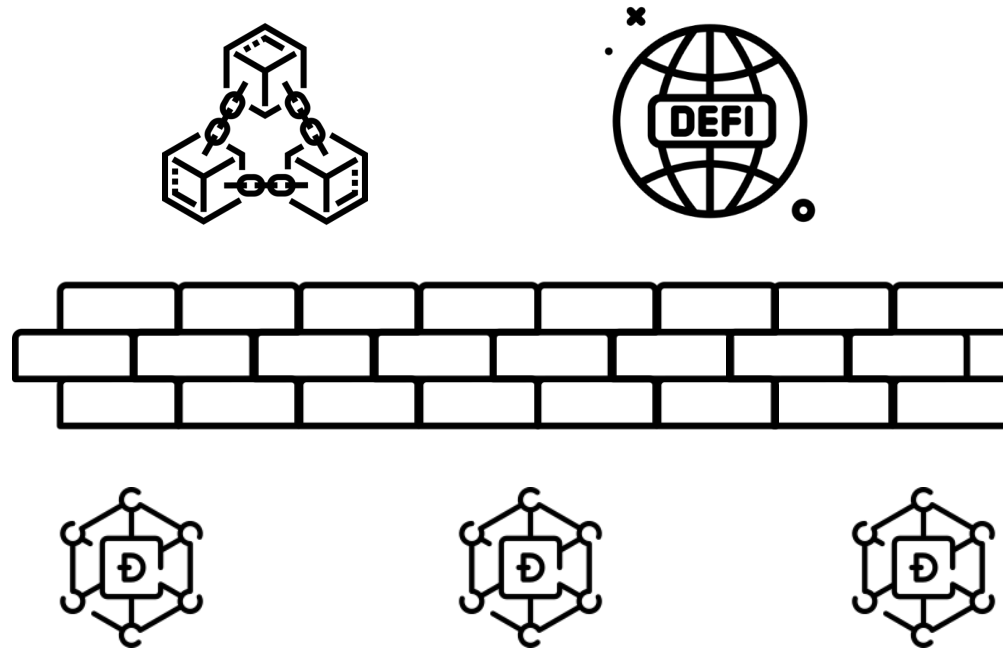
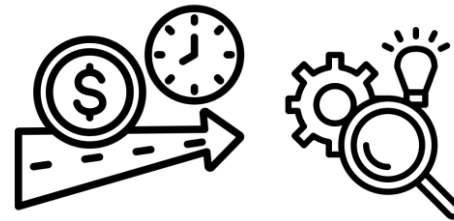
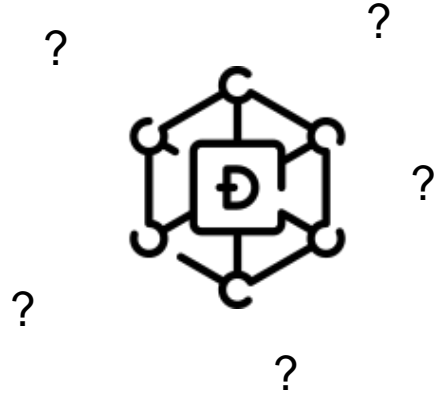


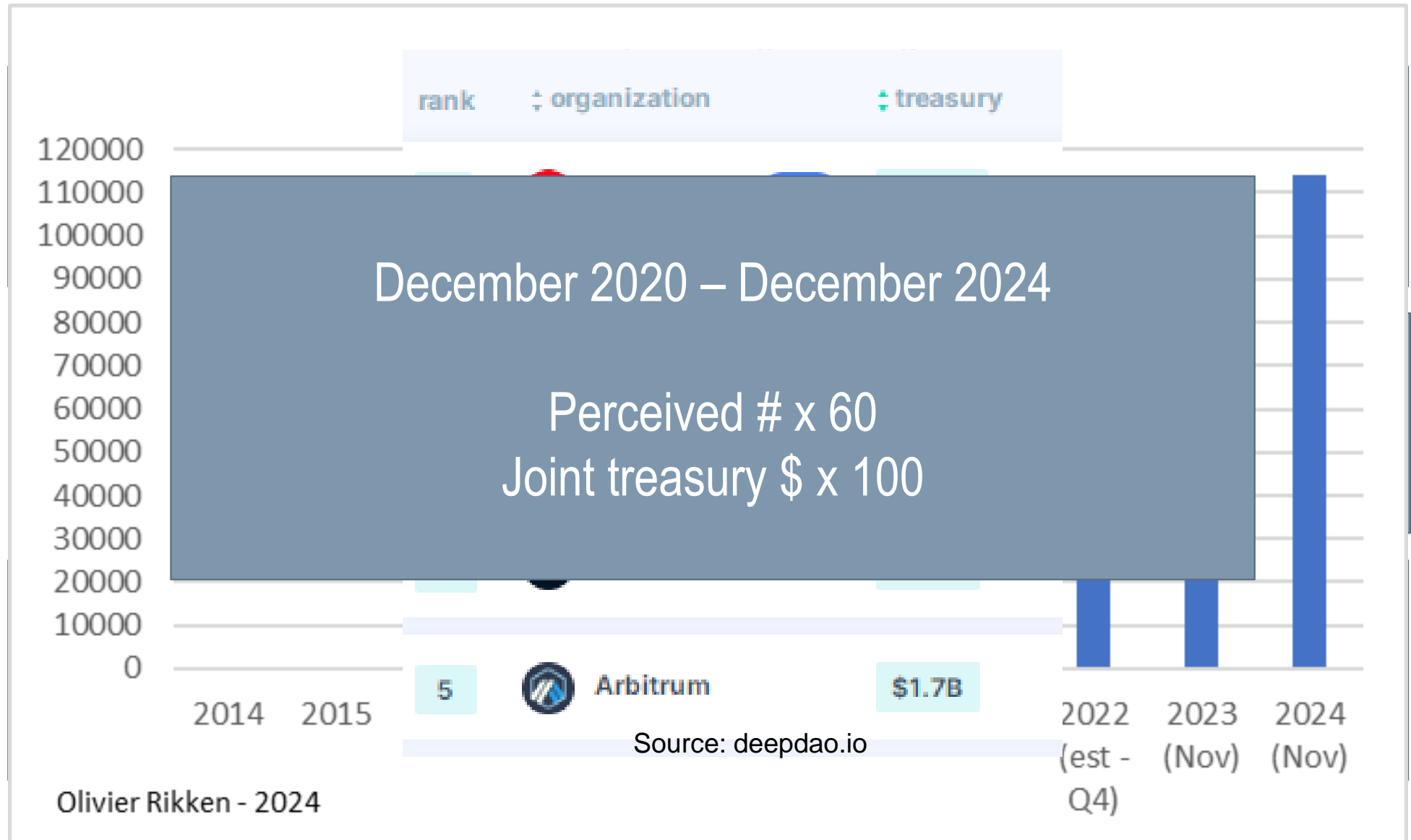
Decentralized Autonomous Organizations (DAOs) as building blocks in Web3 fintech systems – opportunities and challenges



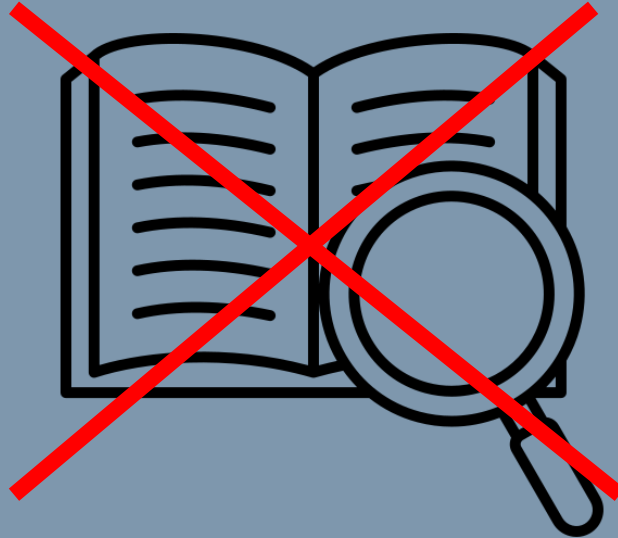
Index



Imagine



What is a DAO?



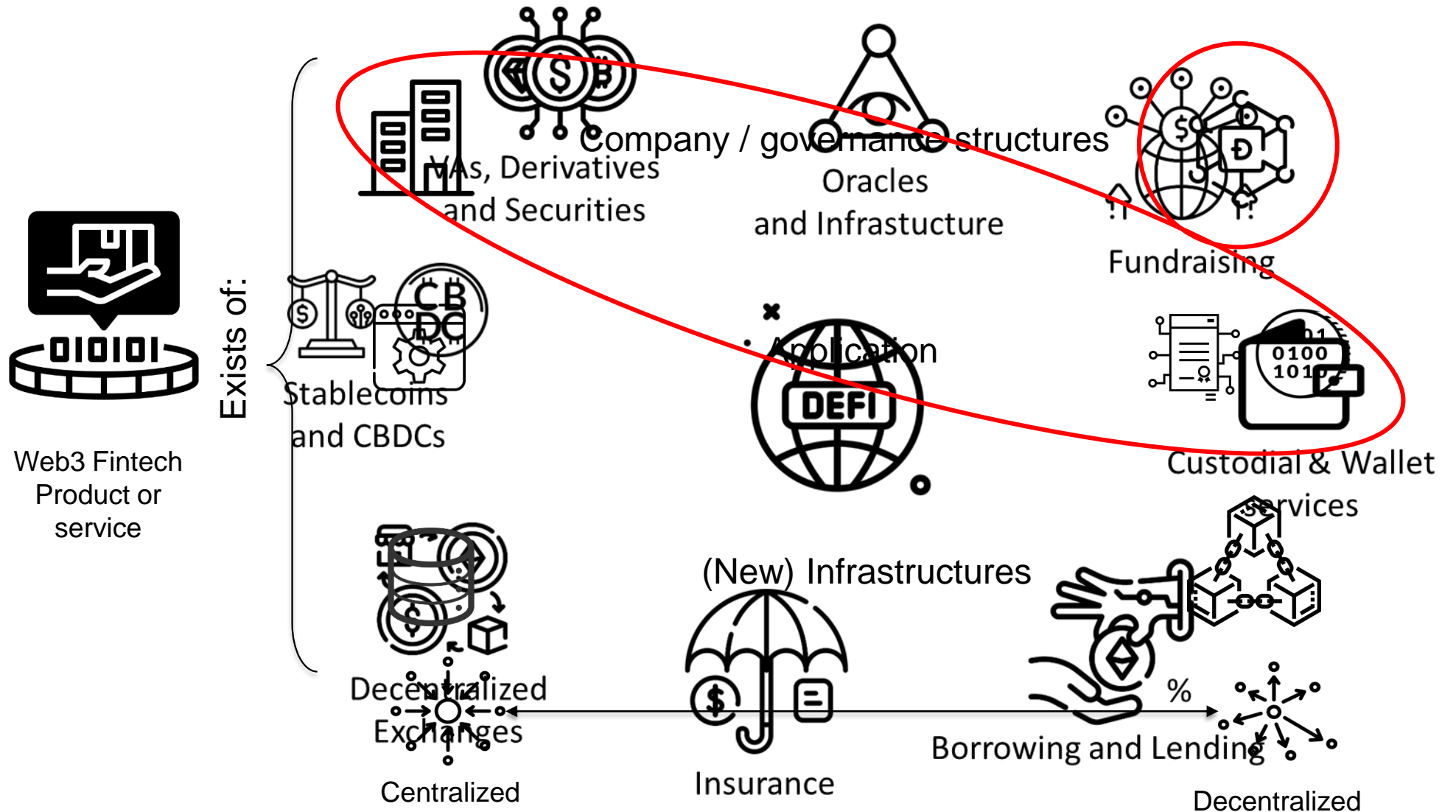
No clear definition of DAO

A comprehensive, unified definition

“A DAO is a system in which storage and transaction of value and notary (voting) functions can be designed, organized, recorded, and archived and where data and actions are recorded and autonomously executed in a decentralized way”

Rikken, Janssen, Kwee – 2023 – Delft University of Technology

Multiple Layers of Web3 Fintech Applications



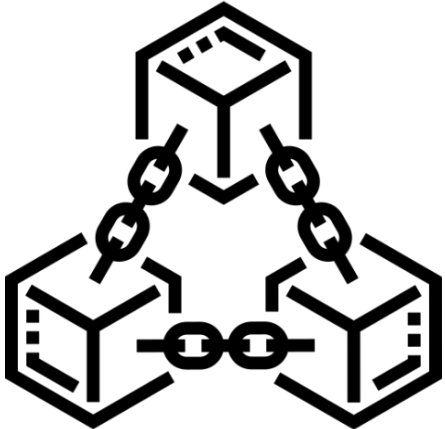
Opportunities



Business objectives

Business Objective Category	General Description	DAOs business objectives as described in various sources
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Collector



verse

	worlds.	
Art	Art creation, ownership and trading related business objectives.	NFT platforms, Art
Other	Other business objectives than the 7 other categories. Either the DAO has combined business objectives or do not fit the other descriptions as they facilitate a too narrow function or single process.	Web3 Platforms, One Issue, Validator, Collector, Wallet, Automating Enforcement of Ethical Policies in business processes

form

infrastructure

One-Issue

Commons

Product

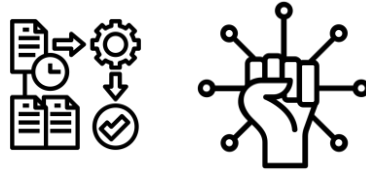
Impact

C

Ve

Documented benefits

Autonomy and Automation



Transparency



Efficiency



Lower Cost



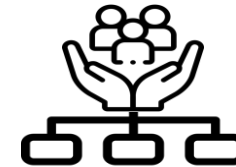
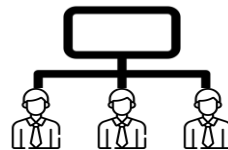
Accountability



Auditability

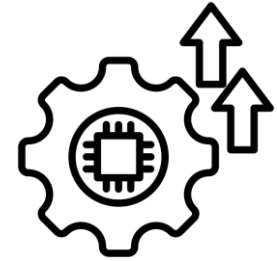


Trust

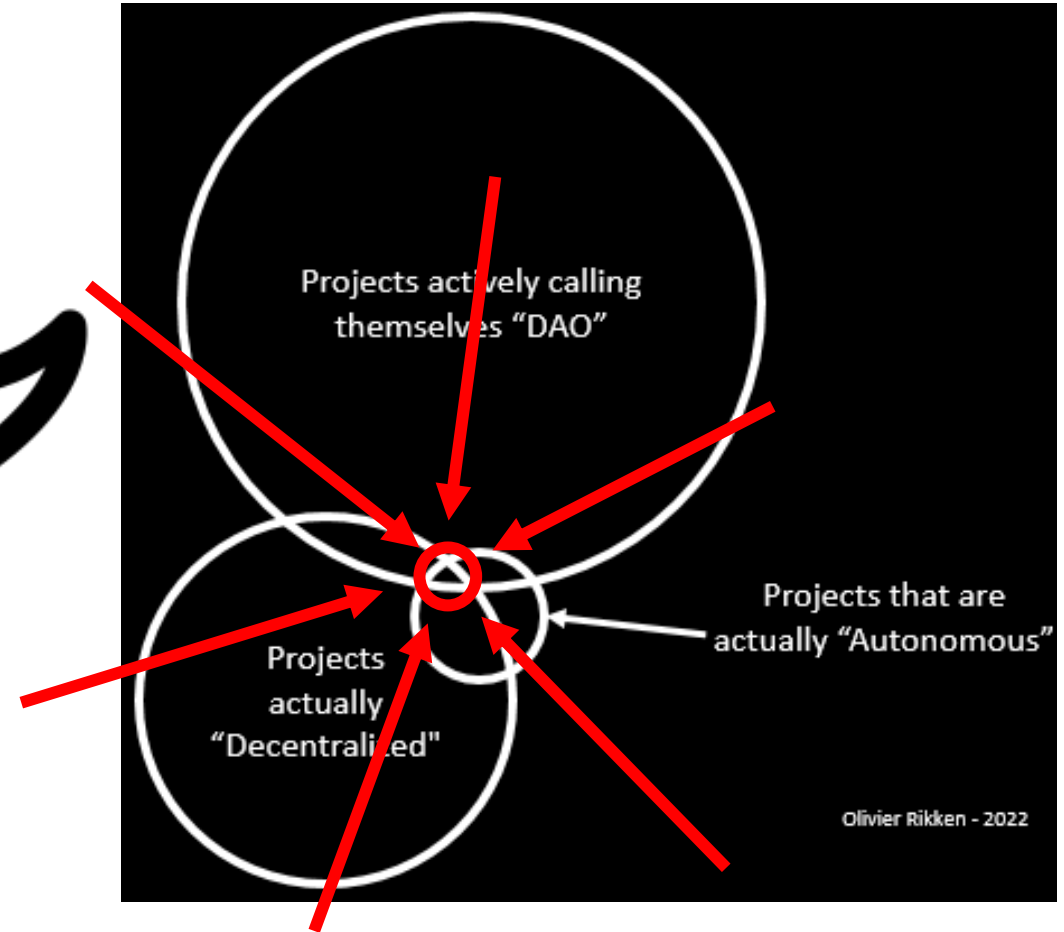
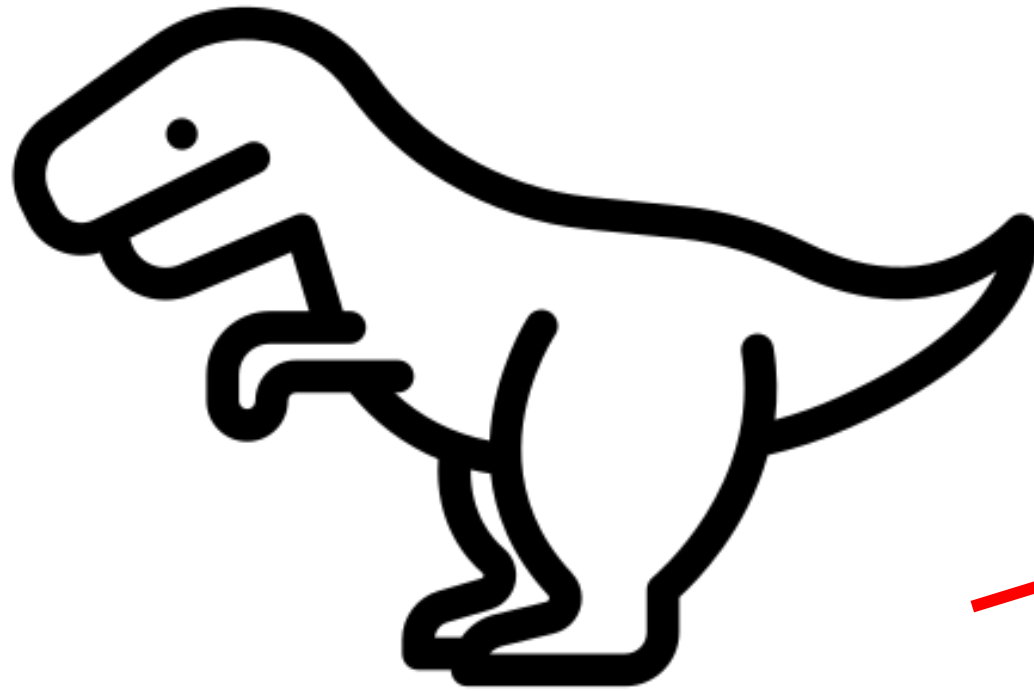


New governance & organizational structures
and Participation & Community ownership models

Challenges



All DAOs?



Is there 1 standard DAO?

Elements business objective,
infrastructure and internal governance
elements are connected.

Influencing long term viability, but also
legal status etc.



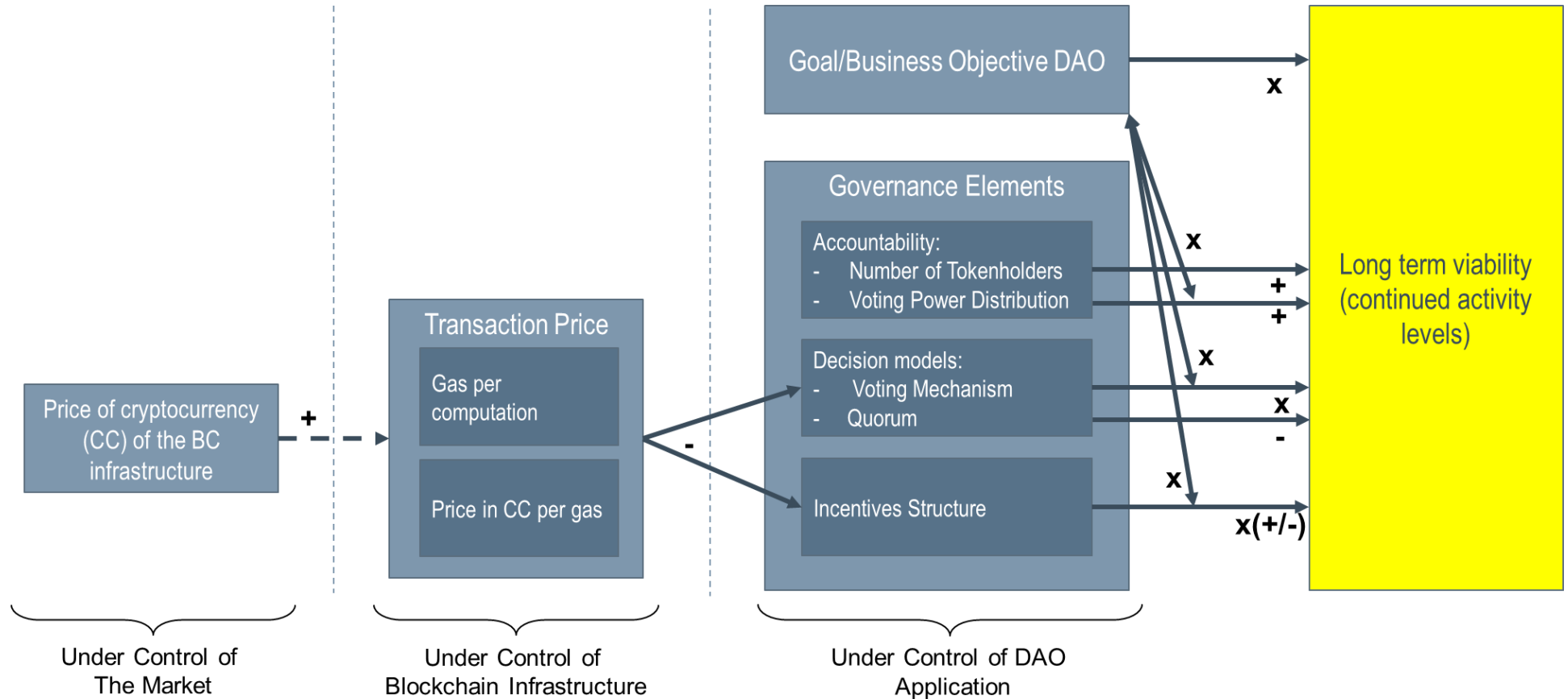
Looking into governance

Components	Component Elements	Dimensions						
Accountability	# Tokenholders	Ratio scale (0 – indefinite)						
	Voting Power Distribution	Dictatorship			Semi-Dictatorship			Democracy
Decision model	Voting Mechanism – lv 1	Weighted voting			Mixed			Non – Weighted voting
	Voting Mechanism – lv 2	Share like		Reputation		Mixed		Direct Democracy/ Membership
	Quorum	Yes		No		Progressive		Multi-layer
	Quorum %	Ratio scale (0-100)						
Incentives	Level 1	Direct			Indirect			No
	Level 2	Token	Fee	Rep	Staking	Token Value	Combination	None

Rikken, O., *Governance of Decentralized Autonomous Organizations – how business objectives, internal governance elements and external infrastructure elements influence the long term viability of DAOs*. 2024, Delft University of Technology

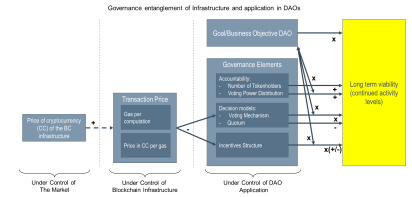
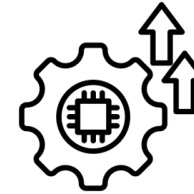
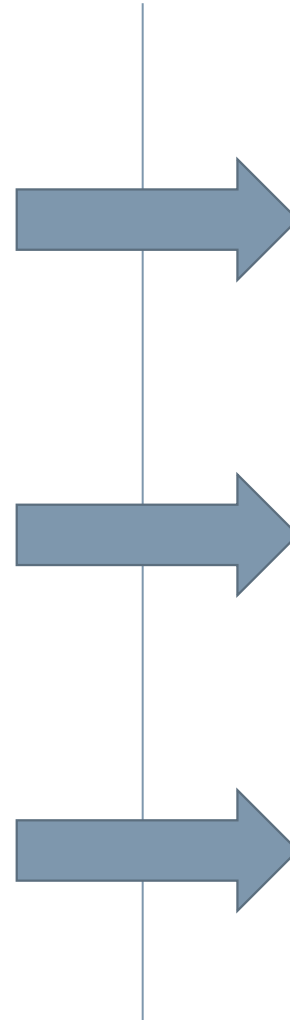
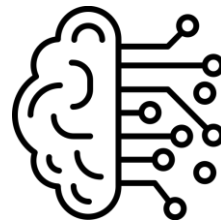
DAO long term viability theory

Governance entanglement of Infrastructure and application in DAOs

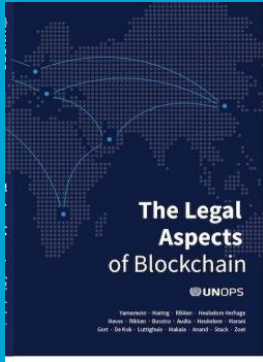


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Future scenario drivers and interdisciplinary research



Thank you – questions?



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