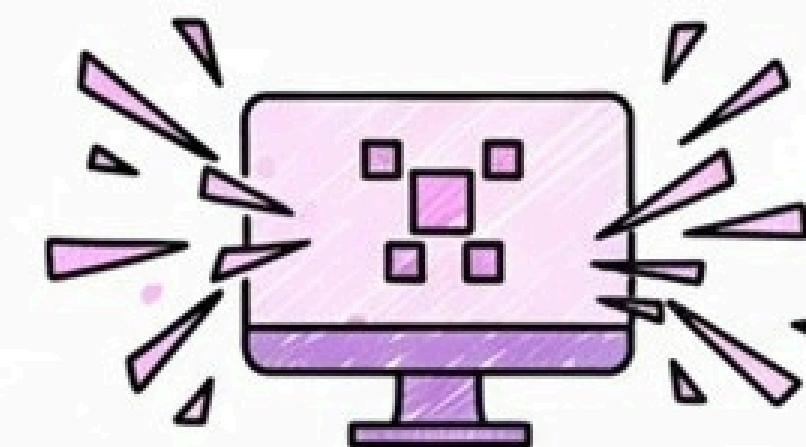


A Quantum Leap for Science

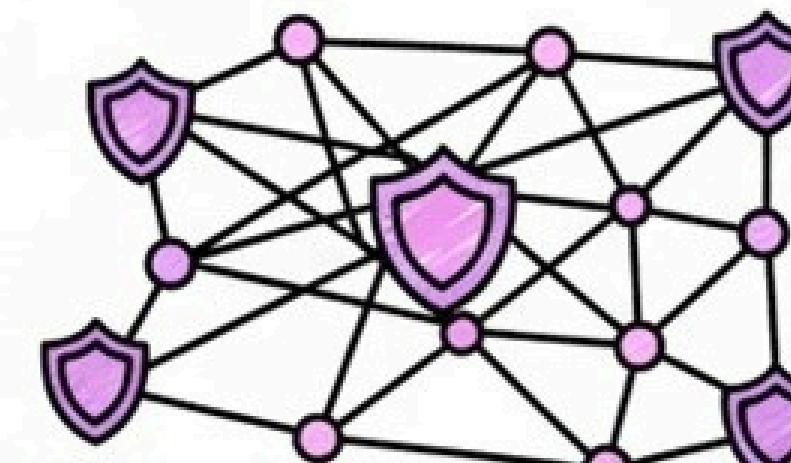
By Harsh Pandhe

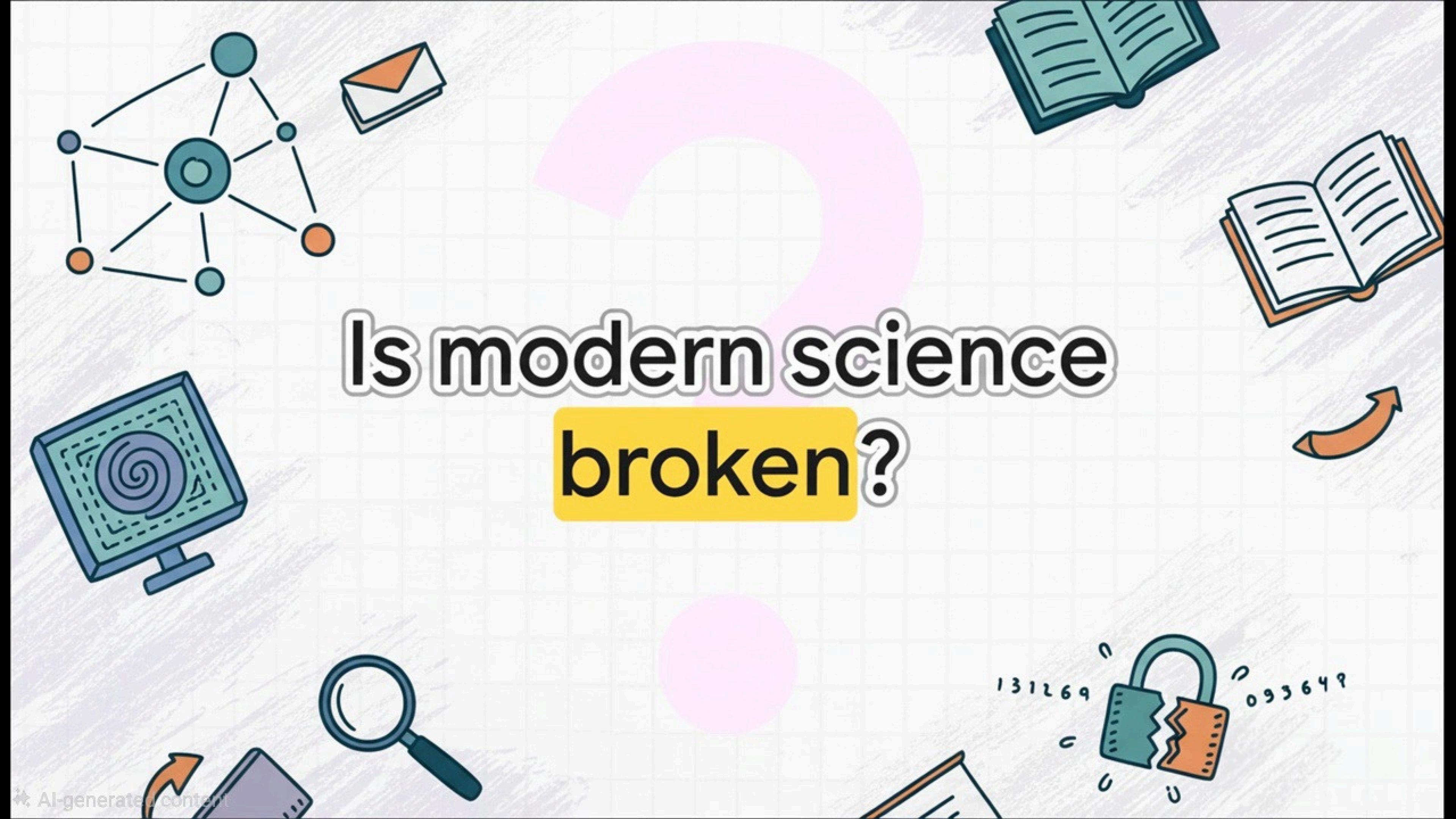


broken
publishing
system



quantum threat





Is modern science broken?



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Science's
Publishing Crisis

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The Impending
Quantum Threat

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Solving the Core
Problems

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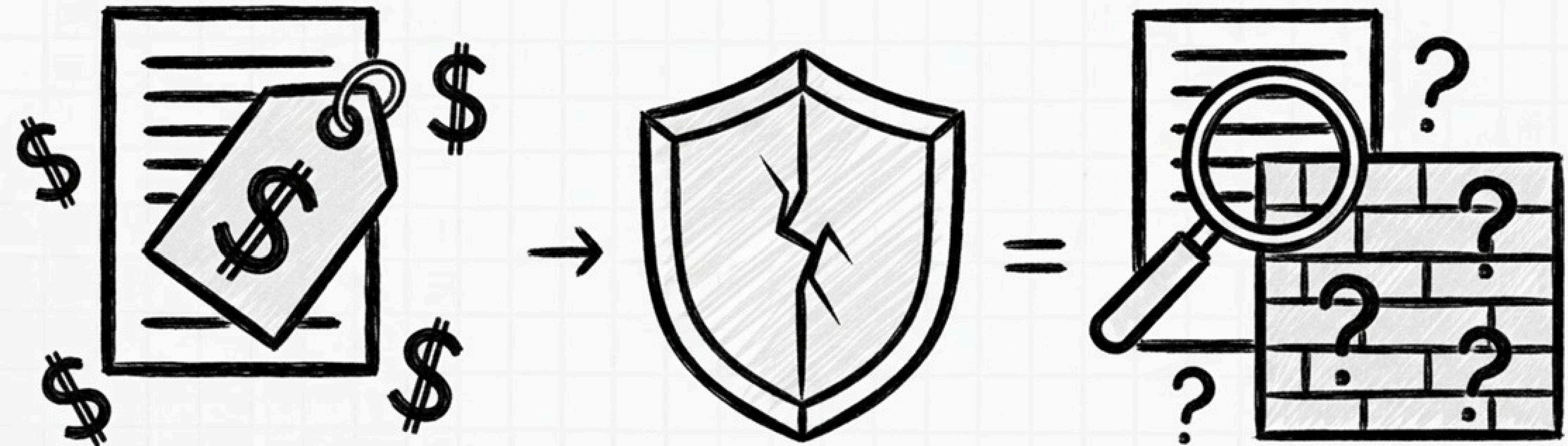
The Future of
Science?



Science's Publishing Crisis

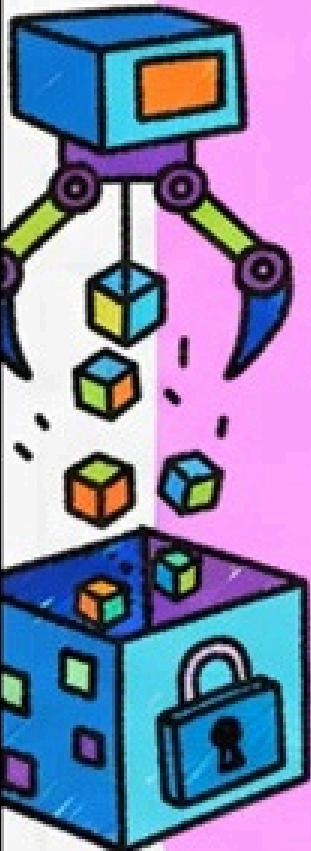
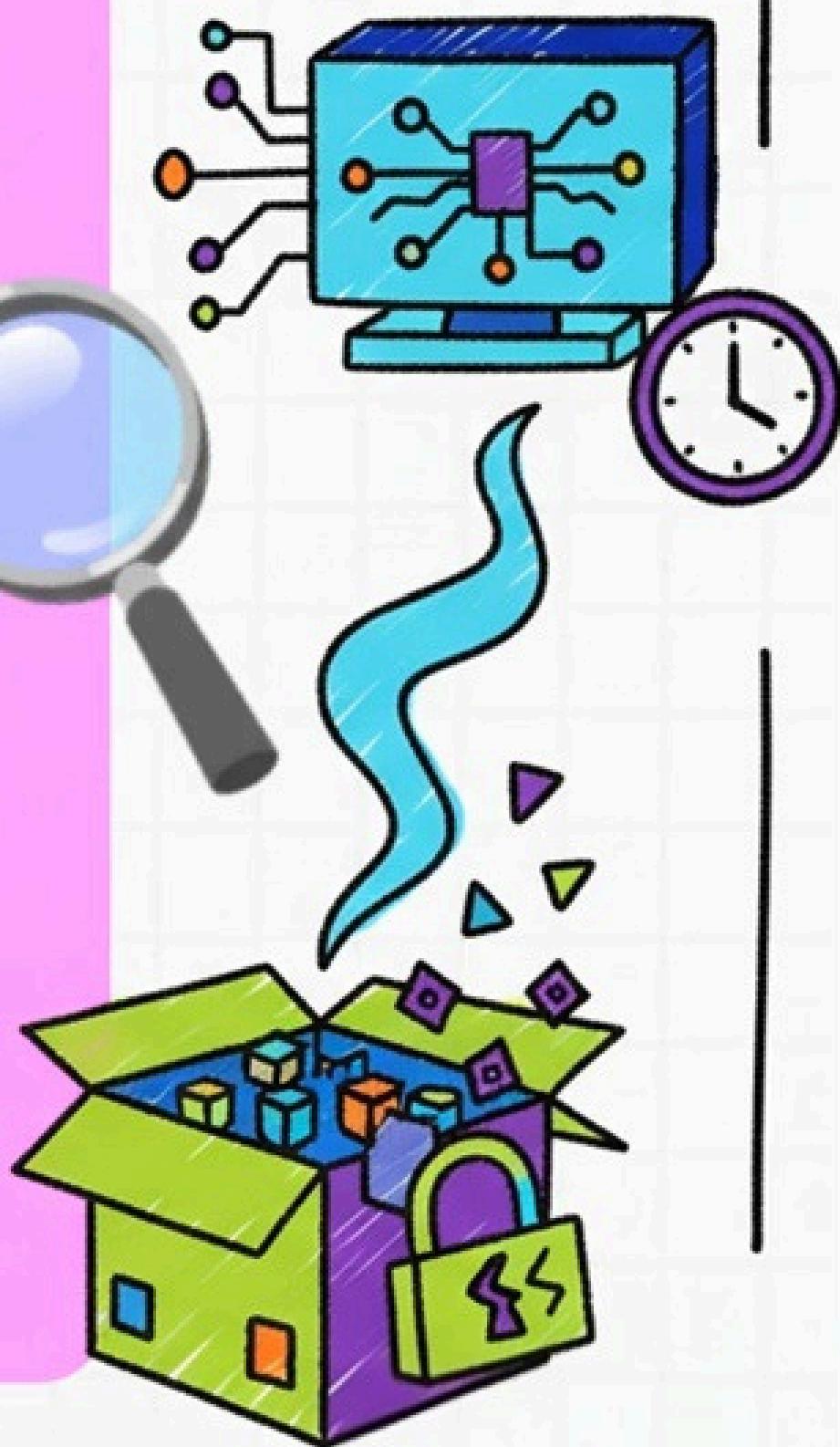
The challenges of cost and trust





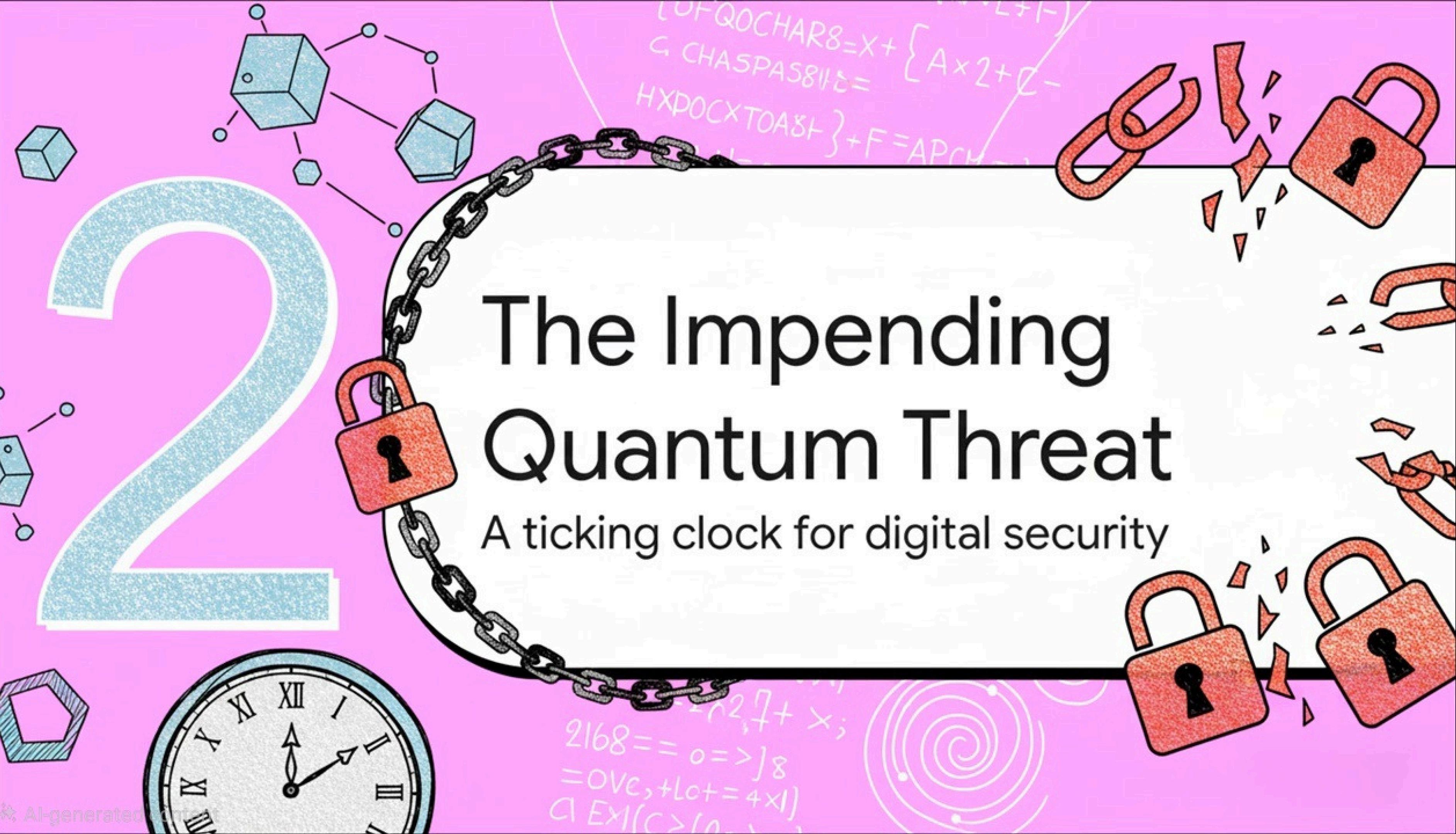
Harvest Now, Decrypt Later

Adversaries capture encrypted data today to decrypt it later with a future quantum computer.

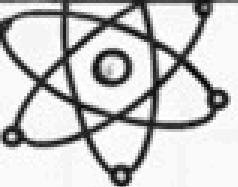


The Impending Quantum Threat

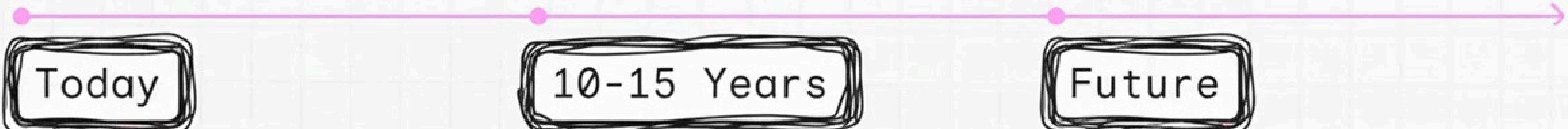
A ticking clock for digital security



$$z = (-x^2 - \bar{y})$$



The Race for Quantum Supremacy



Current encryption (RSA, ECC) is secure against classical computers.



NIST projects a quantum computer will emerge capable of breaking current encryption.

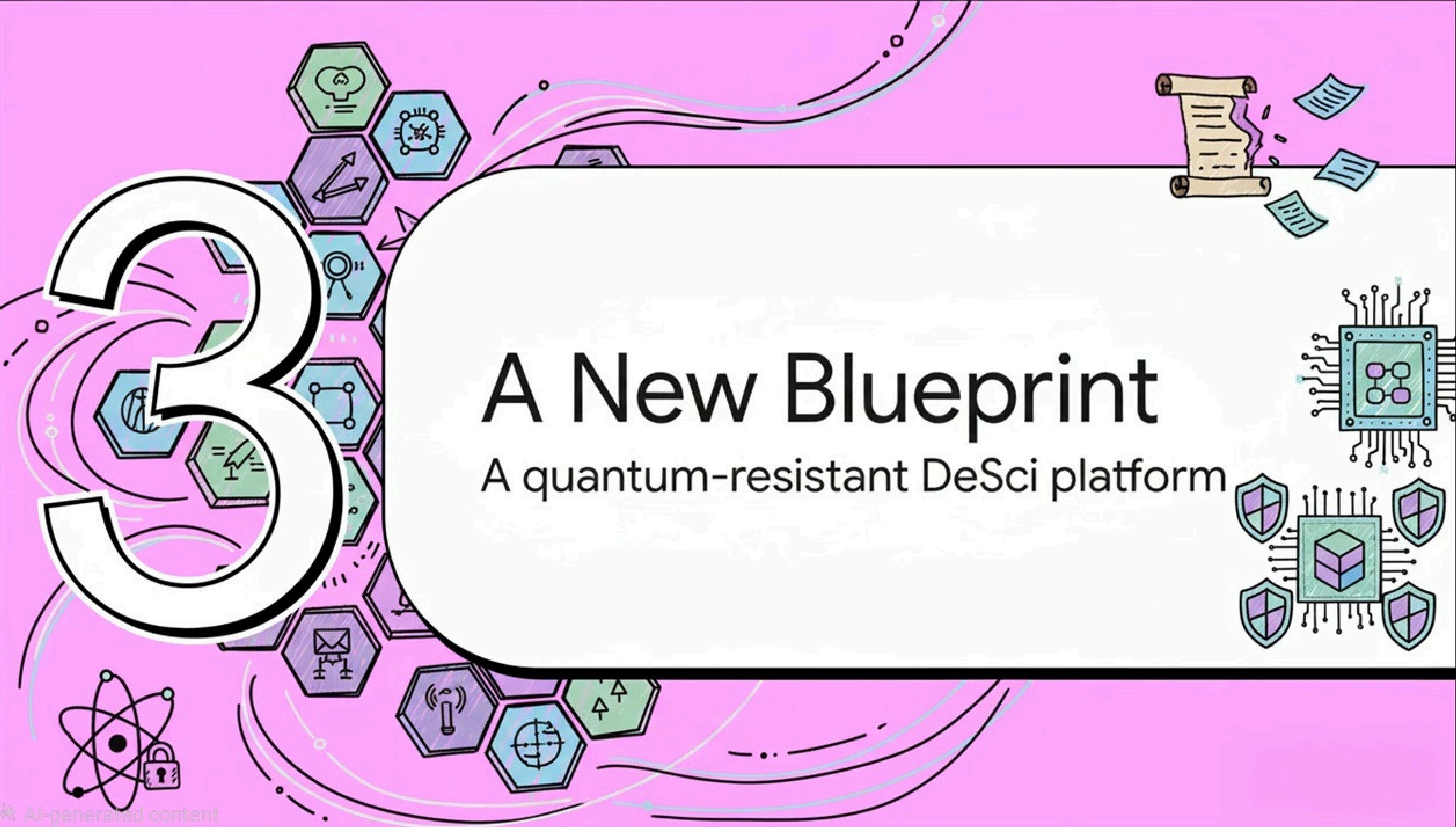


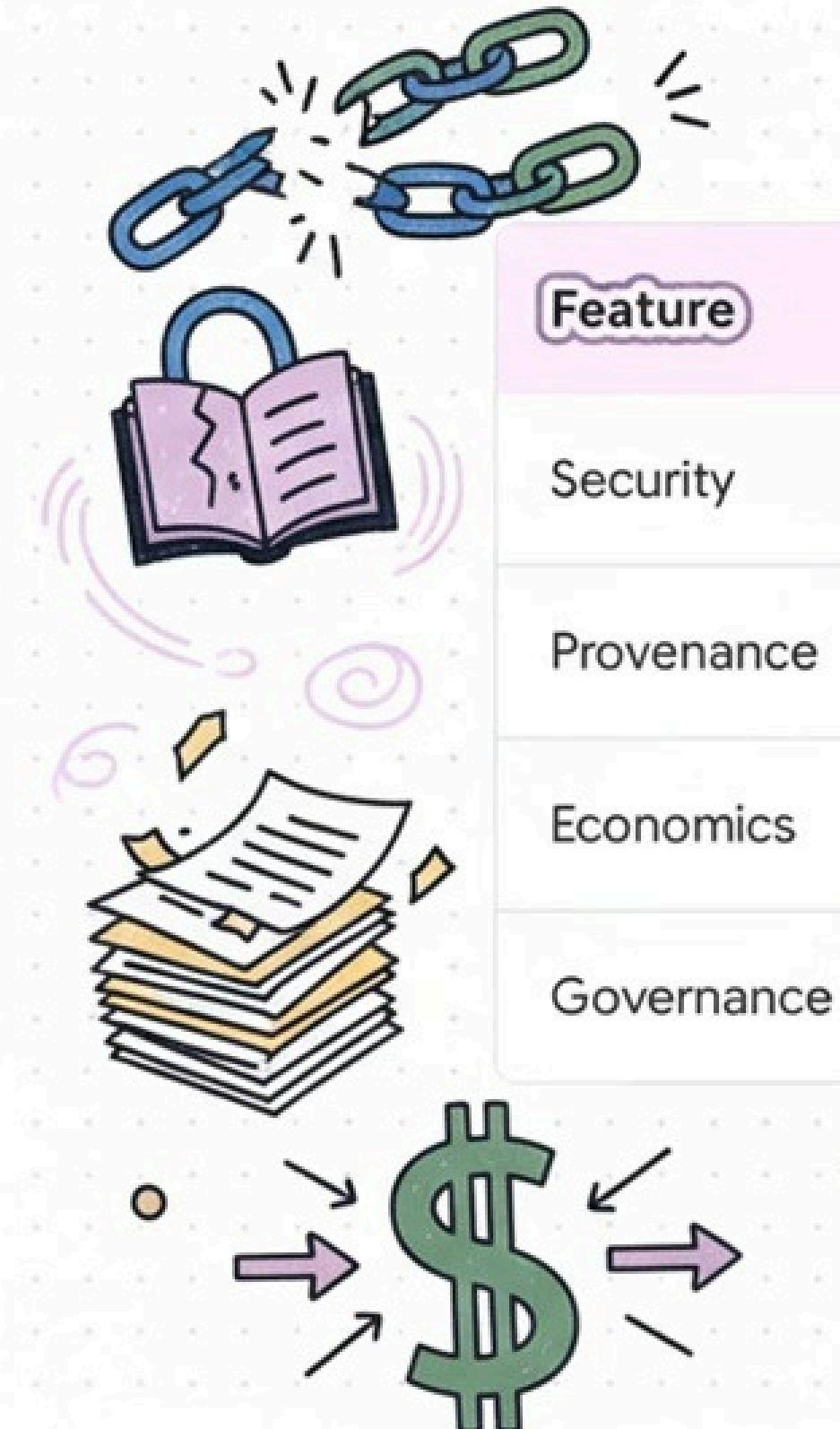
Data not protected by Post-Quantum Cryptography becomes vulnerable.



A New Blueprint

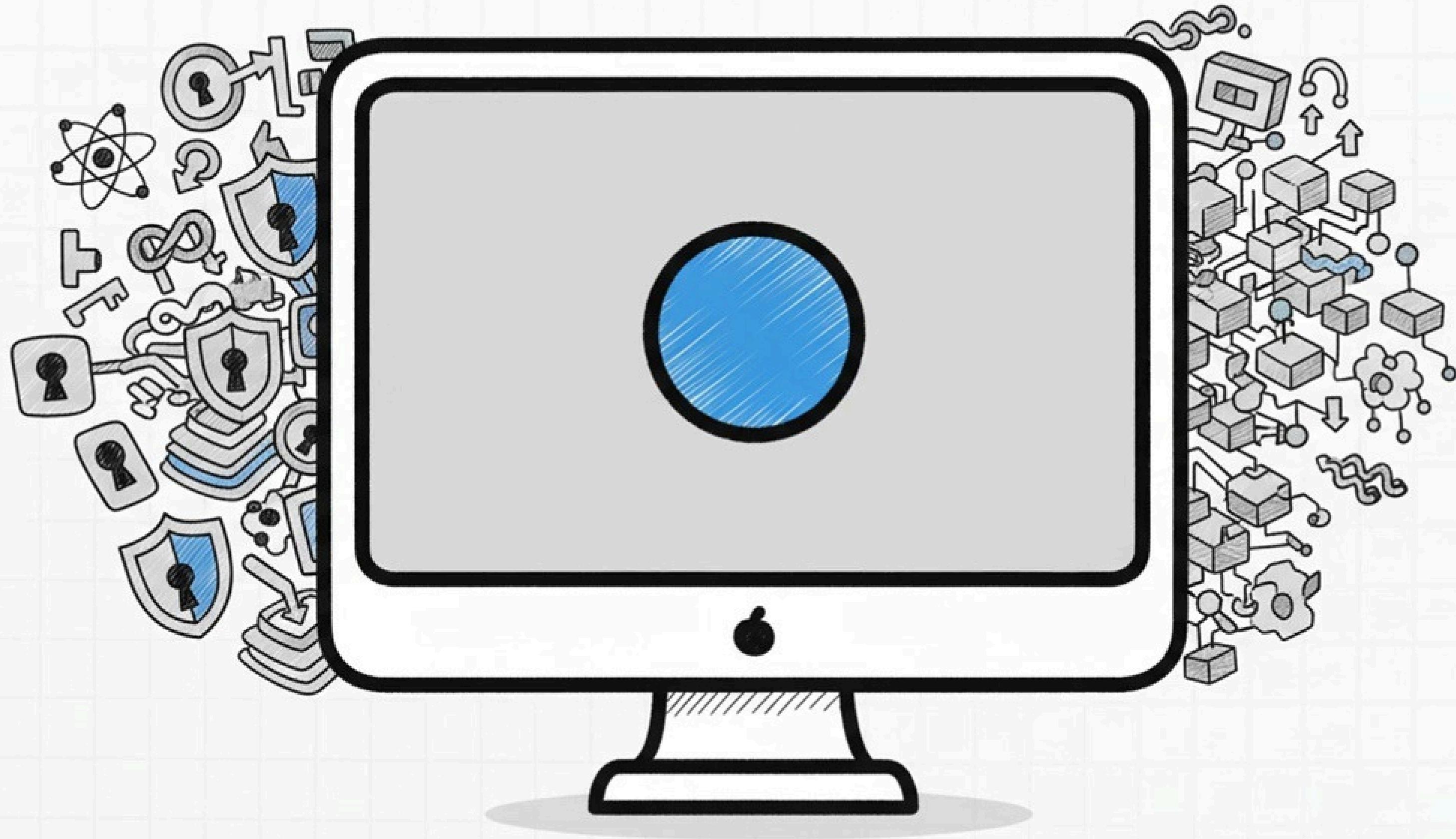
A quantum-resistant DeSci platform





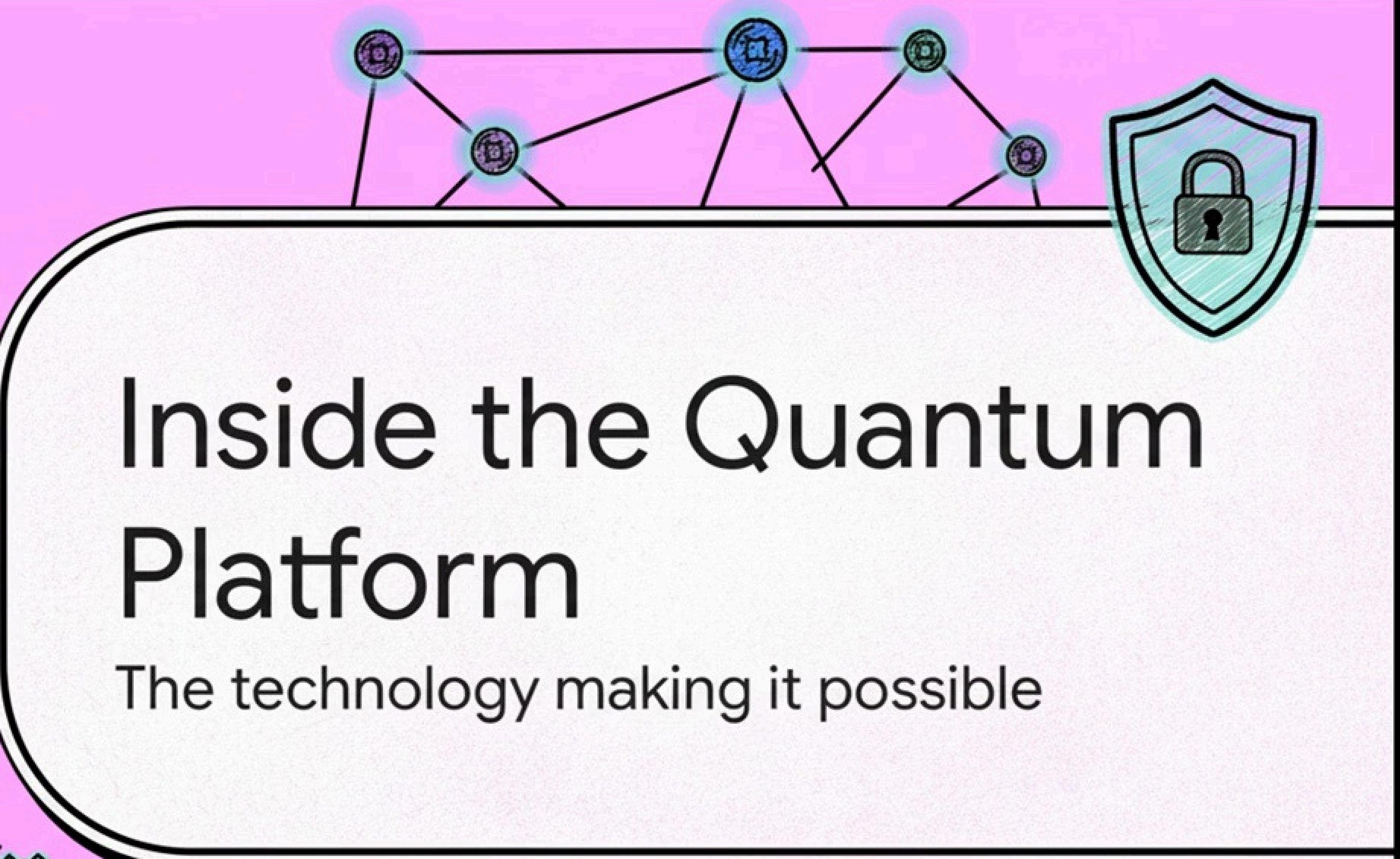
Feature	Current Systems	Proposed Platform
Security	Quantum-Vulnerable	Quantum-Resistant (PQC)
Provenance	Manuscript Only	Complete Lifecycle
Economics	Centralized, High Cost	Circular Economy
Governance	Publisher-led	Community (DAO)

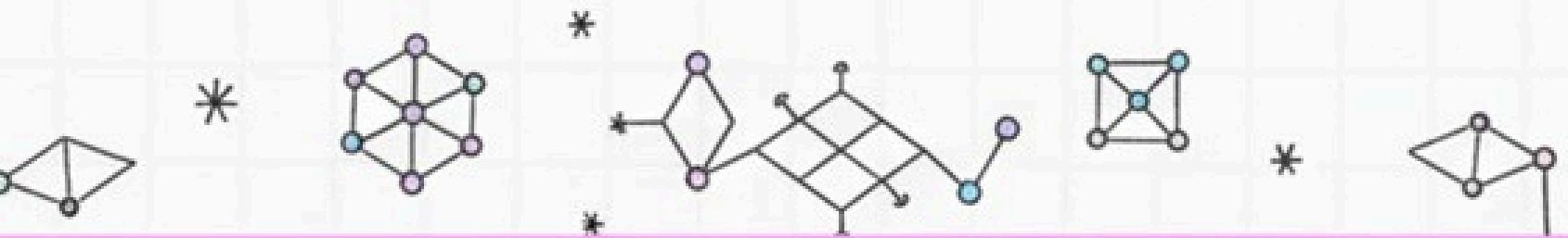




Inside the Quantum Platform

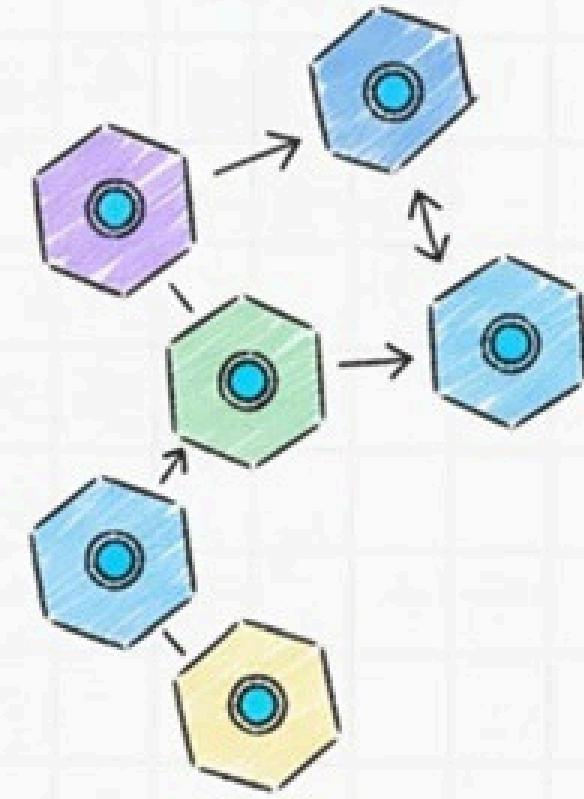
The technology making it possible





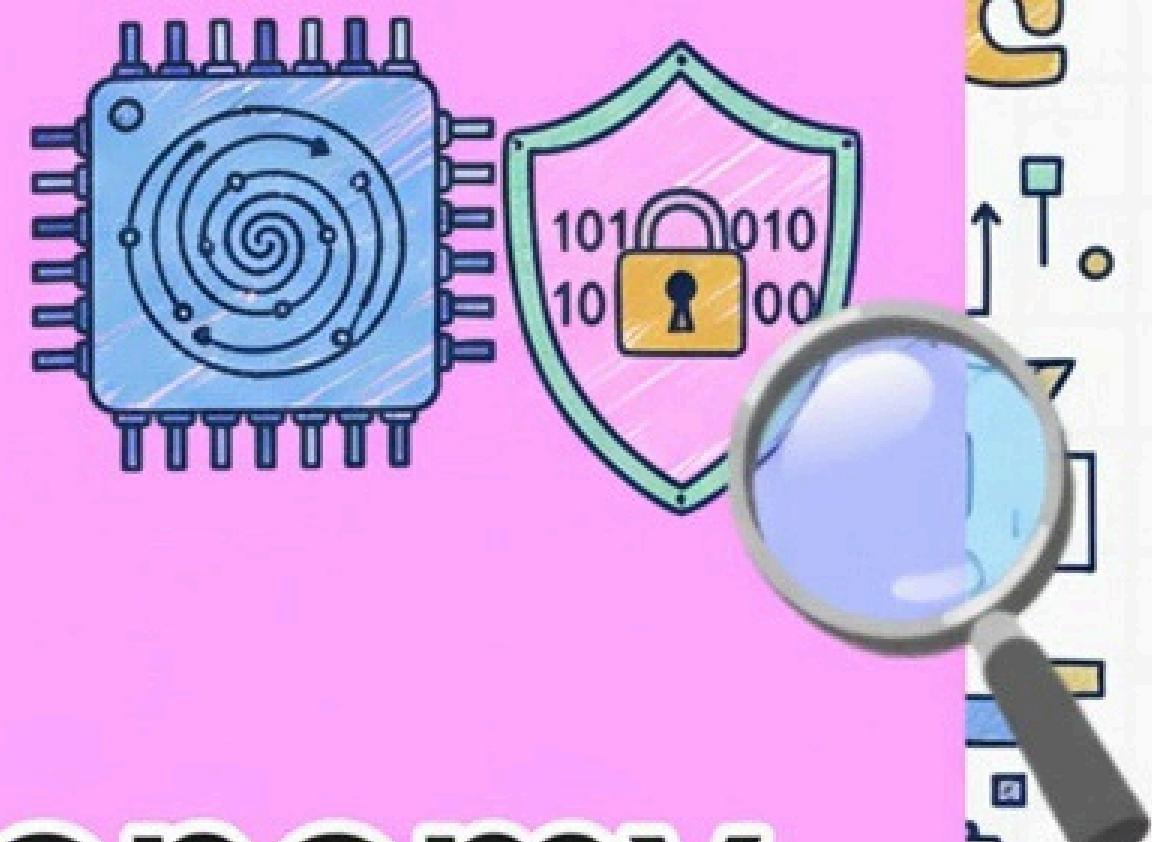
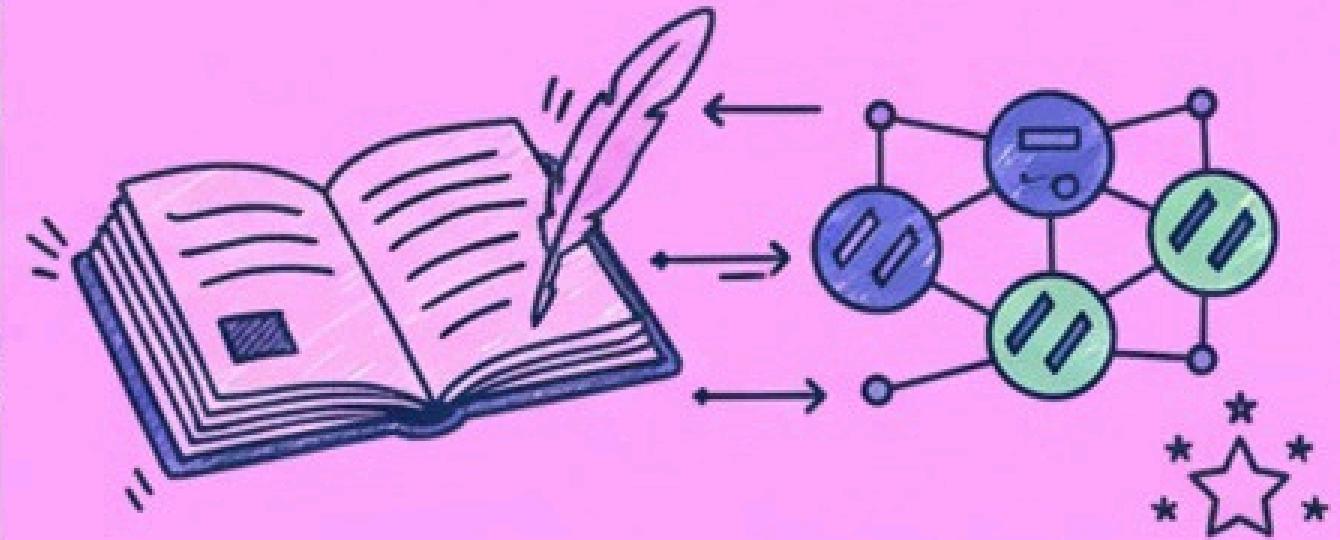
Post-Quantum Cryptography (PQC)

New encryption standards by NIST, secure against both classical and future quantum computers.



Zero-Knowledge Proofs (ZKPs)

A way to prove a claim is true (e.g., you have a PhD) without revealing the underlying private data.

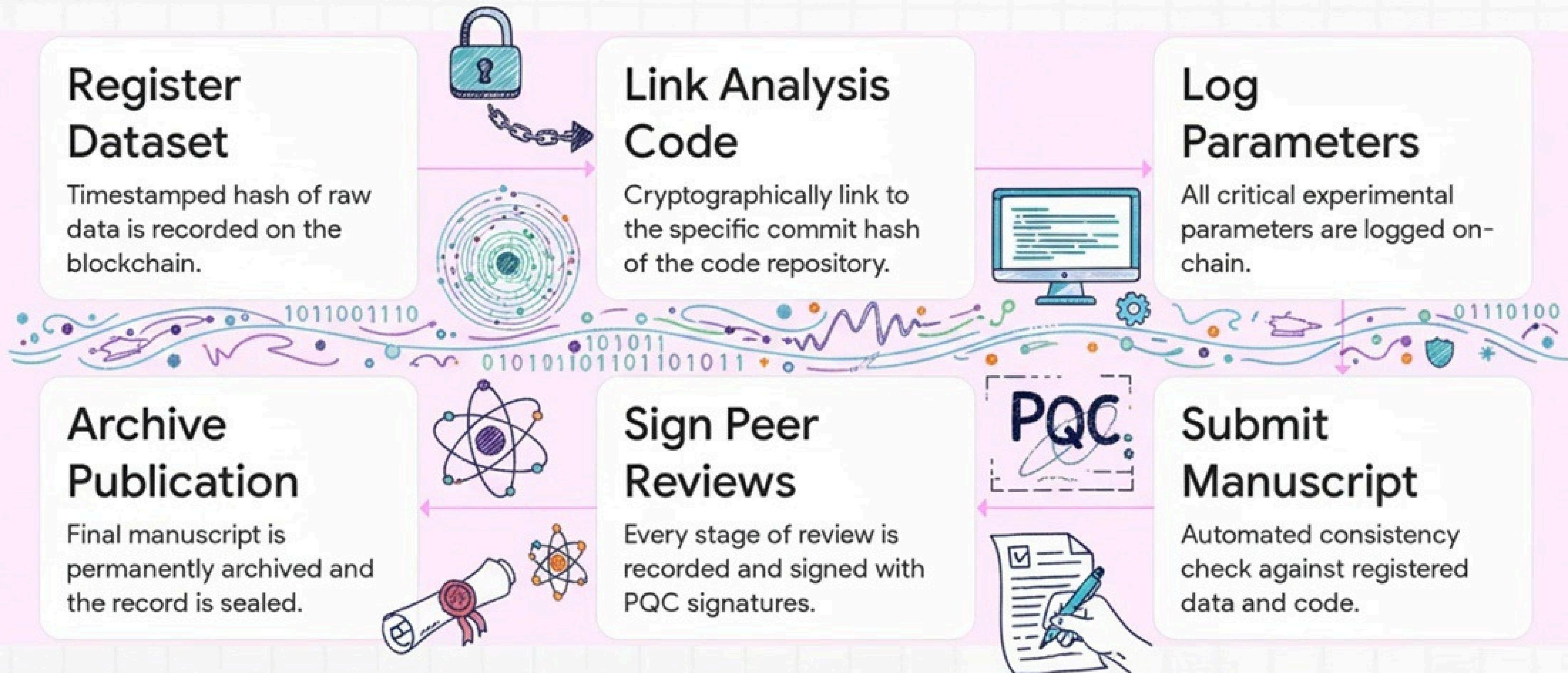


Dual-Token Economy

Uses two tokens: SCIREPUTE (a non-transferable reputation token) and SCIPUB (a utility token).



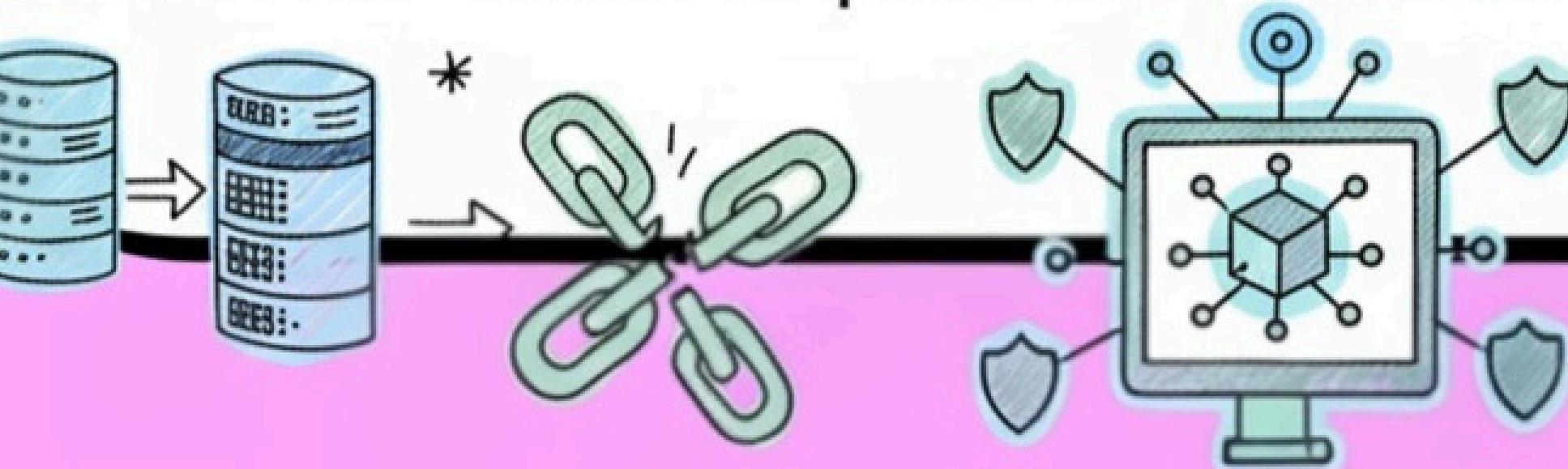
Immutable Provenance

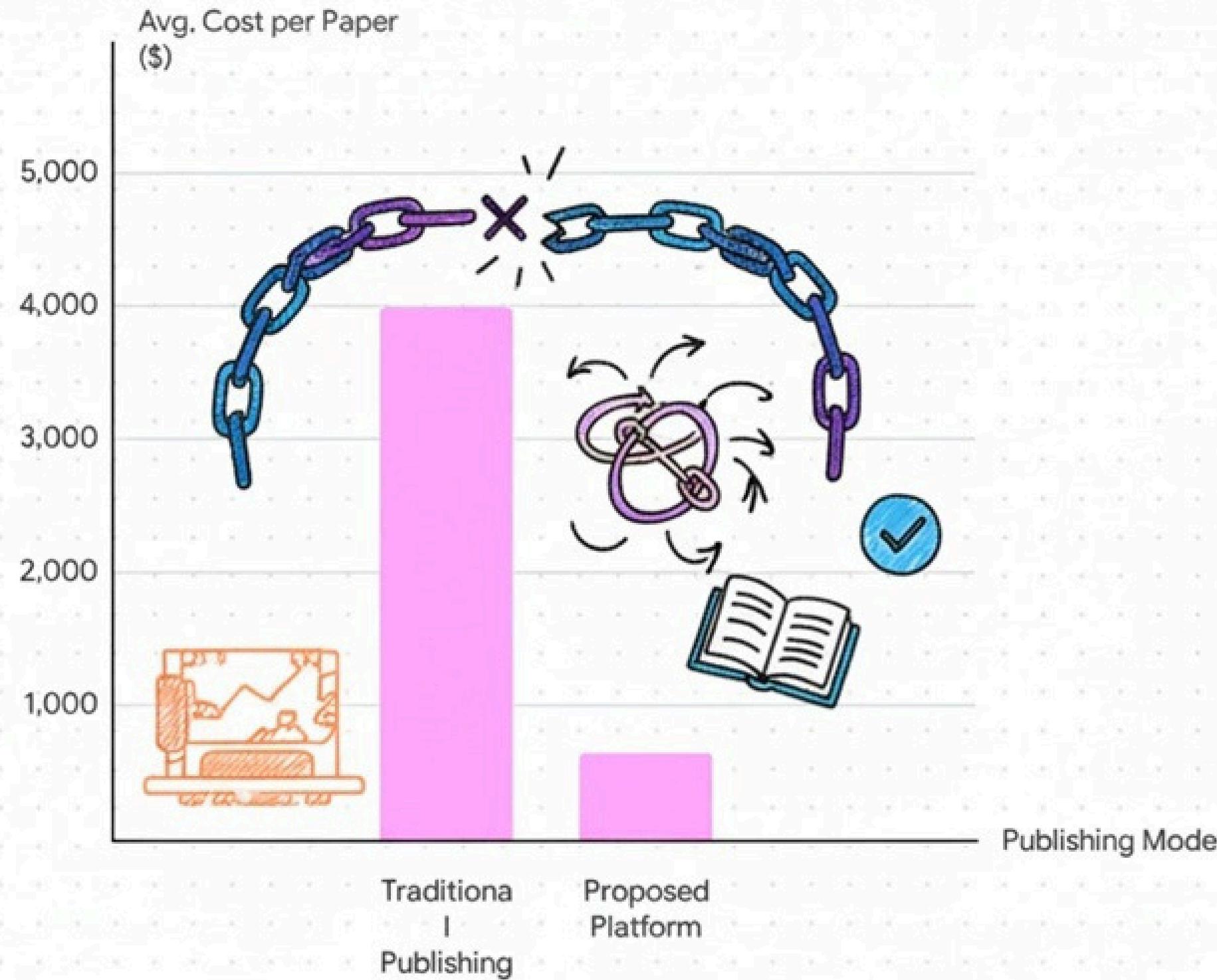


5

Solving the Core Problems

The real-world impact and benefits





By removing middlemen,
the platform projects a **78%**
reduction in publication fees.

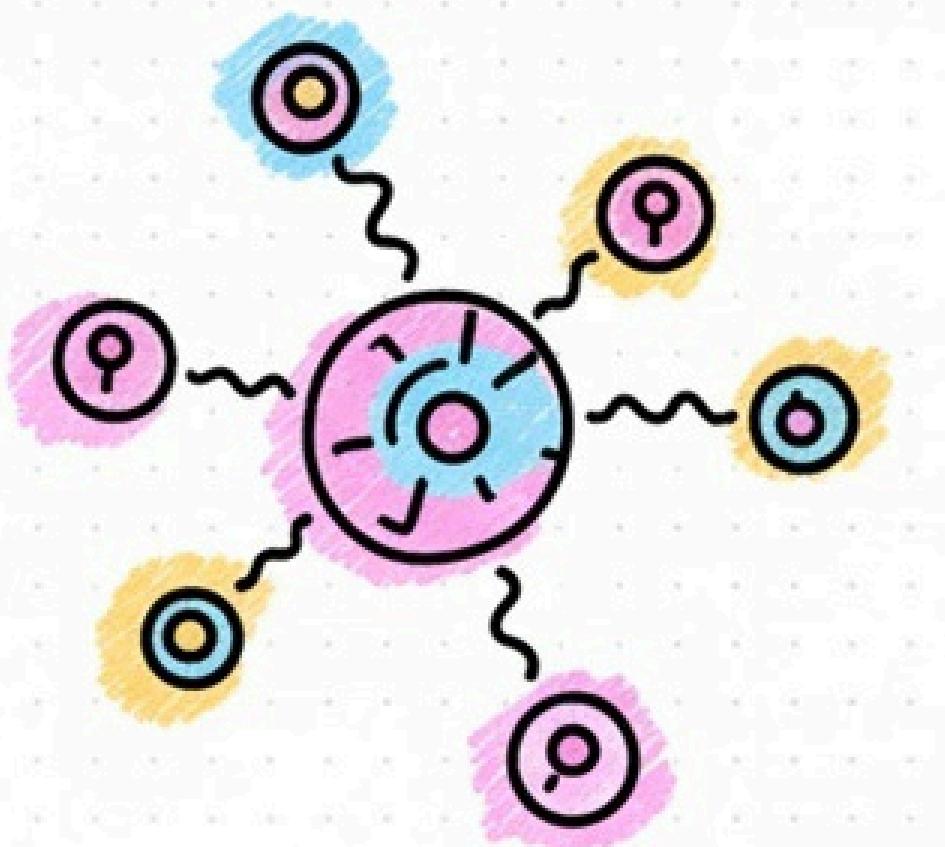




Publication fees create a **self-sustaining** economy that rewards peer reviewers for their essential work.



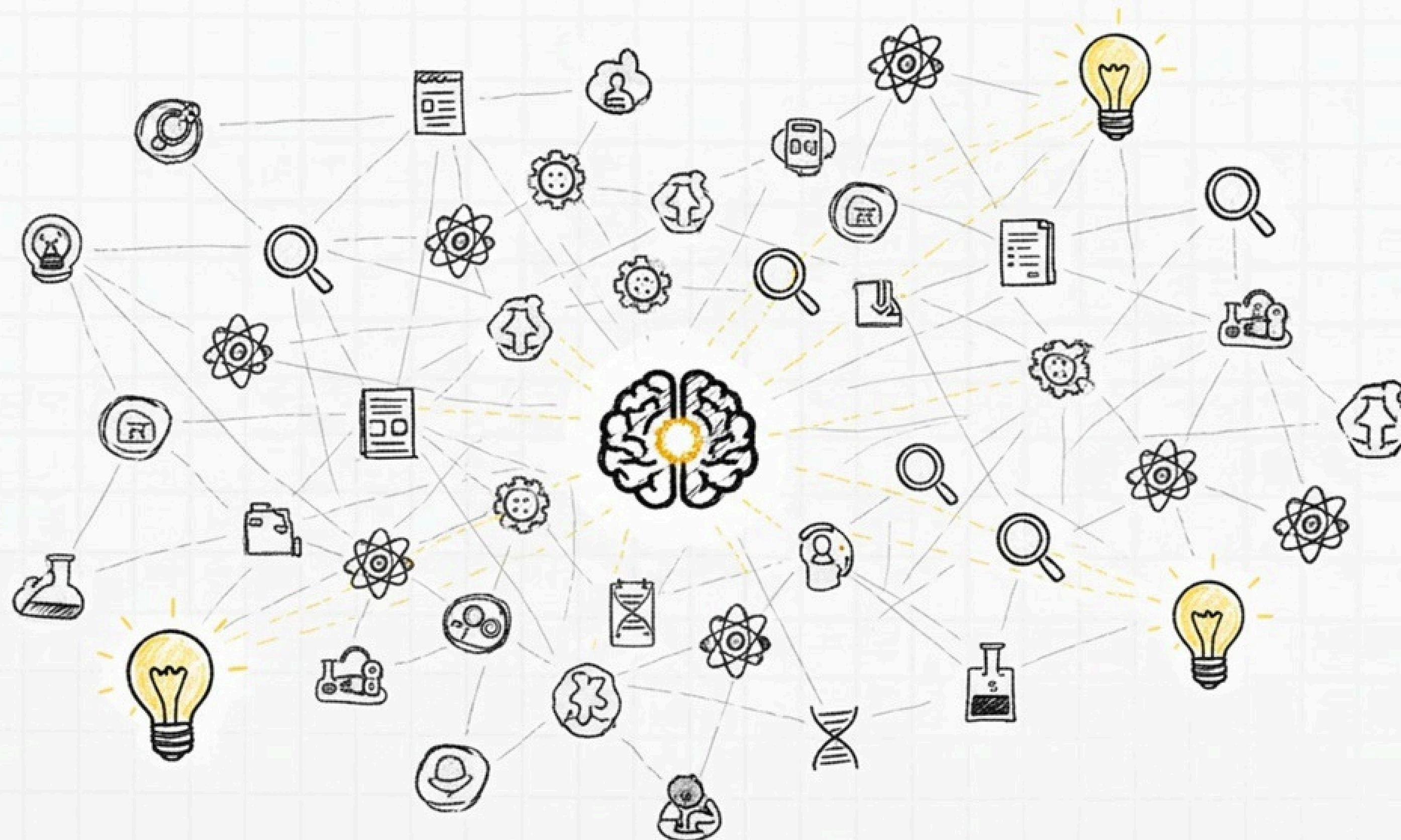
95%





The Future of Science?

Towards a global research commons



“...paving the way for a
more **transparent**,
secure, and equitable
future for scientific
dissemination.



Could this technology
restore our trust in
science?

