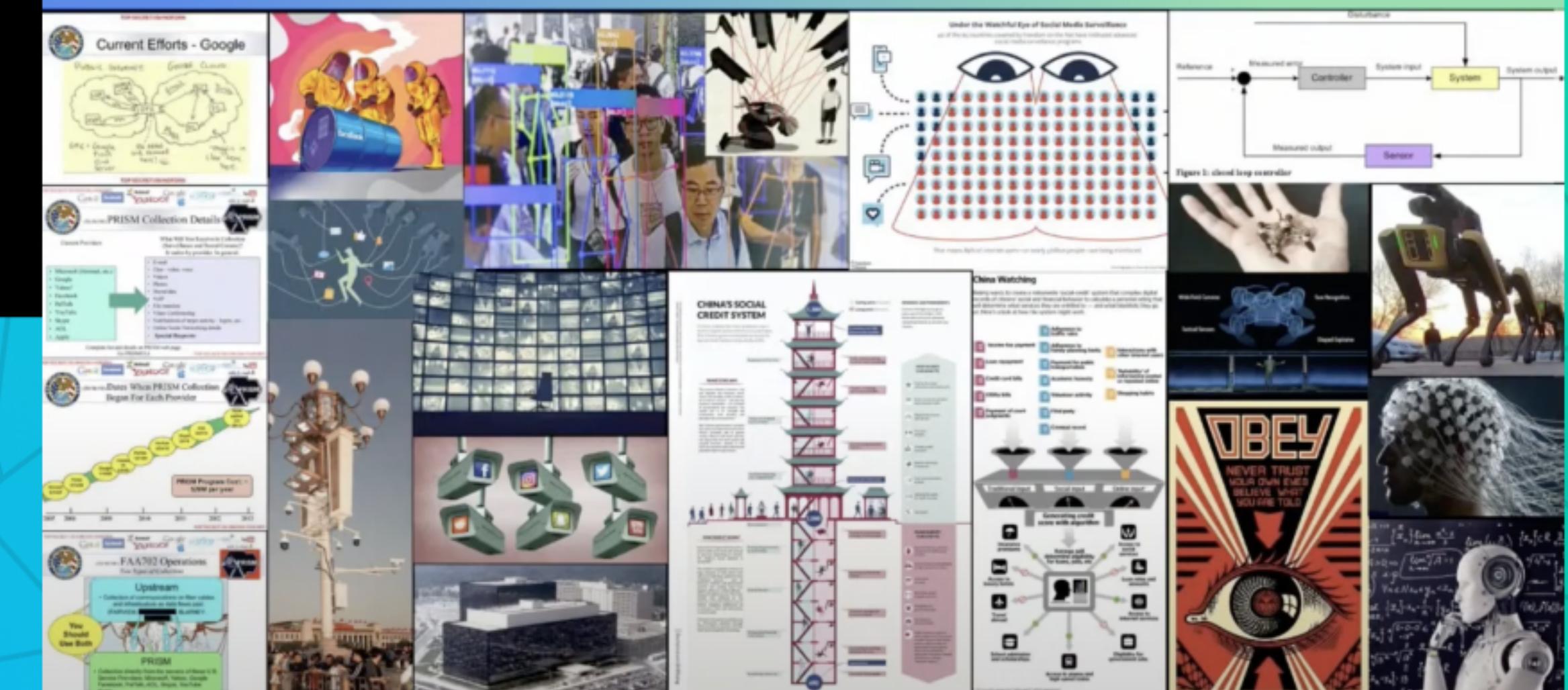
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Computing is causing a transcendental phase transition.
Humanity & intelligence changing radically & quickly.



Mass surveillance enables orwellian digital totalitarianism.
Digitally automated mass social control is now possible.



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Make our communications systems trustable with hard mathematic, cryptographic & economic guarantees

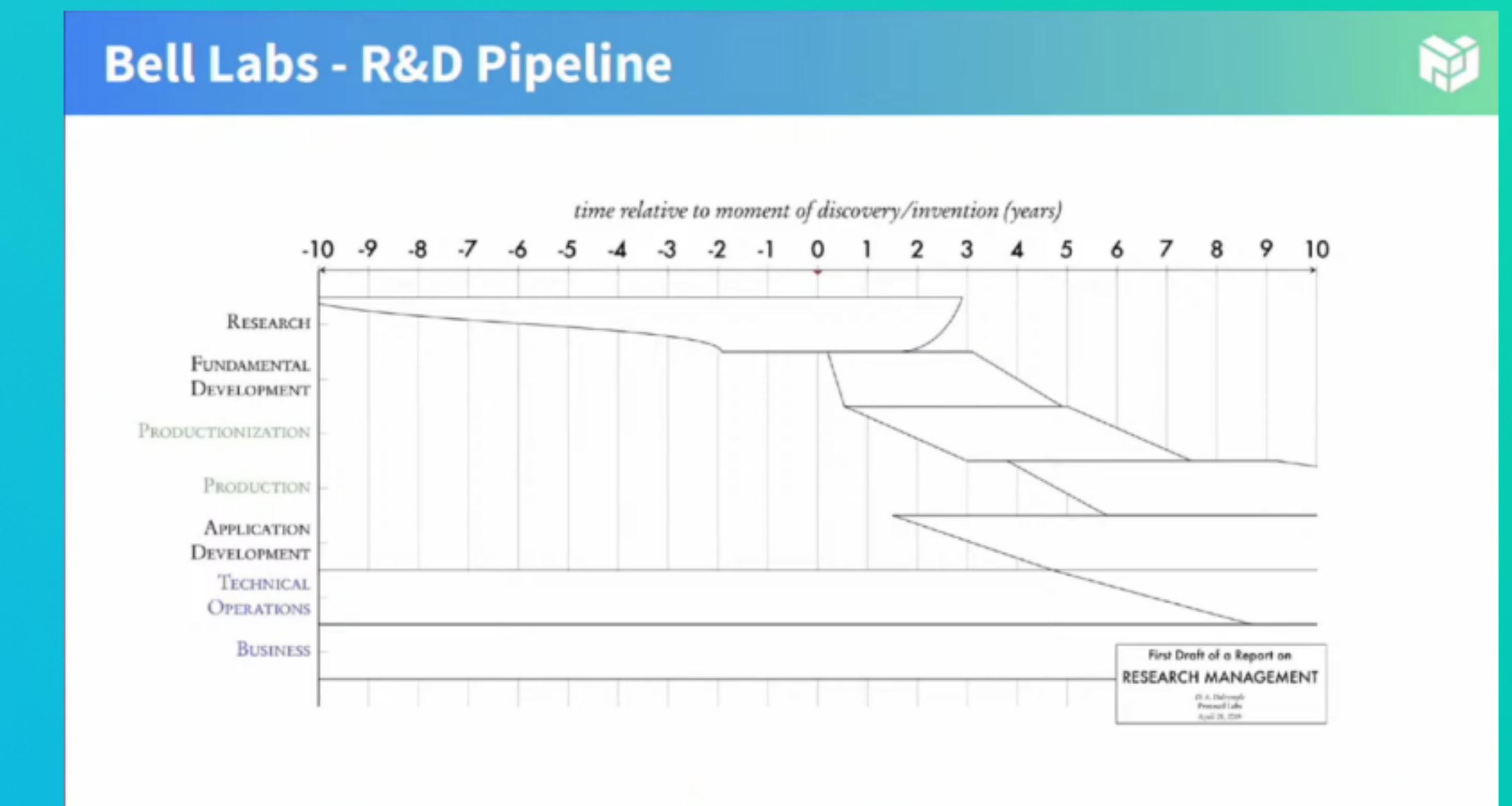
PLSummit THE KICKOFF TO LABWEEK22

Web3 brings trust to internet interactions

The diagram illustrates the evolution of the web:

- Internet**: wires, network
- Web 1.0**: read-only, static. Examples: YAHOO!, E TRADE, Lycos, MSN, Google.
- Web 2.0**: read-write, interactive. Examples: Wikipedia, Facebook, Twitter, LinkedIn, YouTube.
- Web 3.0**: read-write-trust, verifiable. Examples: Ethereum, Bitcoin, IPFS.

Protocol Labs @protocollabs | #LabWeek22 | #PLSummit



Web3 Values → Digital Human Rights

Freedom of Speech - Secure data publishing and distribution

Freedom of Assembly - Secure networking

User owned data - Secure data storage & sharing

Without central control - Decentralized, fault-tolerant connectivity & computation

All interactions are verifiable - Authenticated, Provable, irreversible Txns

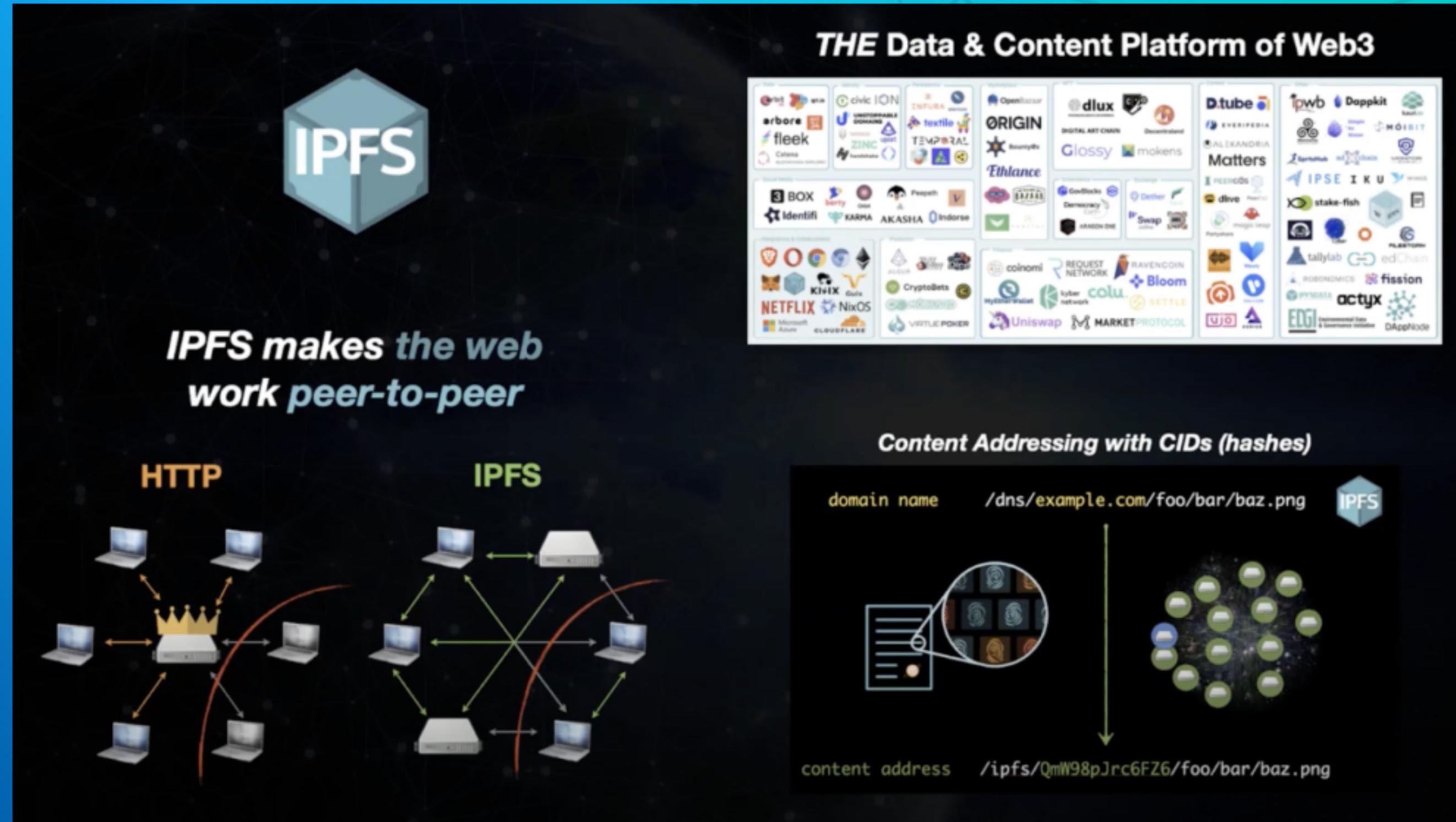
Reader & Writer Privacy - Oblivious content routing

Dependable, Robust infrastructure - Decentralized incentivized infra

Self-sovereign identity for all - Cryptographically controlled identity



IPFS - a new frontier of verifiable & addressable data



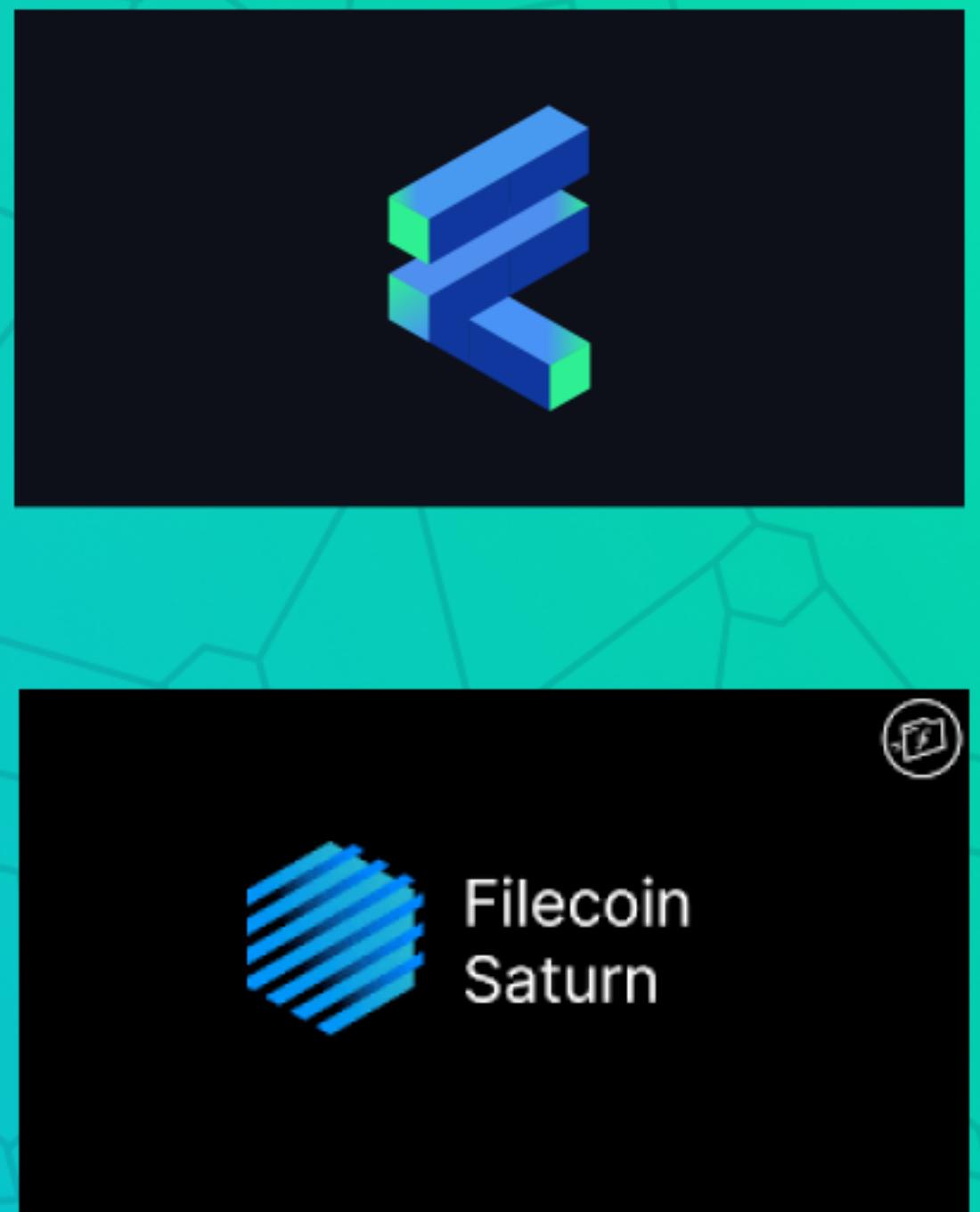
Key IPFS stats

Some stats from IPFS Camp 2019 → 2022:

- 880 → **1,100** active quarterly contributors
- ~40s → **400ms** 95th percentile find time 😍
- 2 → **5** browsers with IPFS support (via extensions) & native **ipfs://** support in **3!**
- ~5M → **~50M** monthly users of IPFS apps+tools!
- ~100+ → **Thousands** of IPFS-powered dapps (multiple with **>5M** MAU!)

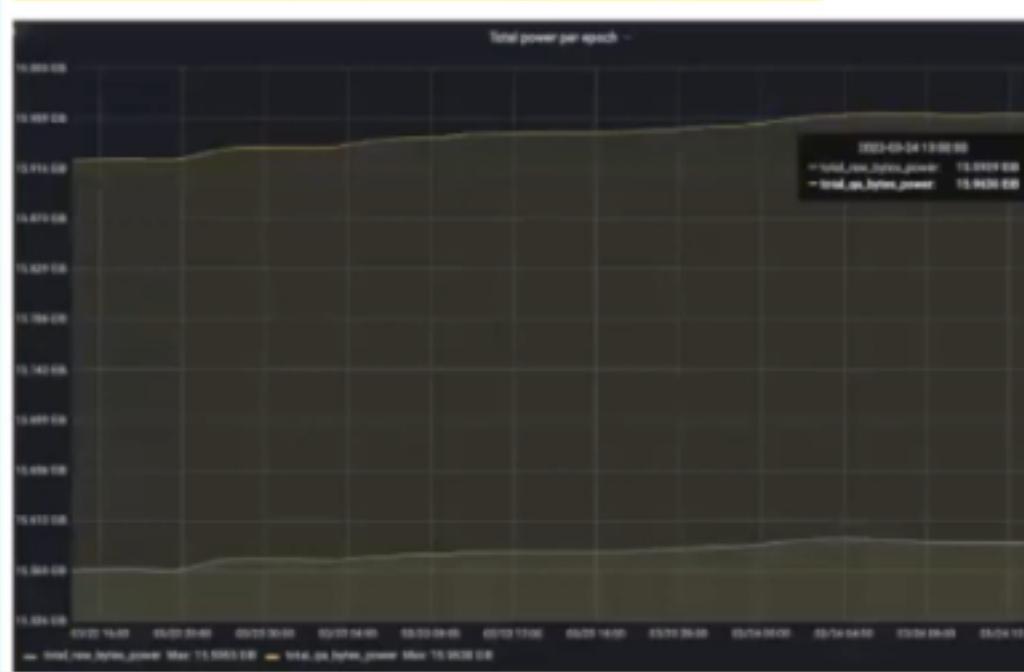


Filecoin - commoditized verifiable storage



Key Filecoin stats

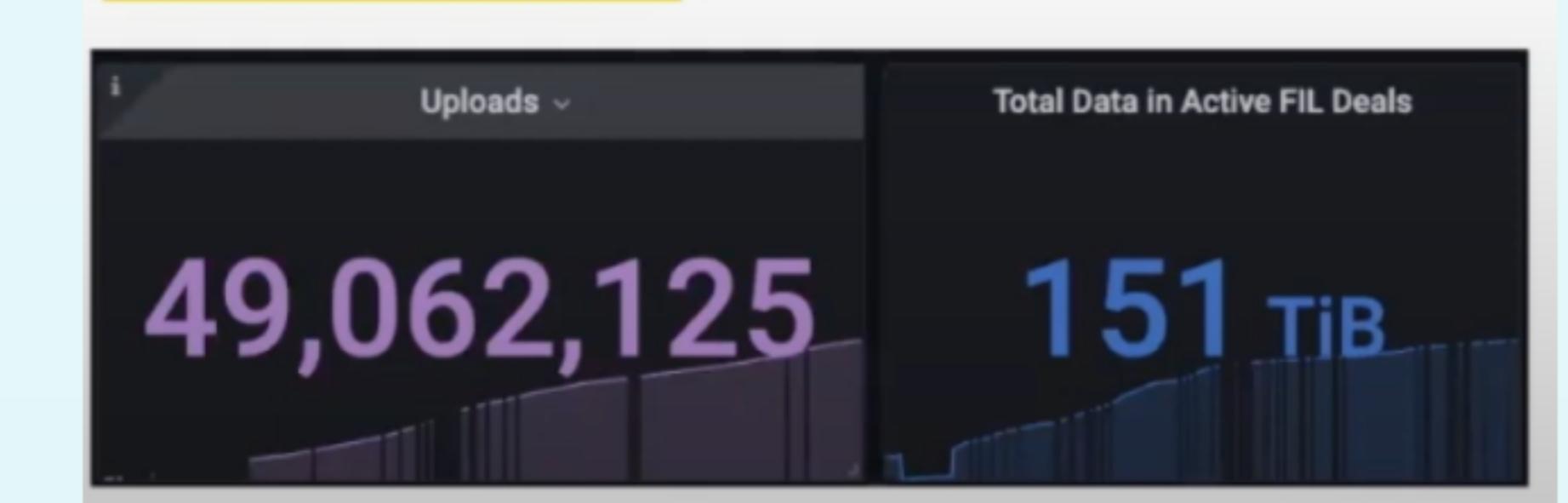
Total Network Storage Capacity: 15.96 EiB



Total # deals on Filecoin: 2.45M deals



NFTs stored on Filecoin: > 41M NFTs

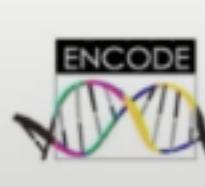
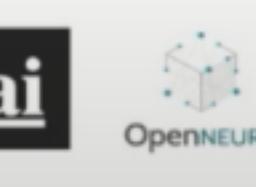
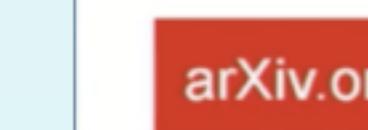


Data stored in Filecoin deals: 56.6 PiB (37.43 PiB verified)



Archiving and Distributing Precious Data

from these organizations and many more



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Slack Group



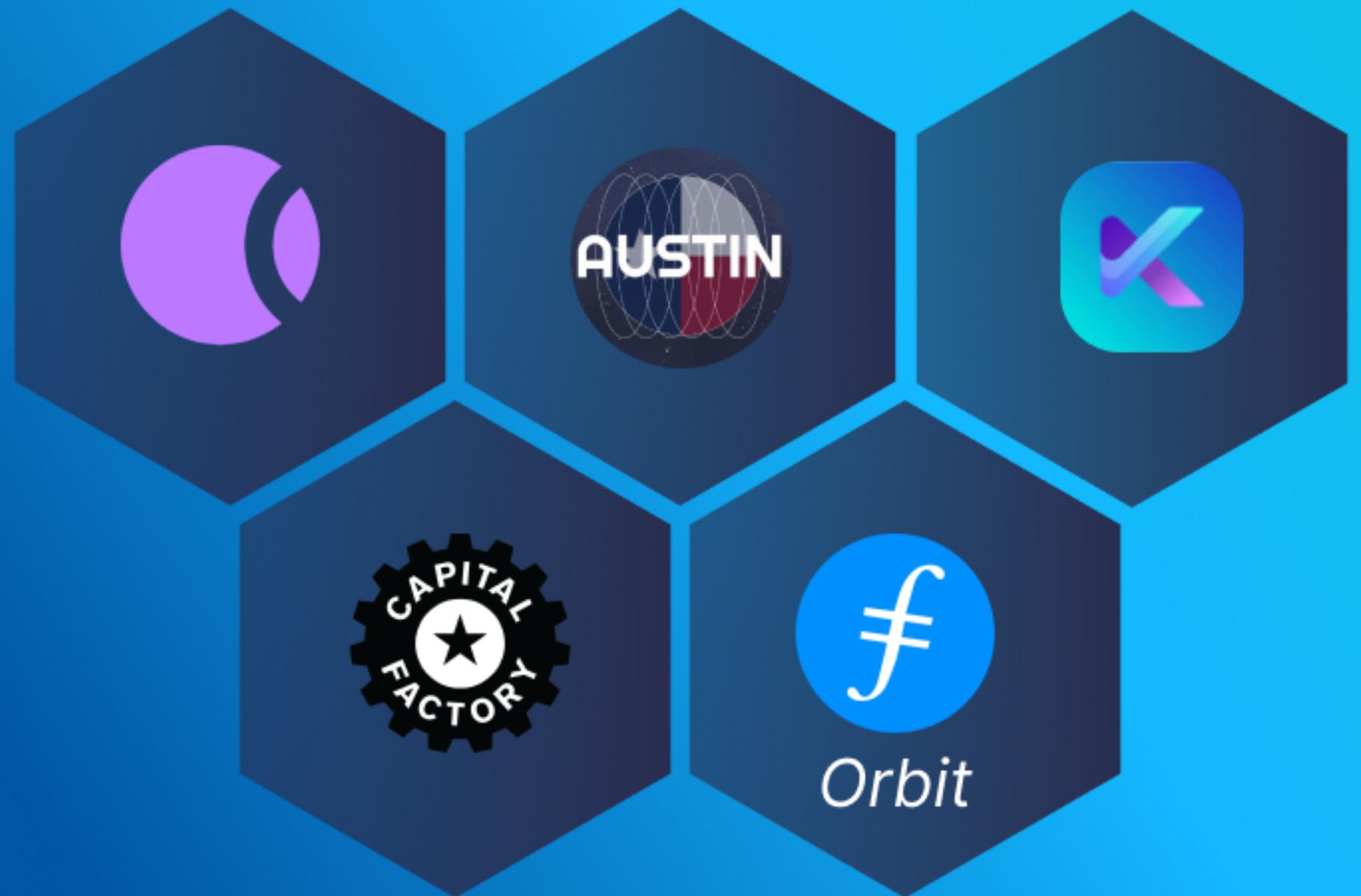
Meetup Group



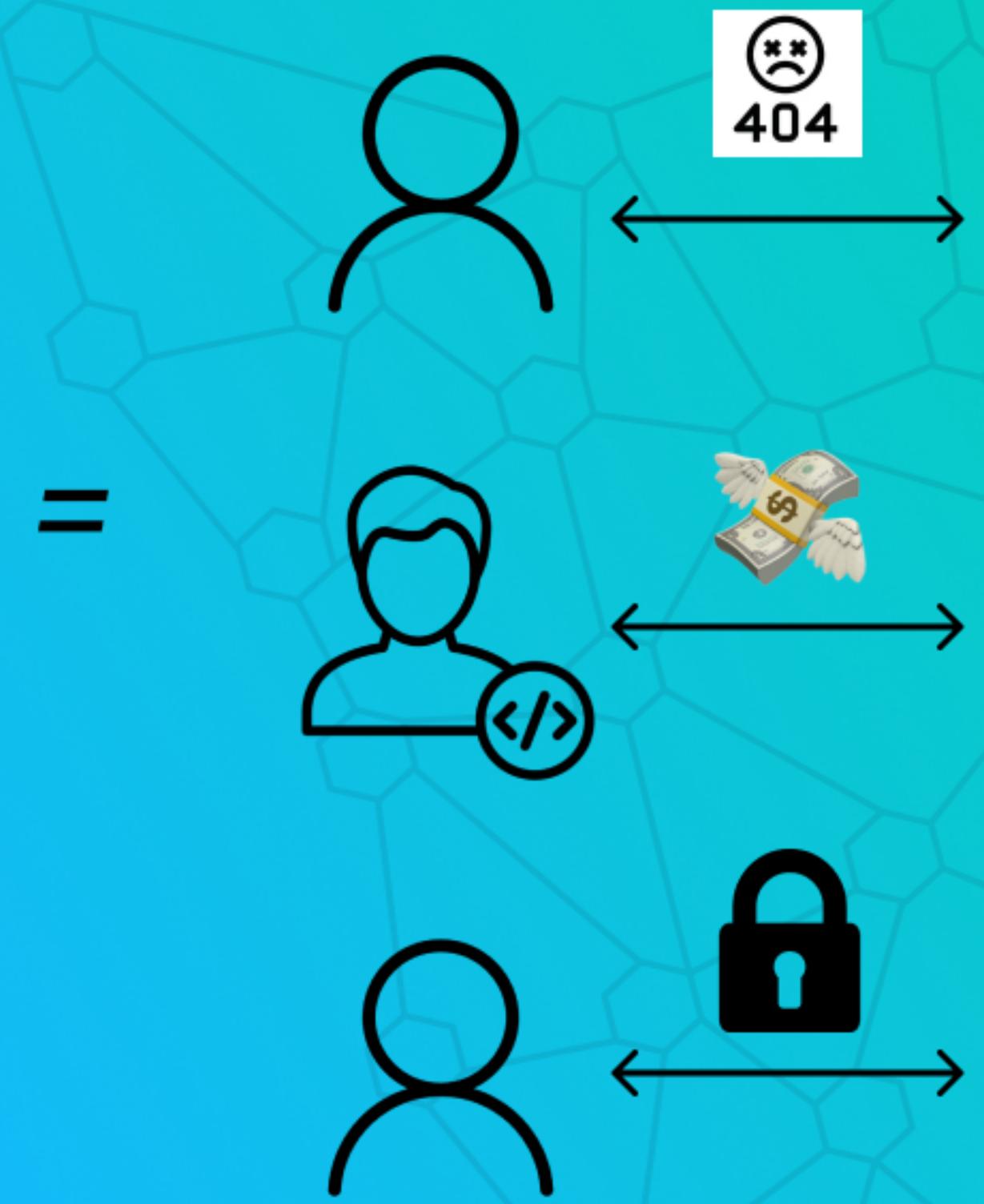
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Thanks!

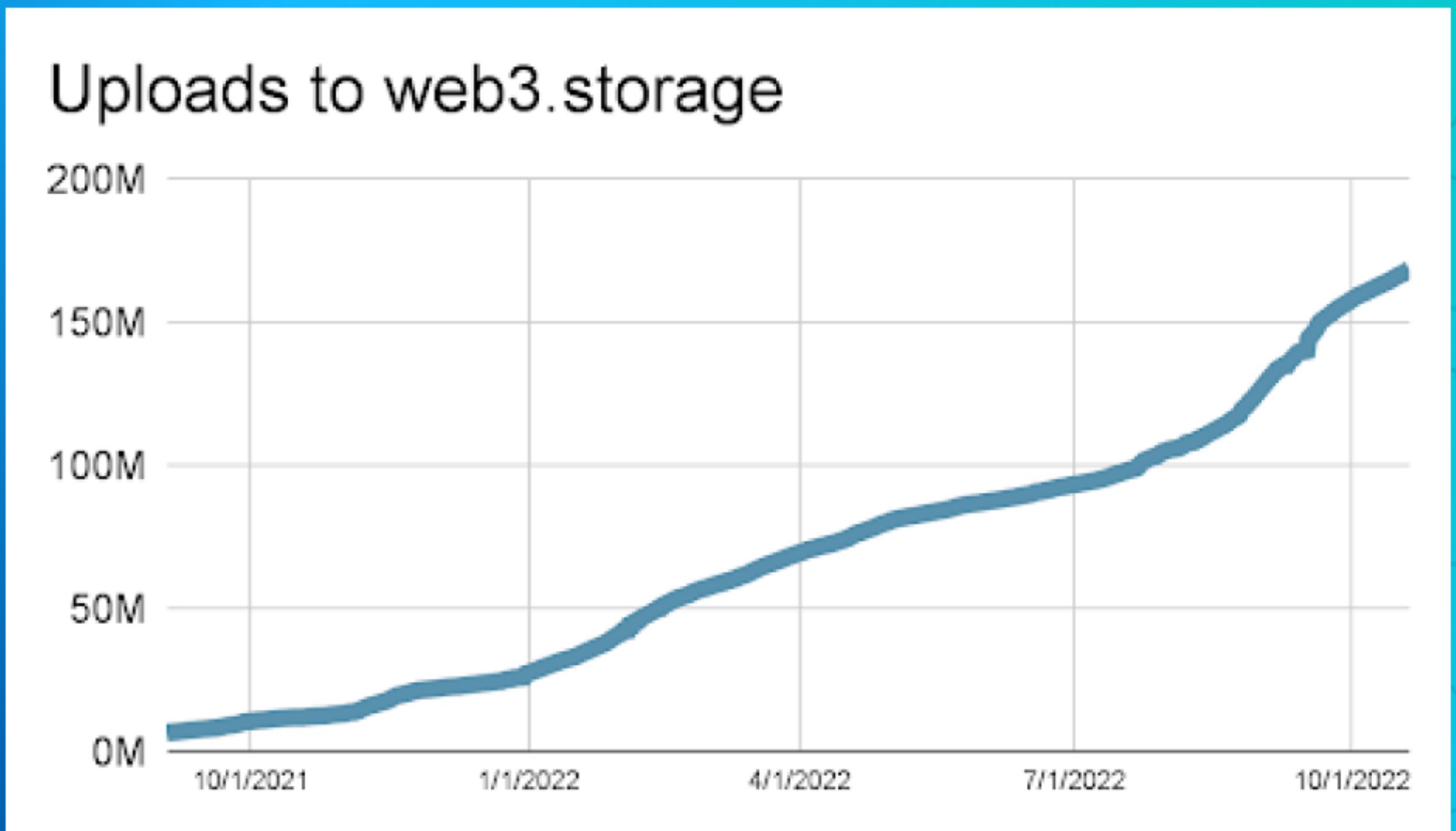
<https://austinorbit.io/>



*Problem:
Data + identity silos =
lock in, bad web
experiences*



Uploads to  Web3.Storage  30% MoM in last year



Current  began



 **Holaplex**



 **OpenSea**

 **PROJECT
GALAXY**

tela

 **fleek**

 **Filecoin**

 **METAPLEX**

 **Rarible**

 **NFTPort**

 **TATUM**

 **Orbit**