



Decentralizing peer reviewing to increase transparency, quality and reliability



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Decentralized Science: The project



Decentralized Science

Improving the process of academic publishing through transparency

- Improving peer reviewing:
 - **quality and fairness**
 - reviewers **reliability**
 - **recognition** of reviewers



Decentralized Science

Improving the process of academic publishing

- For the **growing** Open Access publishing market
- **Extending existing tools** and building an **open ecosystem**
- **Decentralized technologies & free software**





Ledger

European Union's Horizon 2020 research
and innovation programme

Ledger Project:

- 150.000€ (Phase 1)
- 50.000 € (Phase 2)



LEDGER

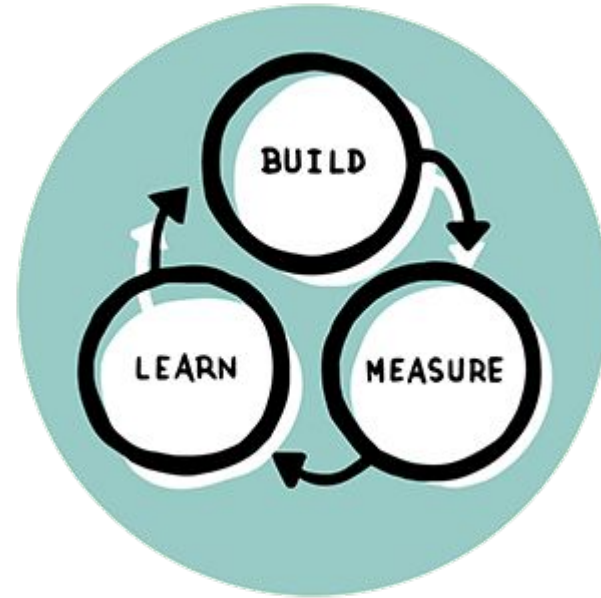


Research and design

Research

Process

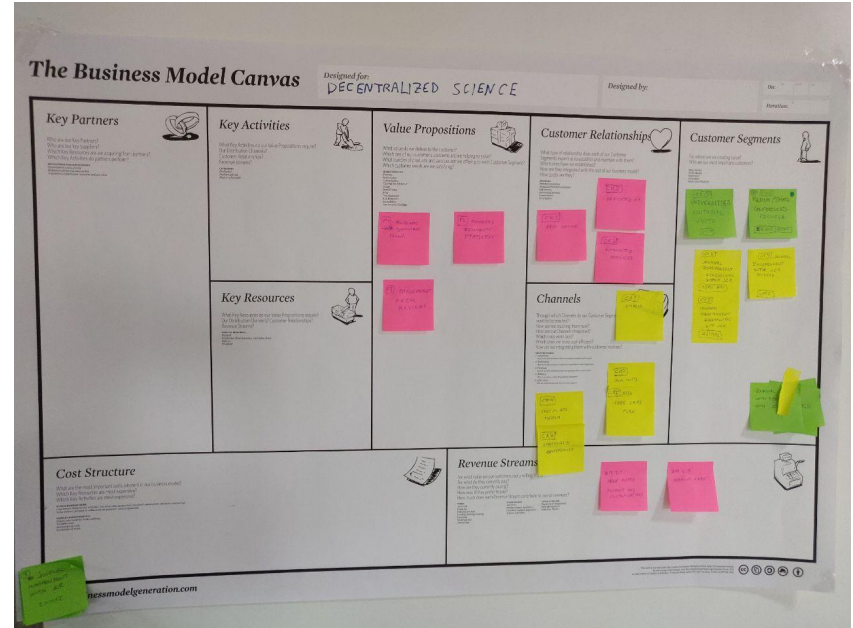
- Design Thinking
- Lean Design
- Problem interviews
 - Journals
 - Conferences
 - Associations
 - Universities
 - Reviewers



Results

Pains found

- Find reviewers for a paper
- Get them to accept to do the review
- Some reviewers don't deliver on time





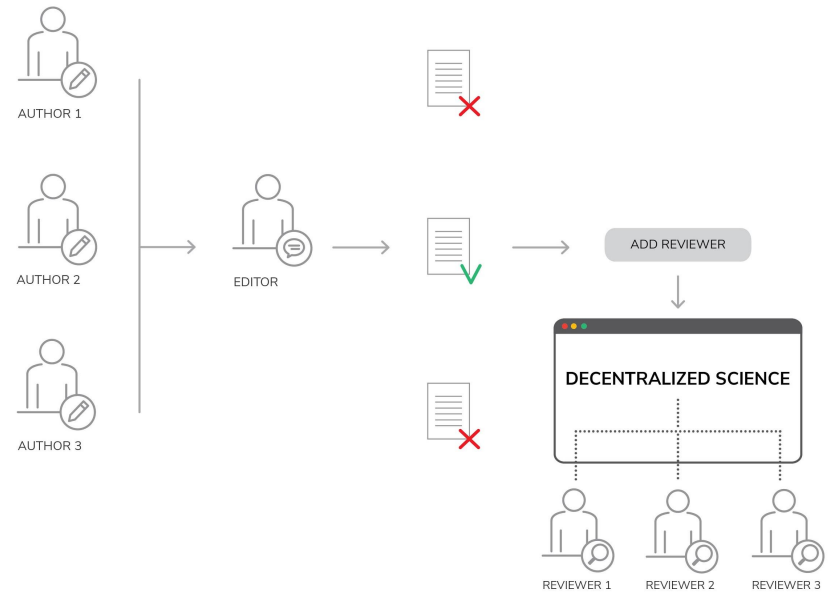
Value Proposition

Three functionalities:

- Reviewers specialized search
- Reviewers reliability statistics
- Transparent peer reviews

Integration with existing platforms

What does this mean for the future?





Mockup



Mockup. Search



Show me only unoccupied

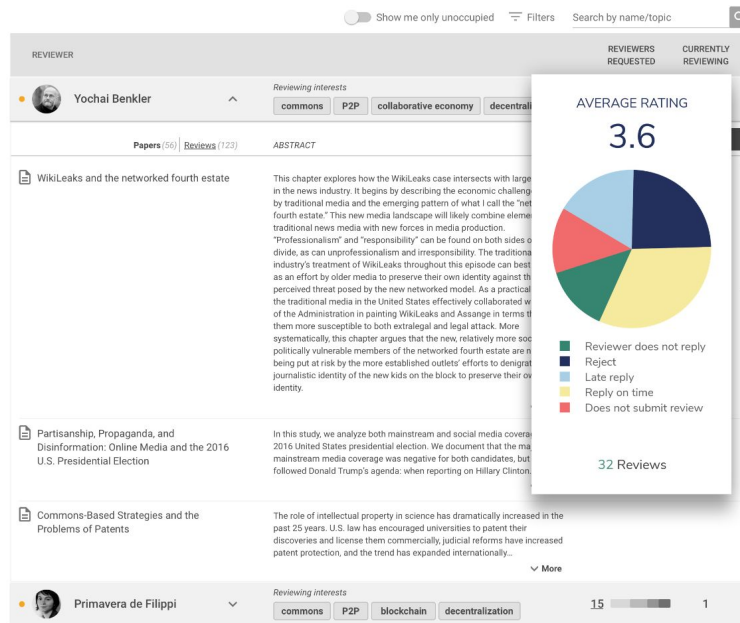


Filters

Search by name/topic



Mockup. Reliability statistics




Mockup. Transparent Peer Reviews

REVIEWER

REVIEWERS REQUESTED

CURRENTLY REVIEWING



Yochai Benkler

Reviewing interests

commons

P2P

collaborative economy

decentralization

25


2

Papers (56)

Reviews (123)

REVIEWS

REQUEST A REVIEW

 Decentralized blockchain technology and the rise of lex cryptography
A Wright, P De Filippi
Available at SSRN 2580664

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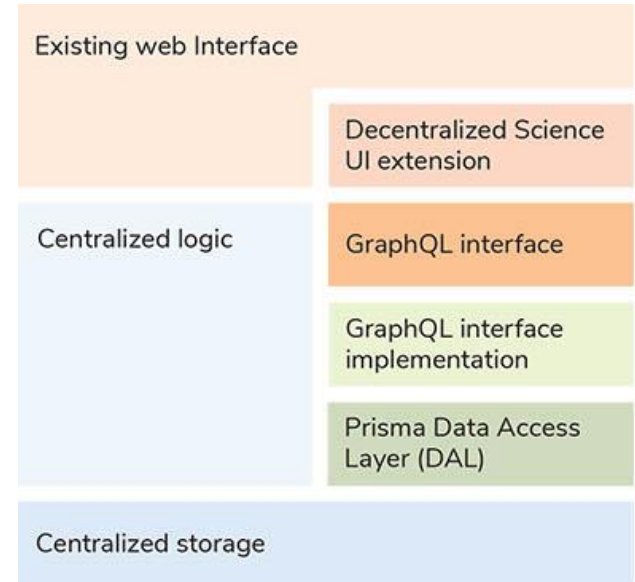
Less

Architecture

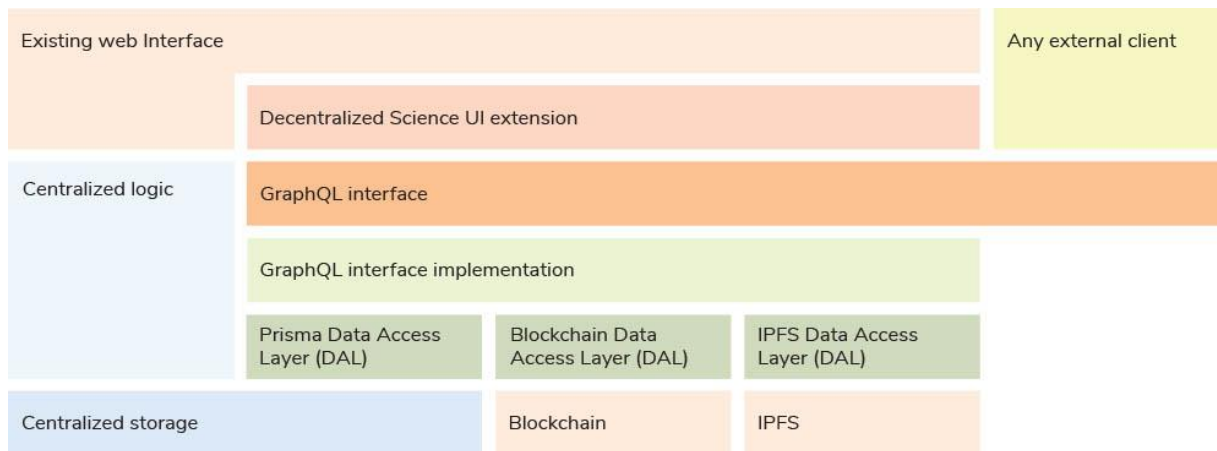


Current architecture

- UI extension
- Access system's centralized storage



Goal: decentralized ecosystem



Current situation and future



Pilots

Agile development

Currently:

- Complutense University of Madrid editorial unit
- IBERAMIA (Inteligencia Artificial journal)

You can contact us: antonio@decentralized.science



Can we learn from you?

We are looking to interview:

- Conference chairs
- People in editorial boards
- People in academic associations
- Reviewers
- ... you?

You can contact us: antonio@decentralized.science



Contact us

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