

MycoFi

Fungal Wisdom for the
Future of Finance

Mycelial Design Patterns
for web3 and Beyond



Devcon→2024

DeFi
(Decentralized Finance)

ReFi
(Regenerative Finance)

MycoFi

CoFi
(Collaborative Finance)



Why Should We Learn From Mushrooms?

(Always listen to your ancestors)

Mycelial Design Principles

1

NETWORK INFRASTRUCTURE



Mycelial networks as architectural blueprints

2

FRACTAL NATURE



Self similarity & scaling in the mycelial world

3

EMERGENT COORDINATION



Ground-Up Coordination:
Learning from the Edges

4

DYNAMIC FLOW



Continuous Resource flow in mycelial networks

5

MUTUAL RECIPROCITY



Evolutionary Success: ~4 Billion Years of Mutual Benefit

6

POLYCENTRIC PLURALISM



Diversity weaves resilience



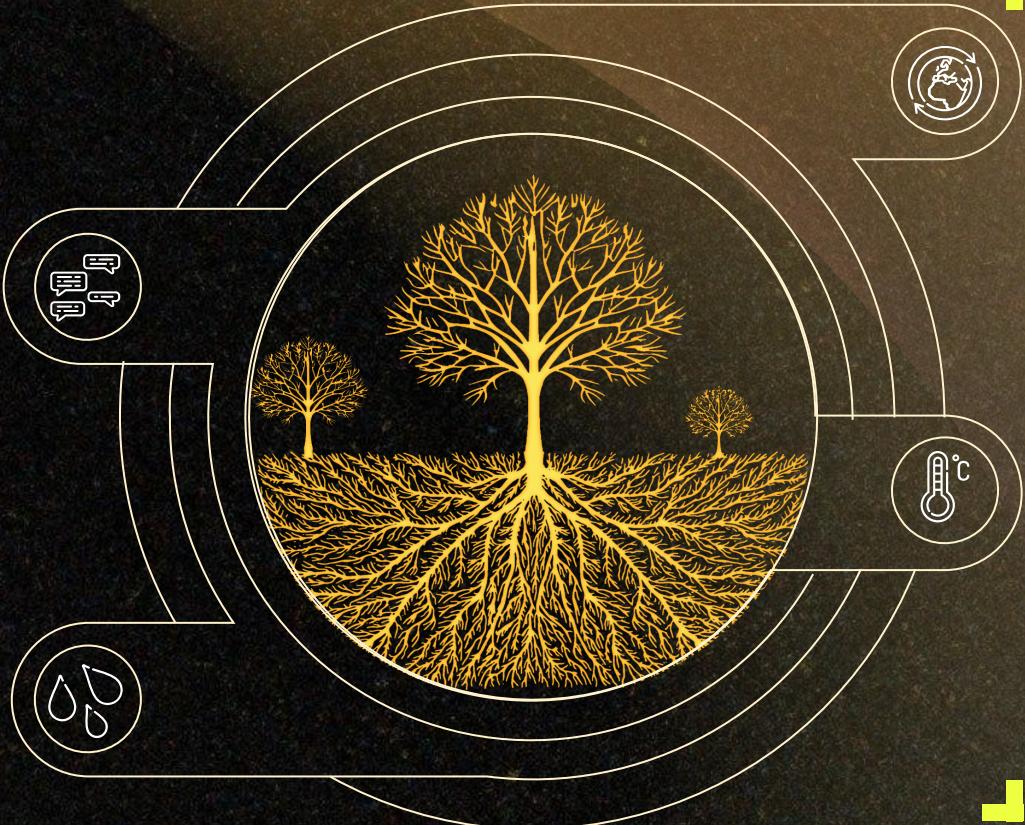
NETWORK INFRASTRUCTURE

Mycelial Networks
as Architectural
Blueprints



Nature's oldest network: the wood wide web

Fungal highways connect forest ecosystems, inspiring decentralized digital architectures.





BLOCKCHAIN NETWORKS

Distributed network of interconnected nodes

Transmit transactions and data

Dynamic allocation of computational resources

Permissionless network growth

Positive sum coordination of resources



MYCELIAL NETWORKS

Vast network of interconnected hyphae

Transmit chemical signals and nutrients

Dynamic allocation of nutrients

Permissionless growth between trees

Positive sum coordination of resources

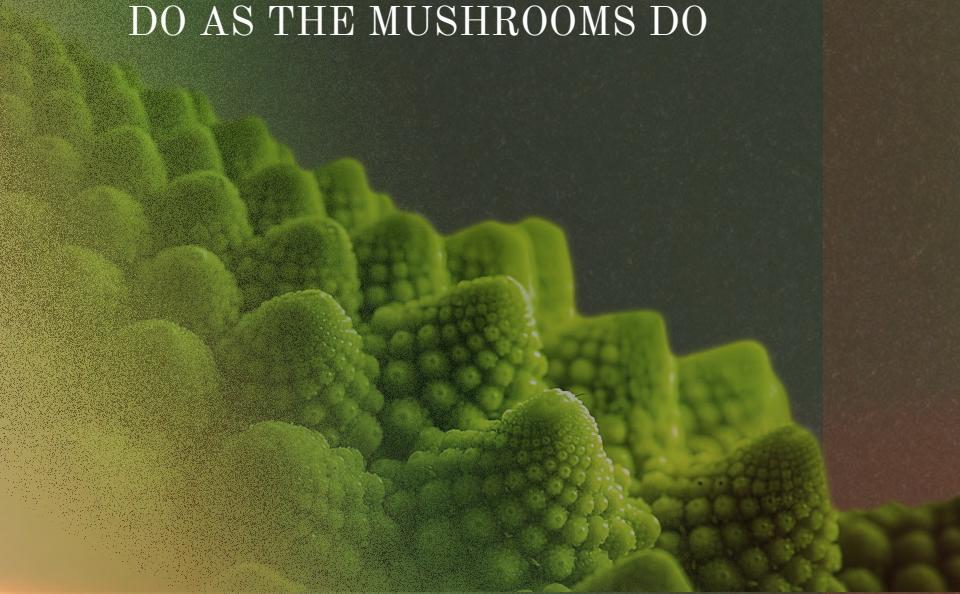
FRACTAL NATURE

Self-similarity &
Scaling in the
Mycelial World



FRACTAL NATURE

IN ORDER TO SCALE WITHOUT
DESTROYING OUR PLANET, WE MUST
DO AS THE MUSHROOMS DO



FRACTALS ARE EFFICIENT
ENDLESS EMERGENT COMPLEXITY



NATURE'S ULTIMATE
AUTOMATION ALGORITHM



LIKE FRACTALS, MYCELIAL
NETWORKS BLUR THE LINES
BETWEEN INDIVIDUAL AND
COLLECTIVE.





EMERGENT COORDINATION

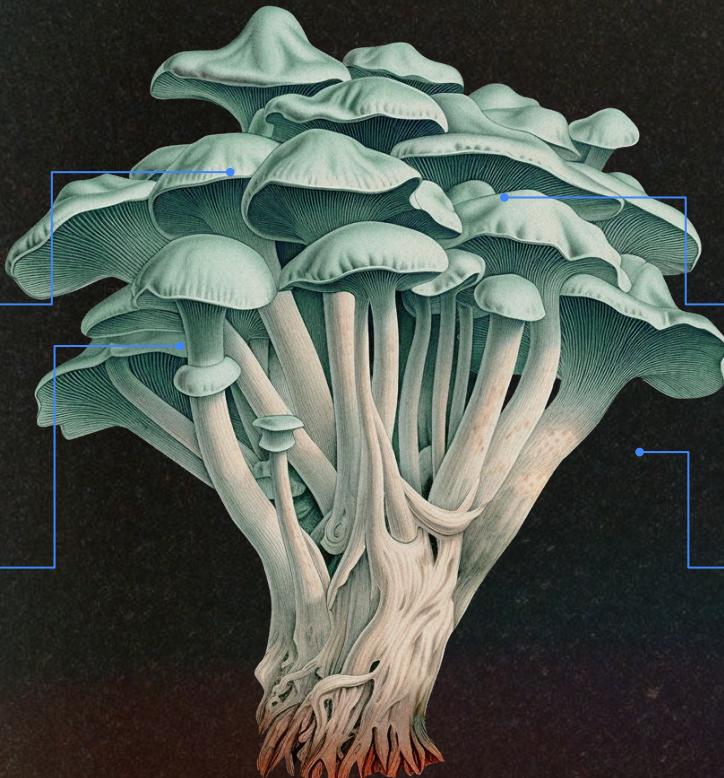
Ground-Up
Coordination:
Learning from the
Edges



FUNGI ARE THE ORIGINAL DAO'S



SHARE
INFORMATION



DISTRIBUTE
RESOURCES

MAKE
DECISIONS



NAVIGATE
CHANGE

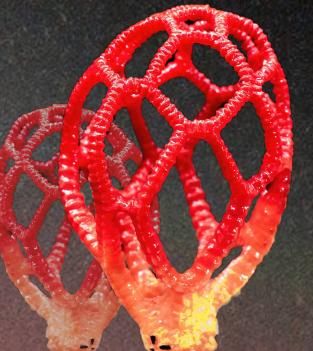


F

DYNAMIC FLOW

Continuous Resource
Distribution

L



H

RADICLE DRIPS



CONVICTION VOTING

INVERTER NETWORK

Decentralized funding streams for open-source projects

Fluid decision making where voting weight grows with time

Modular tooling for dynamic token issuance

DYNAMIC FLOW





MUTUAL RECIPROCITY

Evolutionary
Success: ~4 Billion
Years of Mutual
Benefit



STRENGTH IN SYMBIOSIS

Mycelium is like the extended nervous system of nature, through which trees can recognize, feed, and communicate with kin, making forests into networks of mesh stability.

Up to ~75% of a plant's roots are can be made up of mycelial tendrils.



POLYCENTRIC PLURALISM

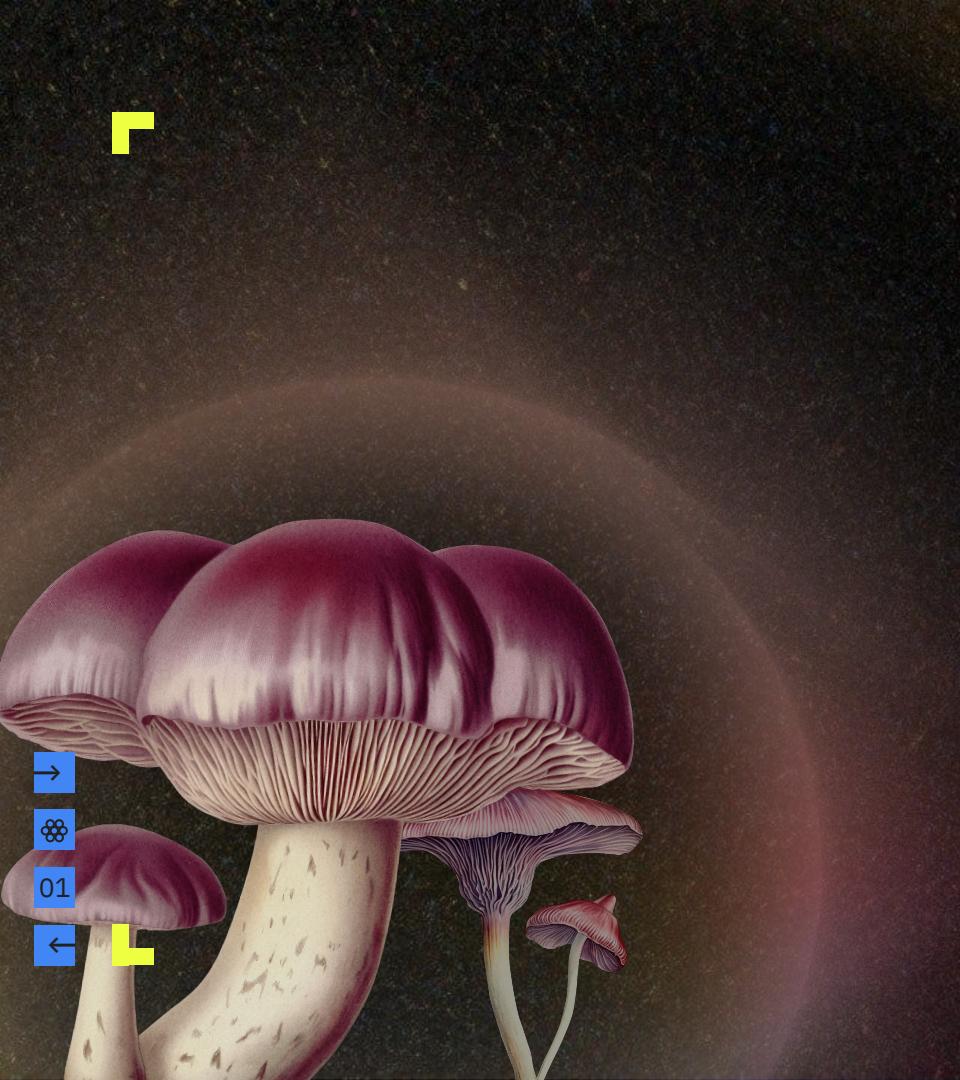
Diversity weaves
resilience





20,000+ DISTINCT
GENDERS





Why Should We Learn From Fungi Again?

(Moving from Monoculture to Permaculture Economics)



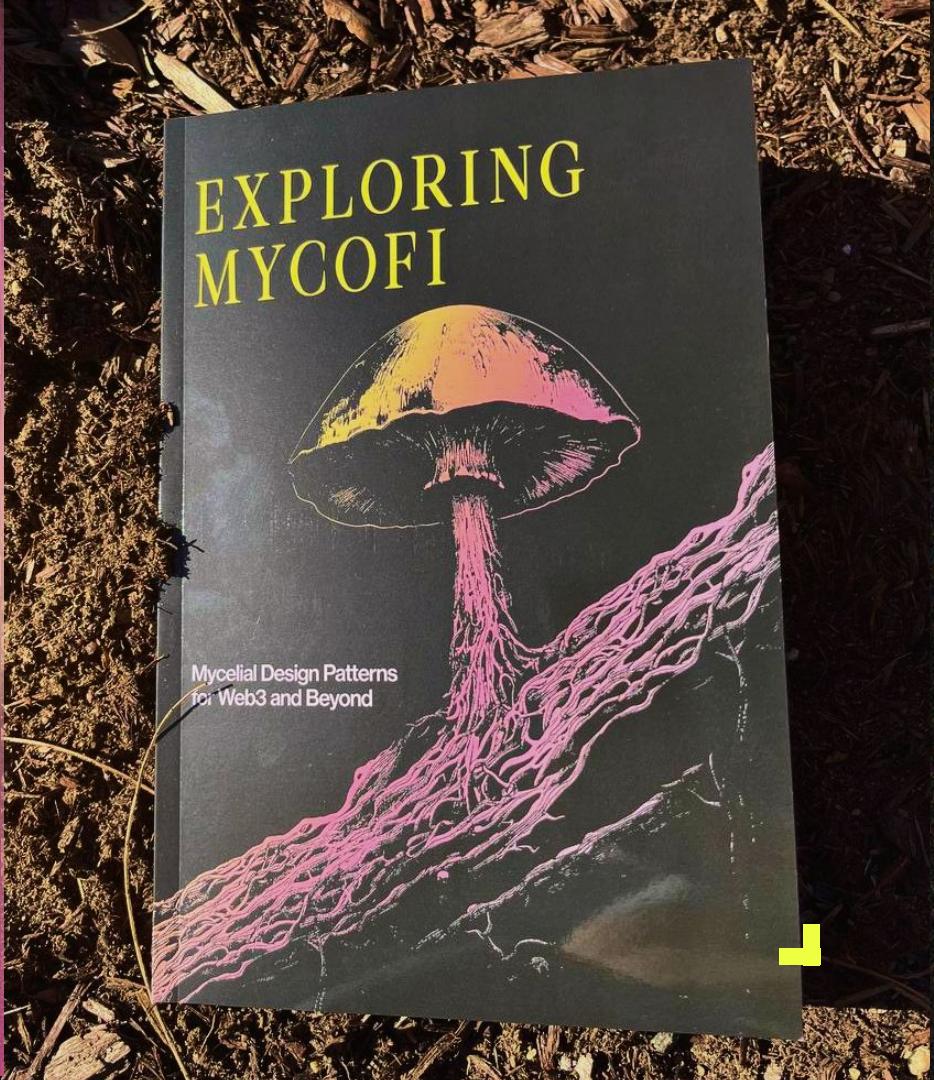
COMPOST CAPITALISM

HAVE YOU GOT
YOUR BOOK YET?

FREE E-BOOK
VIA GREENPILL.NET



BUY A HARDCOPY
VIA MYCOFI.ART



THANK YOU VERY MUSH

QUESTIONS?

Visit our
Linktree here!
MycoFi.Earth



See you all at FungiSync!