



# Wiki as an ecological system and WikiVote! technology

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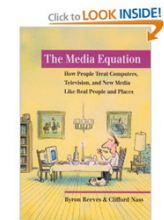
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# Global Brain for the Scientific Mind



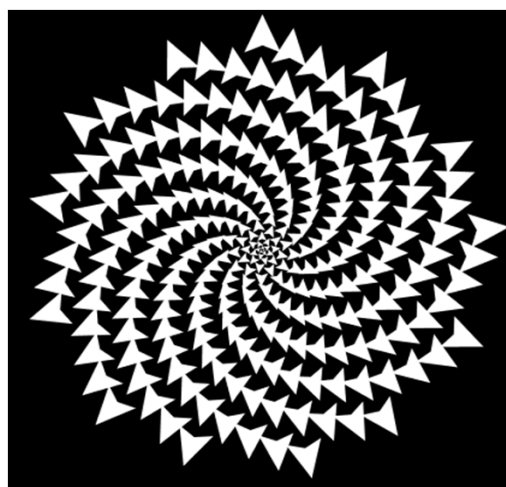
- «As we may think» together with Memex – new way of reading
- “WikiWay” of writing and editing
- MetaTransitional Theory and [Principia Cybernetica Web](#)



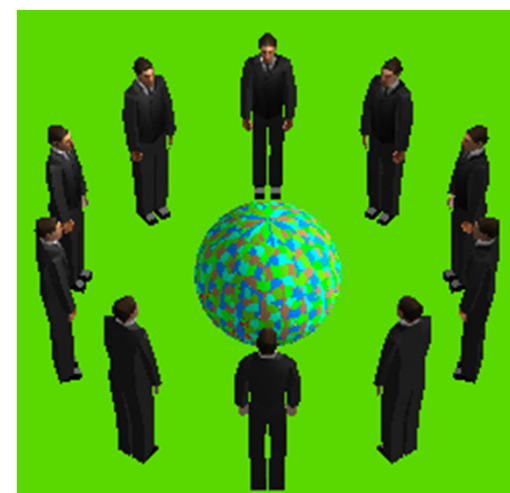
# Wiki philosophy



- Wiki is a mostly simple Editing **Hypertext System**
- Wiki is a symbol of **Participating Culture**
- Wiki as a **Social Network** with object-centered sociality



*WikiVote! 2011*



# Media for collection and creation of objects



- Wikipedia
- Educational wikis <http://letopisi.ru>
- WikiVersity <http://en.wikiversity.org/>
- WikiBooks <http://www.wikibooks.org/>
- WikiMaps <http://wikimapia.org/>
- Collaborative media editing communities (Stroom, Scratch)



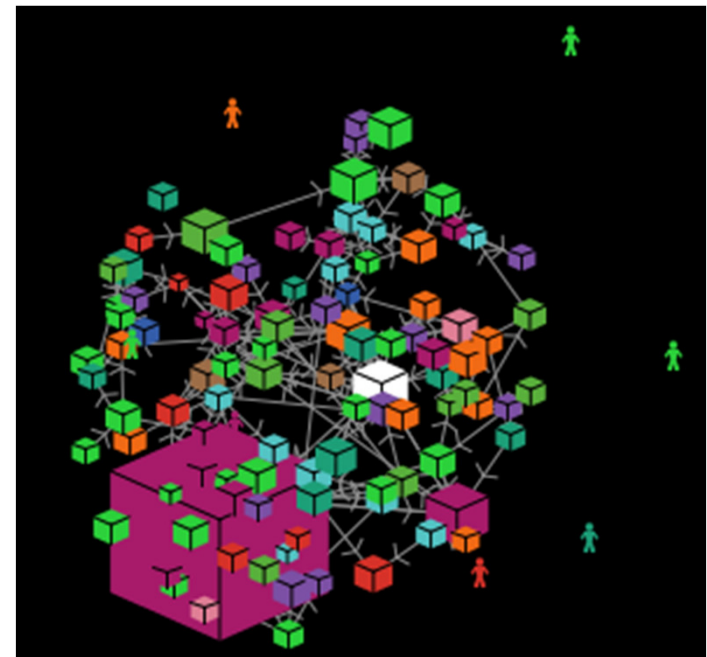
# Wiki as an ecological system



*Unit that includes all of the organisms interacting with the physical environment so that a flow of energy leads to clearly defined trophic structure, biotic diversity, and material cycles within the system is an ecosystem.*

## **Wiki is virtual ecosystem:**

- Community of Agents
- Environment of pages
- Network of linked objects and agents



# Environment for Research



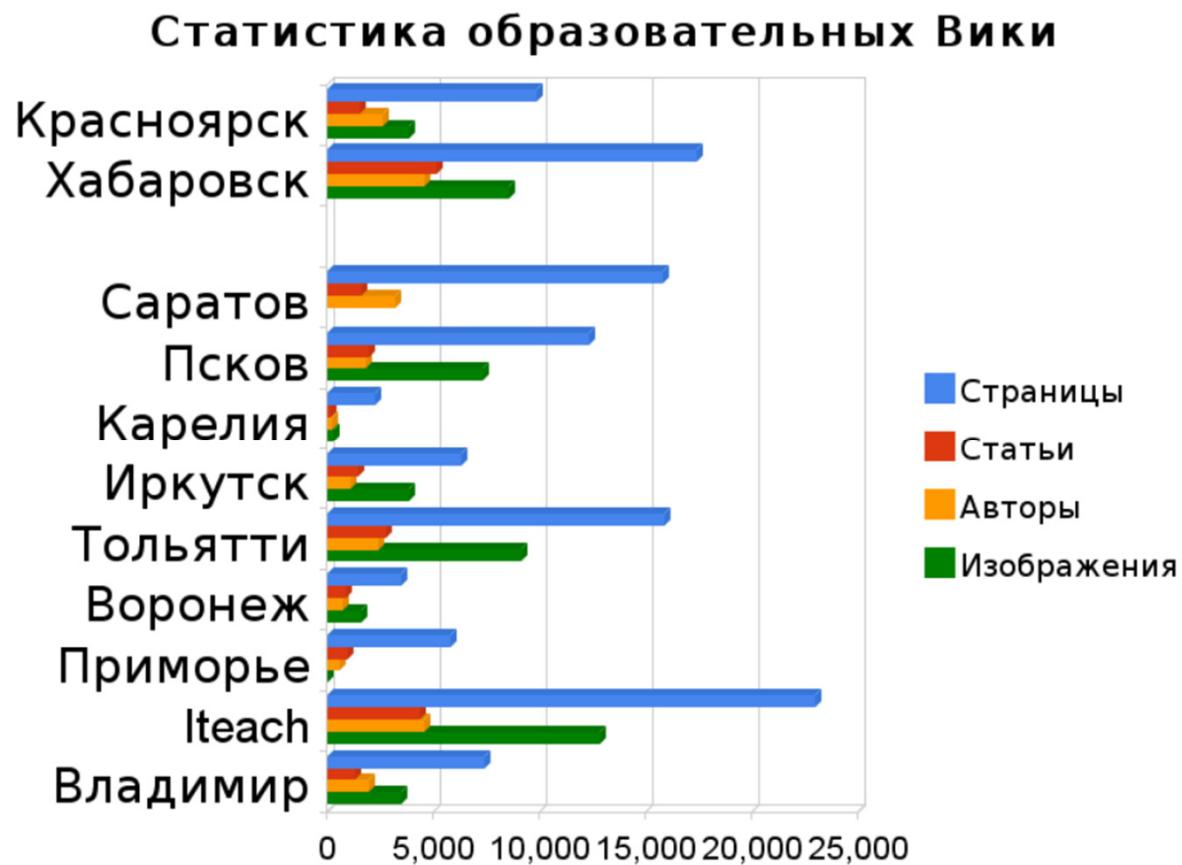
There is no need to go to a forest. We have a lot of data for analysis here. And no need for interviews and questions



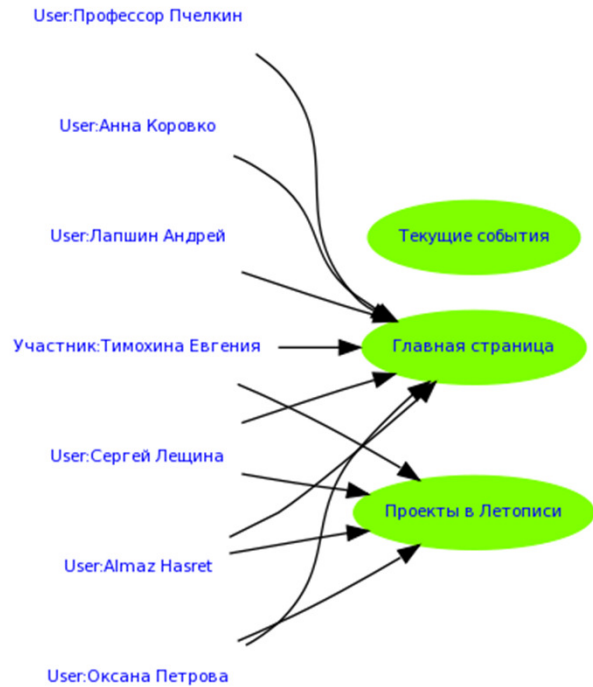
# Research: Analysis of numerical data



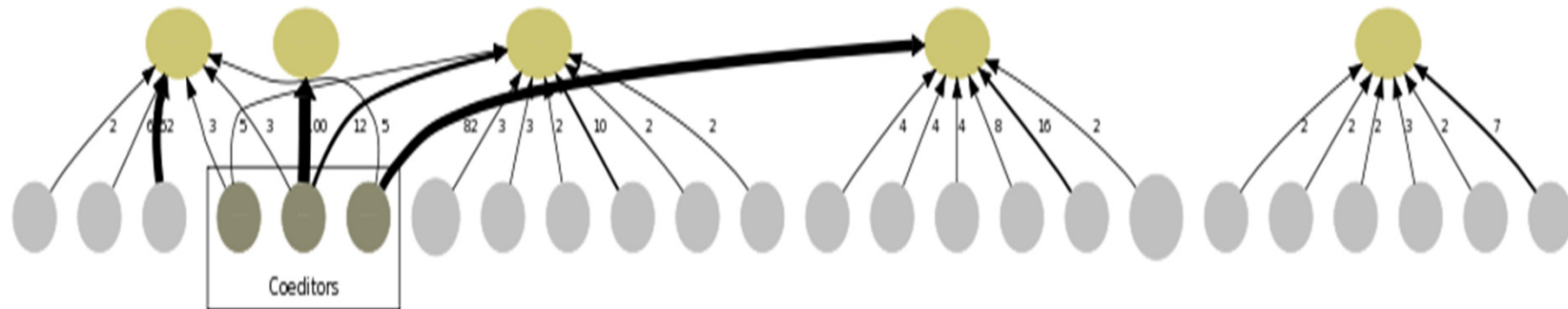
- All quantitative data from the sites are open



# Research: Analysis of connections

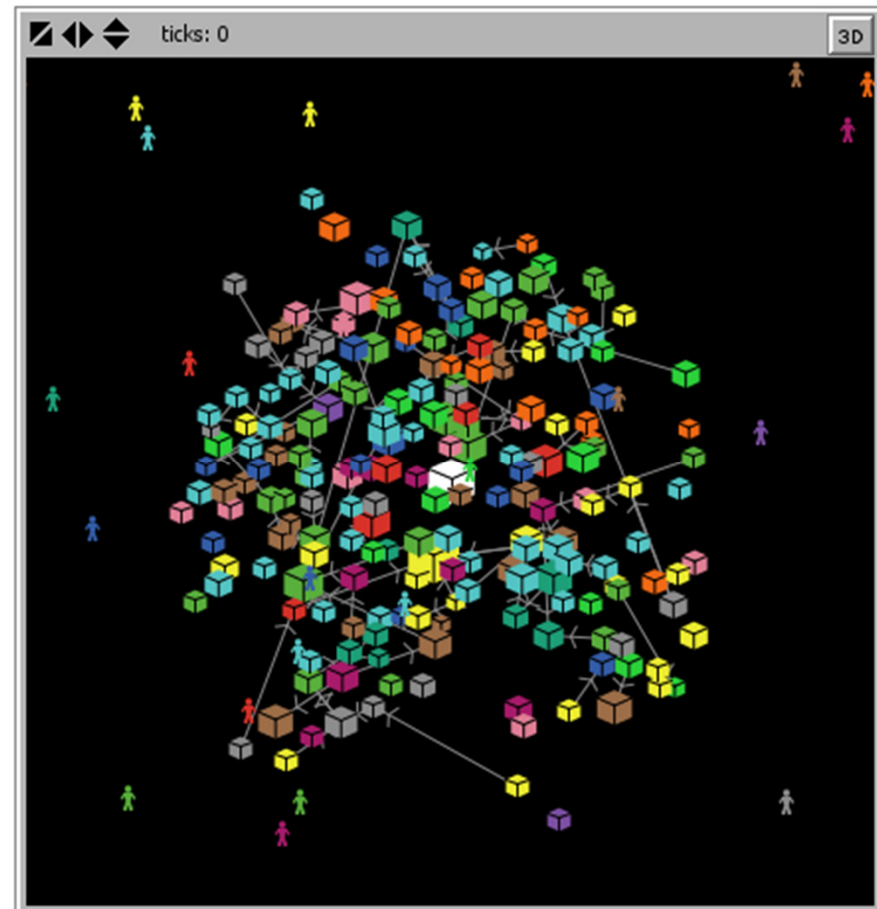
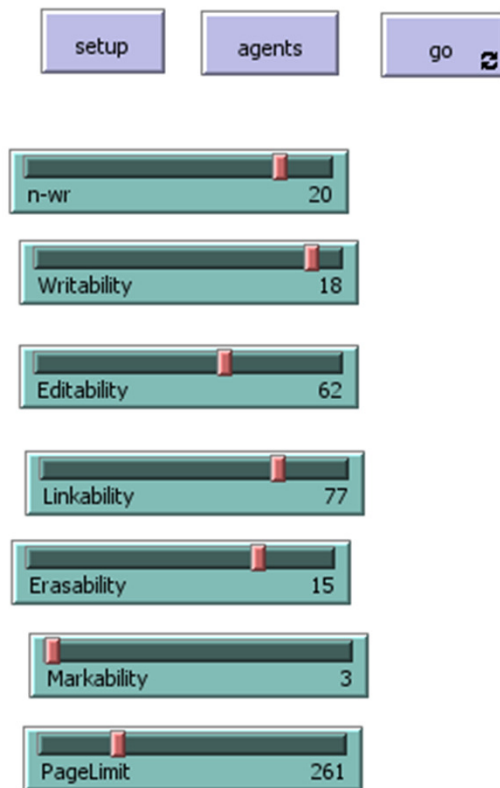


- The study of relationships and connections between authors and pages
- The relationship between authors and pages can be represented tools of the medium itself

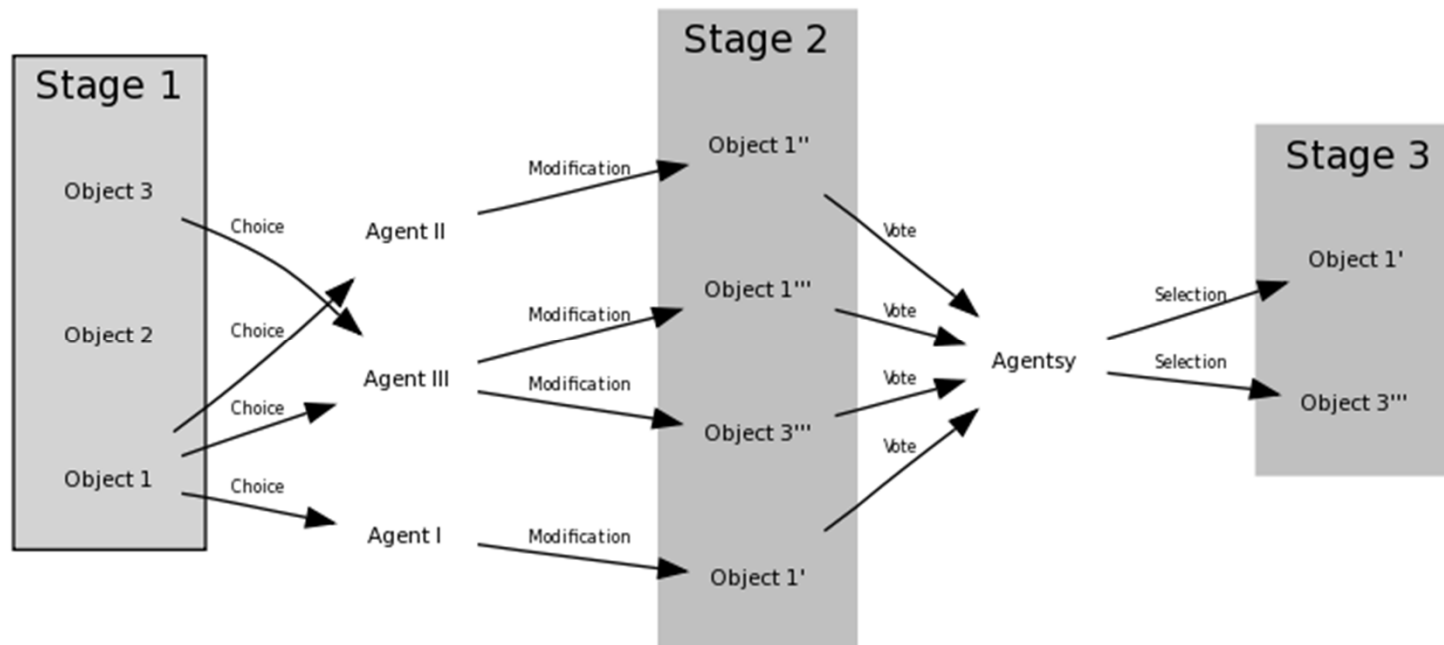




# Simulation for research and education



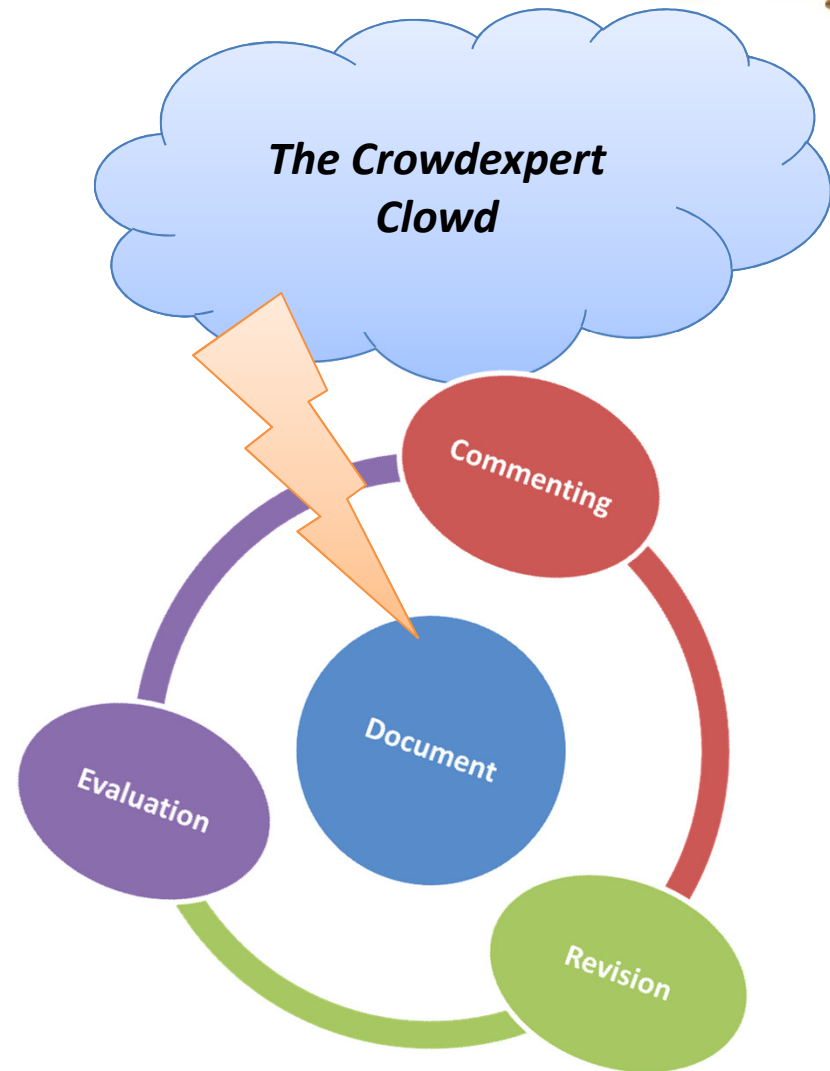
# Selection of ideas and improving of texts



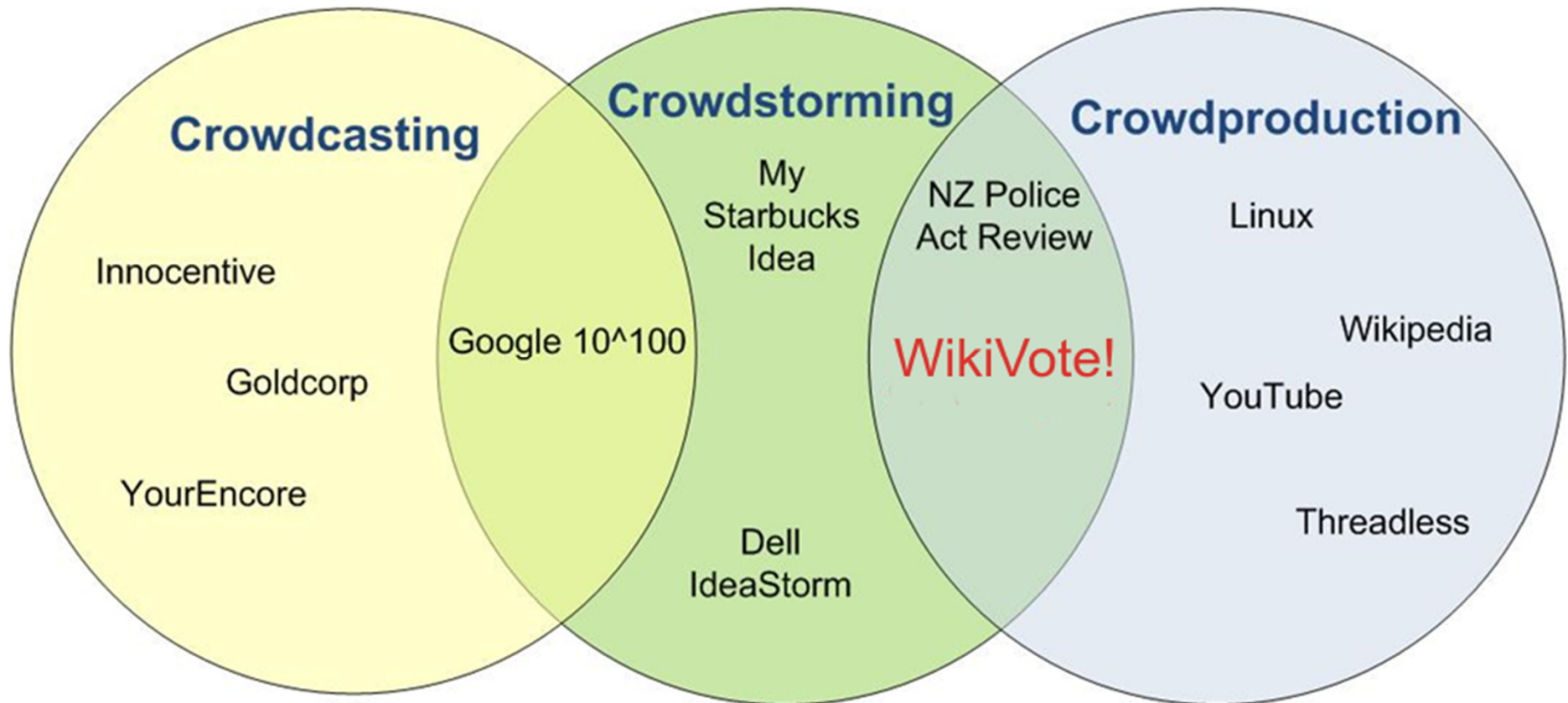
# WikiVote! approach



- Interested and knowledgeable participants are invited through educators', parents' and professional networks.
- Participants are motivated by the groundswell effect and are encouraged to compete and be recognized by peers.
- The wiki site is pre-populated with draft items.
- Participants, vote, comment, discuss and suggest their own versions.
- Graduate items are merged into the final draft of the law.



# WikiVote! on the Crowdsourcing Map



# WikiVote! and Democracy 2.0



- Development of social services has led to emergence of such phenomena as the wisdom of crowds, crowdsourcing, **Wikinomics**, groundswell and participatory culture.
- Technological capabilities of the Internet provide the basis for the transition from the contemporary society of representative democracy to the Internet society of direct democracy, **Democracy 2.0**
- All politically active and educated citizens have Internet access today. Therefore, all of them can directly, without mediation from parliaments, contribute to the lawmaking.
- This creates the basis for the new practices of public expertise and law enhancement, which may be referred to as **Lawmaking 2.0 based on the WikiVote! technology**



# How Lawmaking 2.0 Project is Implemented



- ✓ A platform for discussion is created and the draft law is published.
- ✓ A representative number of participants from different interested groups is invited.
- ✓ The infrastructure for suggesting, commenting, discussing, editing and voting is offered.
- ✓ Participants are motivated by career and recognition goals.
- ✓ A new version of the document based on the suggestions is created.
- ✓ The experts are rated based on their contribution. The “elite” of public experts is formed.



# Lawmaking 2.0: A New Tool for Solving Governance Tasks



- The expert participants are not just any crowd. They are knowledgeable people, motivated in their professional area.
- Search and selection of such participants are fulfilled in professional communities among those who showed activity in the field.
- This approach provides wide representation and gives broader outlook and complex approach to the issue.
- Participation in a online expert community is a stimulus for qualified professionals who can later work in government and administration.

# Social-political Aspect – Wiki solution for wicked problem



- Effective conversion of the civic activists' energy in a constructive collaboration with the government starting with a narrow field.
- Reducing the field of a social or political crisis by improving the social environment consideration.
- Search for the new solutions not noticed by the official experts.
- Expanding the expert network with skillful and knowledgeable experts.

