Data Mesh

A Work of **Zhamak Dehghani**

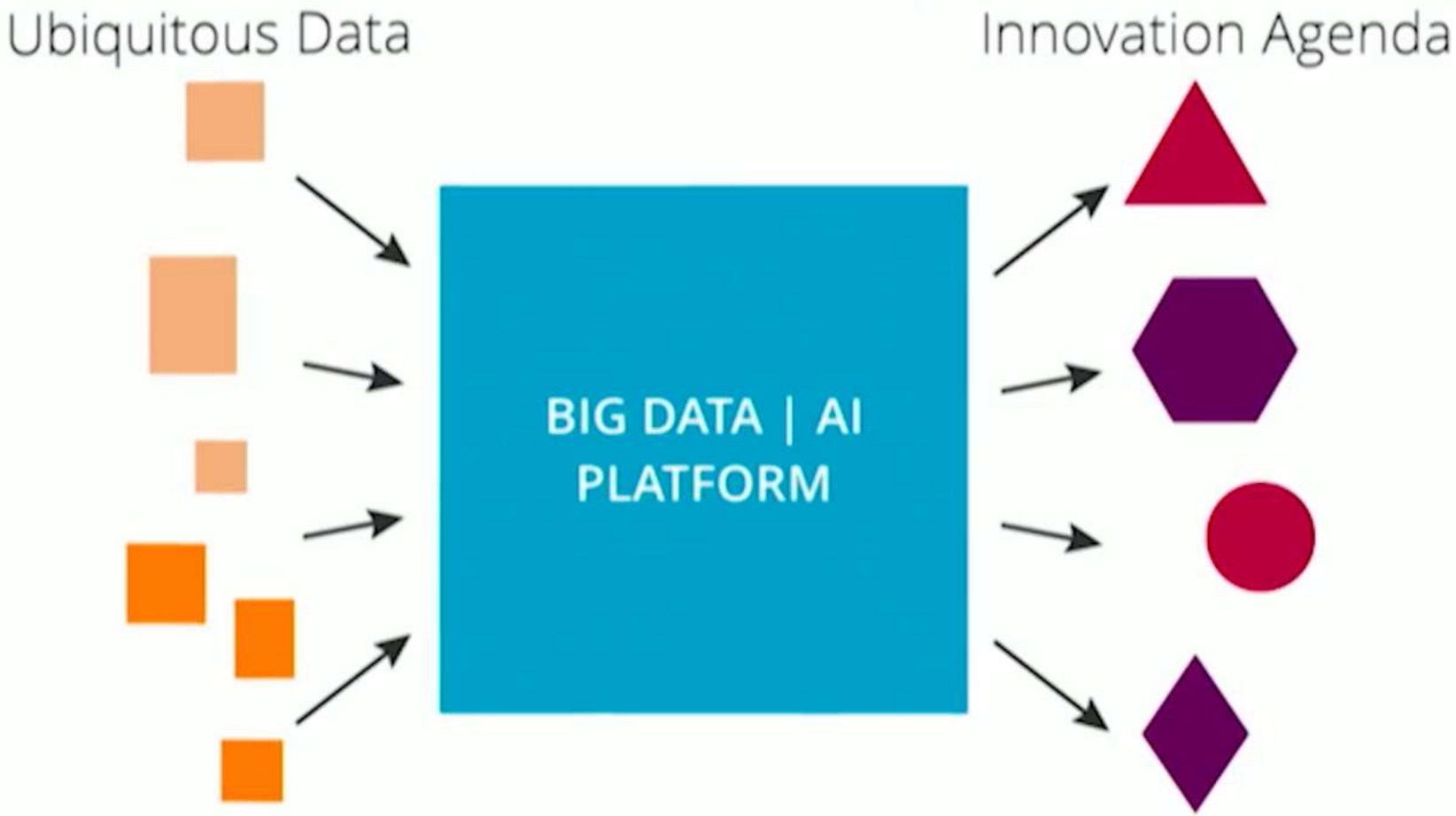
Principal consultant

ThoughtWorks

https://martinfowler.com/articles/data-monolith-to-mesh.html

https://fast.wistia.net/embed/iframe/vys2juvzc3?videoFoam

CENTRALIZED | MONOLITHIC



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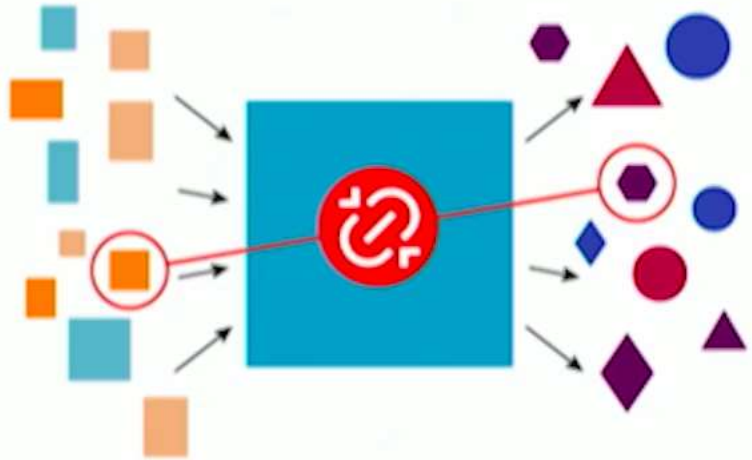
CENTRALIZED
ARCHITECTURE

HYPER-SPECIALIZED SILO
DELIVERY



DISCONNECTED
EXECUTION

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FAILURE SYMPTOMS

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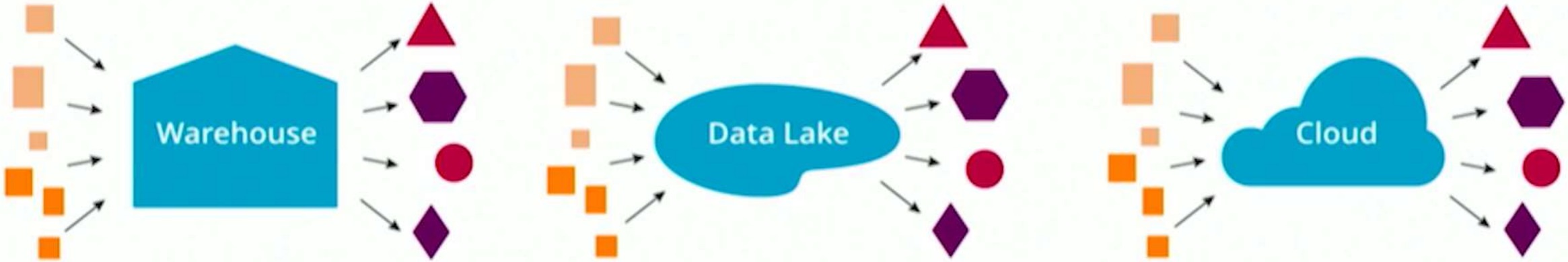
THE NEXT GENERATION DATA PLATFORM

... and yet, the failure modes remain



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DECOMPOSE DATA AROUND DOMAINS

Distribute the ownership

Domains aligned
with the origin of data

Domains aligned
with shared aggregates

Domains aligned with
the consumption

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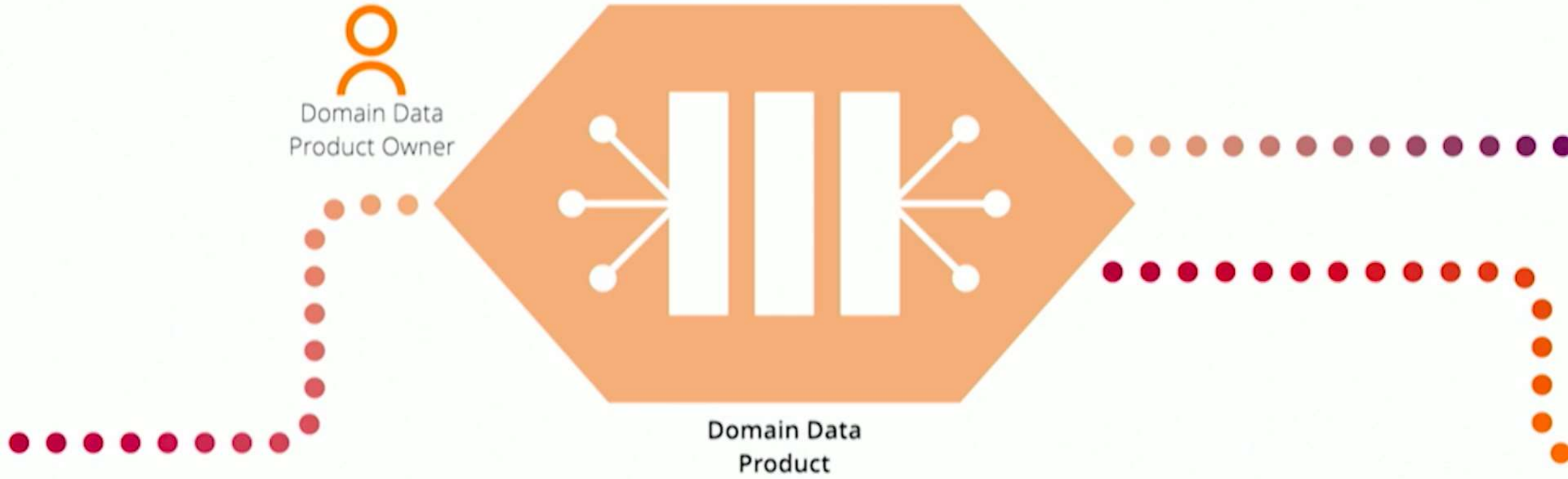
SERVE DATA AS A PRODUCT

Delight the consumer with ease of data discovery and use



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ENABLE AUTONOMY

Abstract technical complexity in self-serve data infrastructure

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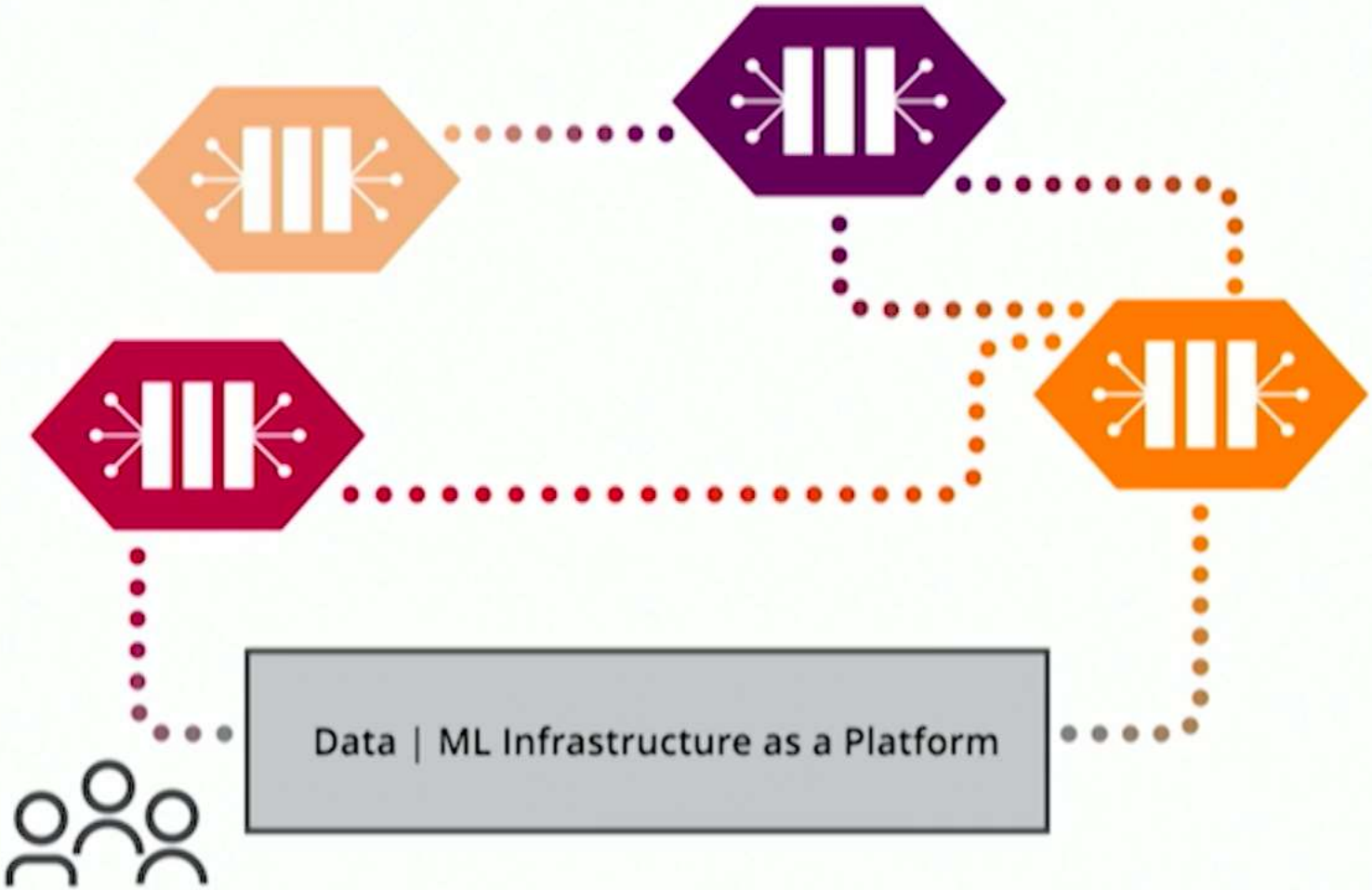
ENABLE AUTONOMY

Abstract technical complexity in self-serve data infrastructure



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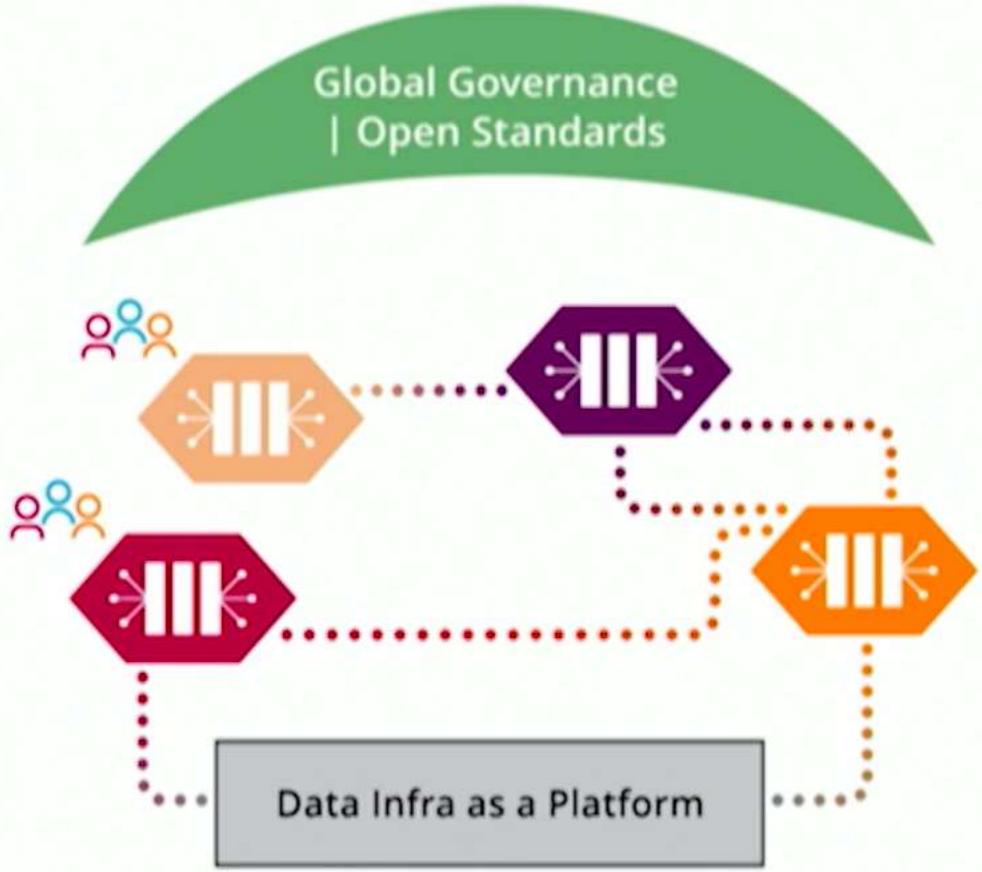
BUILD AN ECOSYSTEM

Create a federated and global governance



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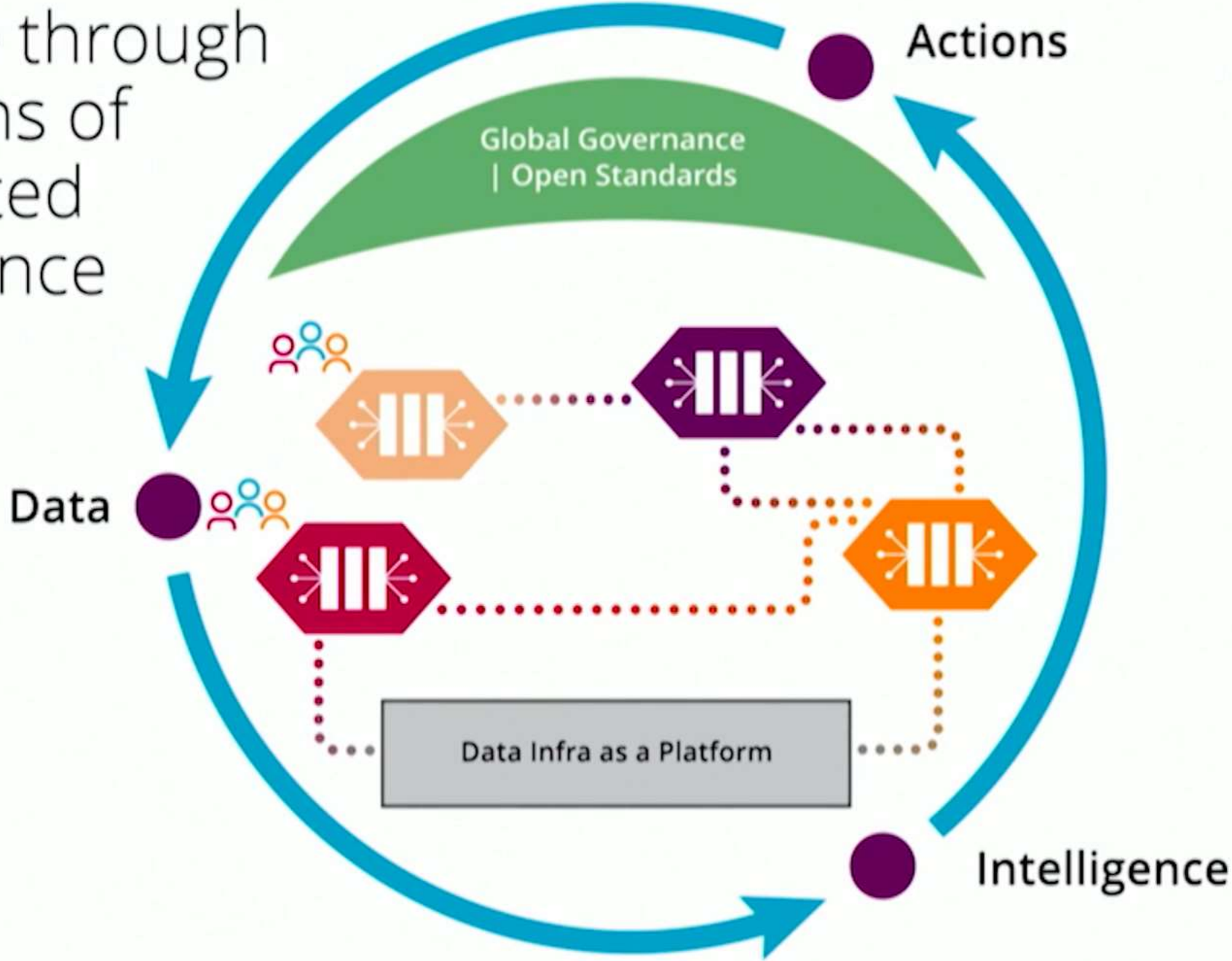
Execute through iterations of connected intelligence



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PILLARS OF THE **DATA MESH** PARADIGM SHIFT

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