Biomimicry
& DAOs
One of the main things we keep forgetting is that life has a 3.8 billion year head start in research and development.

And we are a bunch of individuals who think we know better...
Biomimicry: the emulation of the models, systems, and elements of nature for the purpose of solving complex human problems.
DAOs: Networks of humans organizing around a specific purpose, connecting & coordinating via an agreed-upon set of engagement rules enforced on a blockchain and sharing economic resources and/or protocol rules in the quest to fulfil said purpose.
Complex flow networks exist everywhere in biology – from the small to the broad.

In these networks, connections between components or “nodes” are interactions in the activities and states of the nodes.
Similar to DAOs, interactions within cells and organisms emerge from a predefined set of rules encoded in their DNA.

Decentralized process of self-organization. There is no unique cell that tells all the other cells how to interact with each other.
① What complex flow network features can we mimic when creating an optimal DAO structure?

② How can we be great nodes as parts of larger networks like DAOs?
Clusters: nodes exist in clusters and it’s all about inter cluster & cross cluster communication

Plasticity: some parts of the network react faster to their environment than others

Feedback loops: Any deviation from balance results in an opposite response that restores the balance
Node Mimicry

1. **Uniqueness**: diversity breeds strength & resilience

2. **Coordination is everything**: connecting and collaborating with other nodes is key

3. **Balance strong & weak connections**: variety between connection intensity makes network robust
Balance is not a static condition.

It is a dynamic state made of ongoing adjustments and constant attunement. The power is in engaged equilibrium.
Window of Viability

Resilience
(Diversity & interconnectivity)

Optimum
(Window of viability)

Efficiency
(Streamlined)

Excess Resilience = Stagnation

Excess Efficiency = Collapse
Excessive efficiency makes systems brittle and less resilient.
Here's the timeline.

Event 1
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Emulate
Ethos
Reconnect*

*emphasis on learning from and emulating the regenerative solutions living systems have for specific functional challenges
Here's the timeline.

Event 1
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Patterns
Behaviours
Habits
“When we look at what is truly sustainable, the only real model that has worked over long periods of time is the natural world.”

Janine Benyus
¡Muchas Gracias!