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)

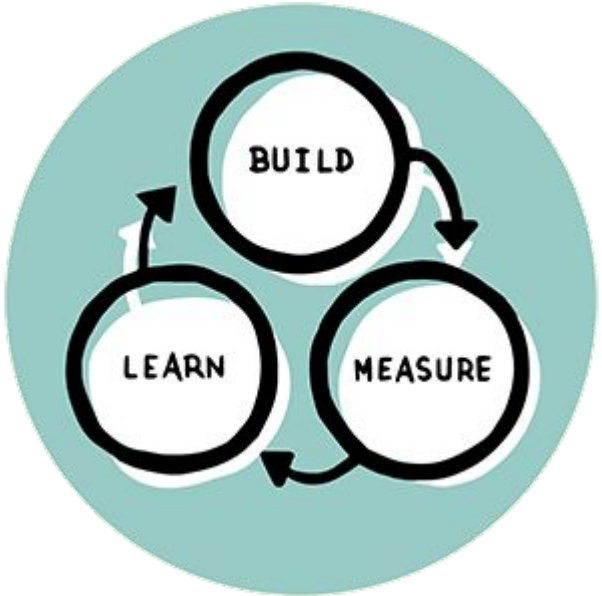
LEDGER

Research and design

Research

Process

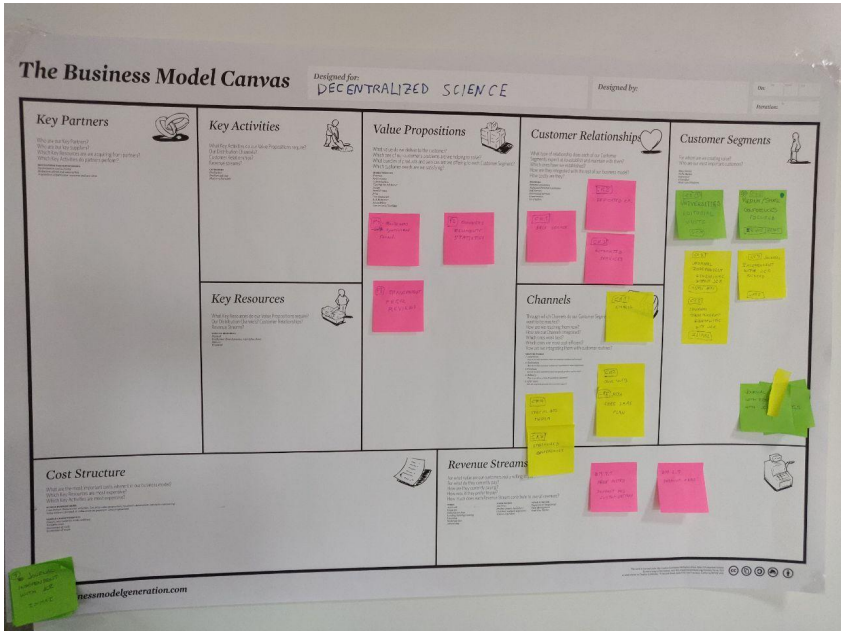
- Design Thinking
- Lean Design
- Problem interviews
    - Journals
    - Conferences
    - Associations
    - Universities
    - Reviewers



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

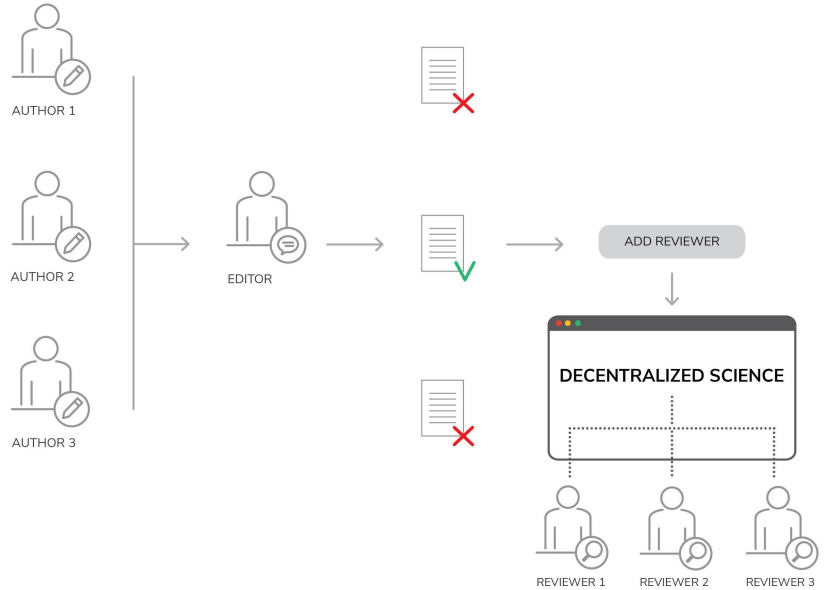
Three functionalities:

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

Integration with existing platforms

Peer reviewing process

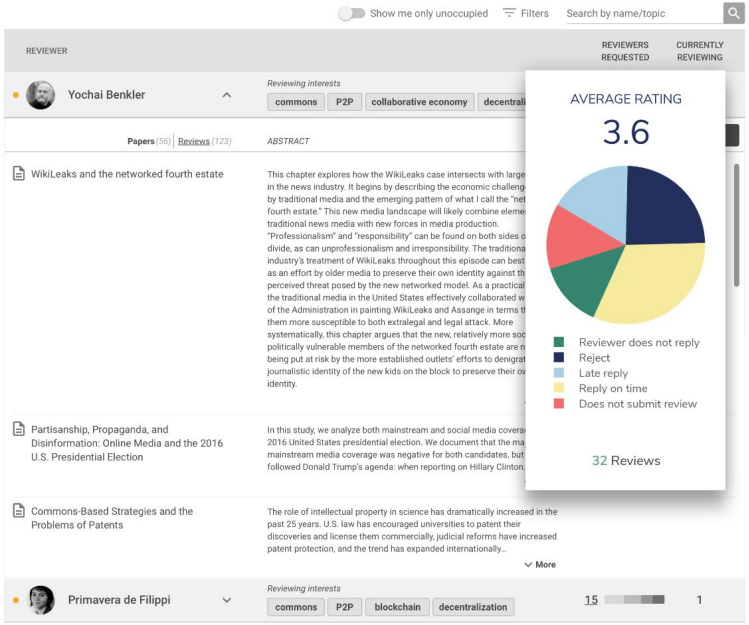
Where are we in the process?



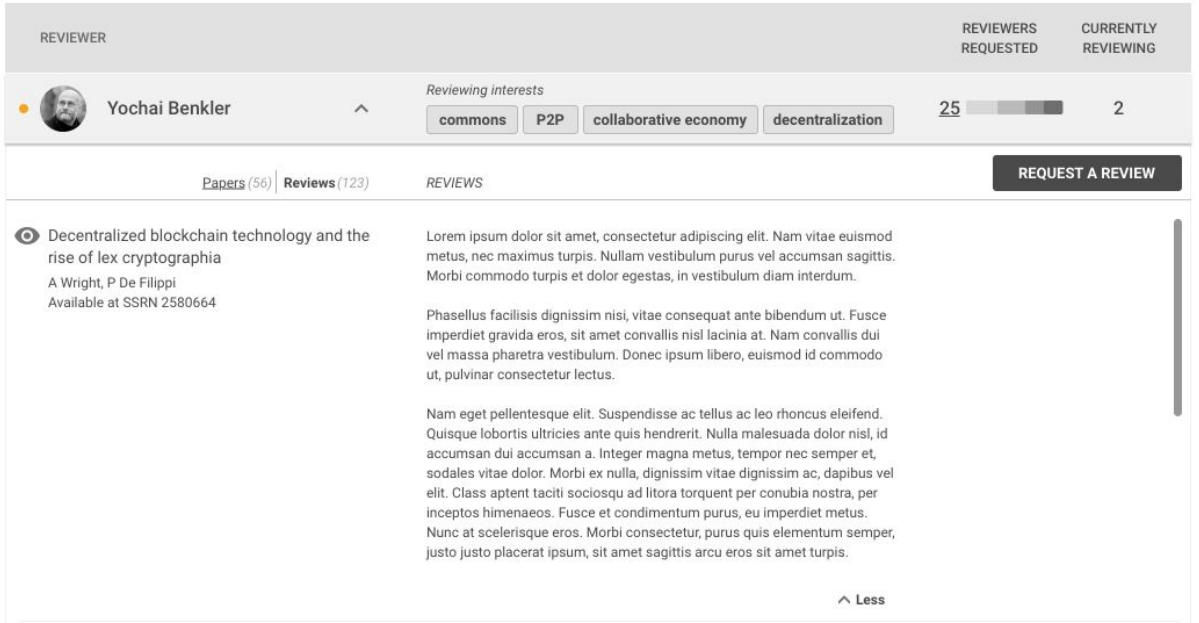
Mockup

Mockup. Search

Mockup. Reliability statistics



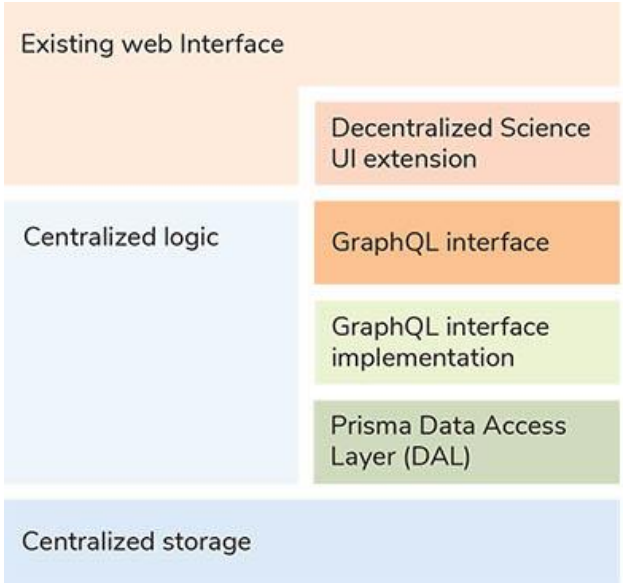
Mockup. Transparent Peer Reviews



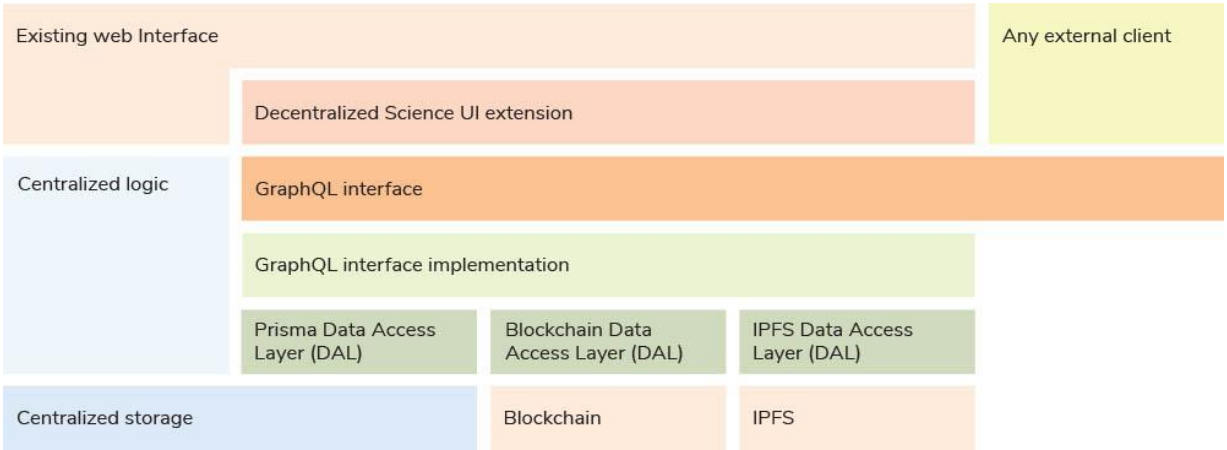
Architecture

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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