

**Title:** Beyond Articles: Three Pillars of Scientific Transformation

**Speakers:** Oleg Ruchayskiy

**Collection/Series:** Theory + AI Symposium

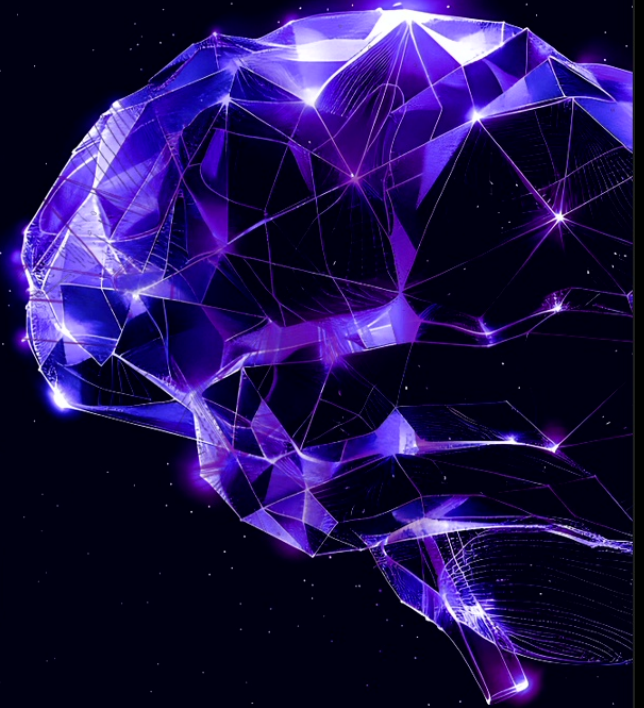
**Date:** April 08, 2025 - 1:50 PM

**URL:** <https://pirsa.org/25040067>

**Abstract:**

Scientific research is facing mounting challenges: overwhelmed reviewers, fragmented expertise, an outdated and inefficient system for allocating resources, and dissemination tools that no longer match the complexity and scale of modern scientific output. In this talk, I speak both as a researcher and as the founder of a successful startup to explore what a more coherent, future-ready scientific ecosystem could look like. Drawing on real prototypes and emerging tools, I'll outline how we might reshape the way we publish, collaborate, and share not just to fix what's broken, but to unlock what science could become tomorrow.

...● **Beyond Articles:  
Three Pillars of  
Scientific  
Transformation**





...**174 million of  
reasons to trust  
your peer review**



# ... Scientific Process is facing critical challenges

**Difficulty finding  
relevant expertise**

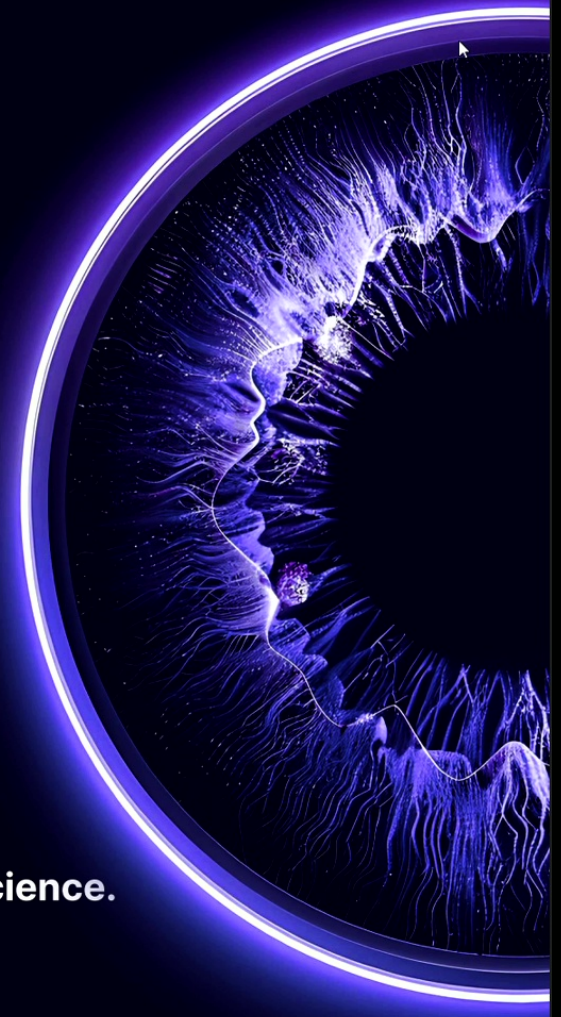
**Primitive way of  
credit attribution**

**Outdated means  
of knowledge  
dissemination**



# ... The Peer Review Hub: A Unified Orchestrator

One place to balance workloads and unite the best minds in science.







# ... A Win-Win for All

**Positive feedback loop that benefits the entire scientific ecosystem**

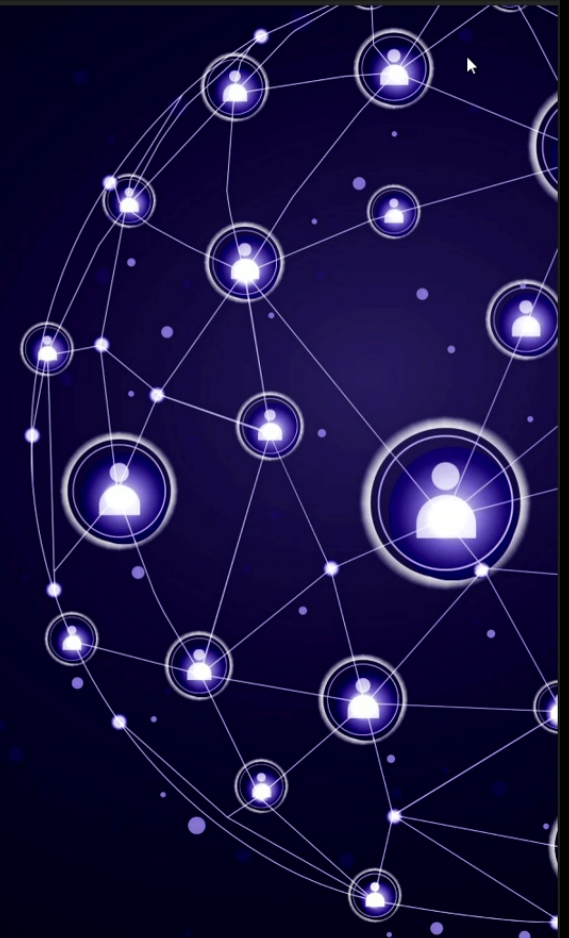
**Fewer  
spammed  
researchers**

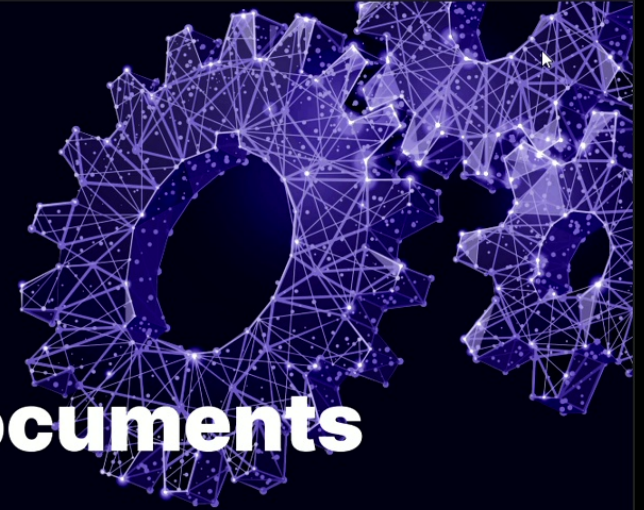
**Better  
acceptance  
rates**

**Recognition  
and credits for  
participants**



# ... Science Assistants: AI agents that represent scientific papers





# ... AI Golems:

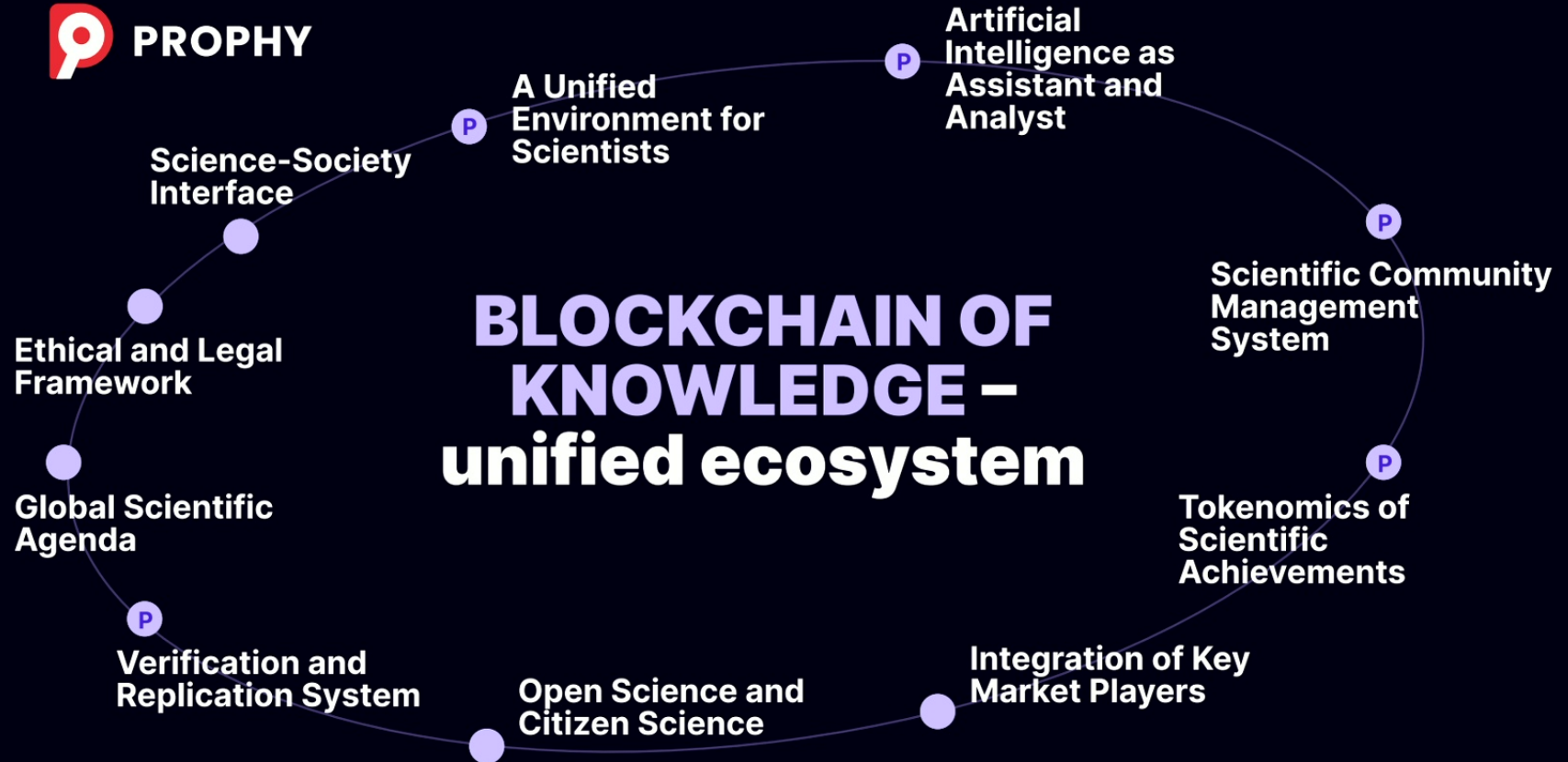
## Moving beyond passive documents to interactive knowledge

**Answering  
specific questions  
about a paper**

**Acknowledging its  
boundaries with  
"I don't know"**

**Connects with others  
to form broader  
understanding**







# ... A decentralized system for tracking all forms of scientific contribution

**Tokenomics of  
scientific  
achievements**

**Verification and  
replication system**

**Scientific community  
management**



# Prophy already has infrastructure & reputation

Papers

**174M**

Authors

**84M**

Concepts

**150k**

Top Publishers

**4 of 6**

Allocated Grants

**\$10B**



...● **Let's discuss how these three pillars can transform your scientific workflow**

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