

Saxton, G.D., Oh, O. & Kishore, R. (2013).
Rules of Crowdsourcing: Models, Issues,
and Systems of Control. ***Information
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Goals

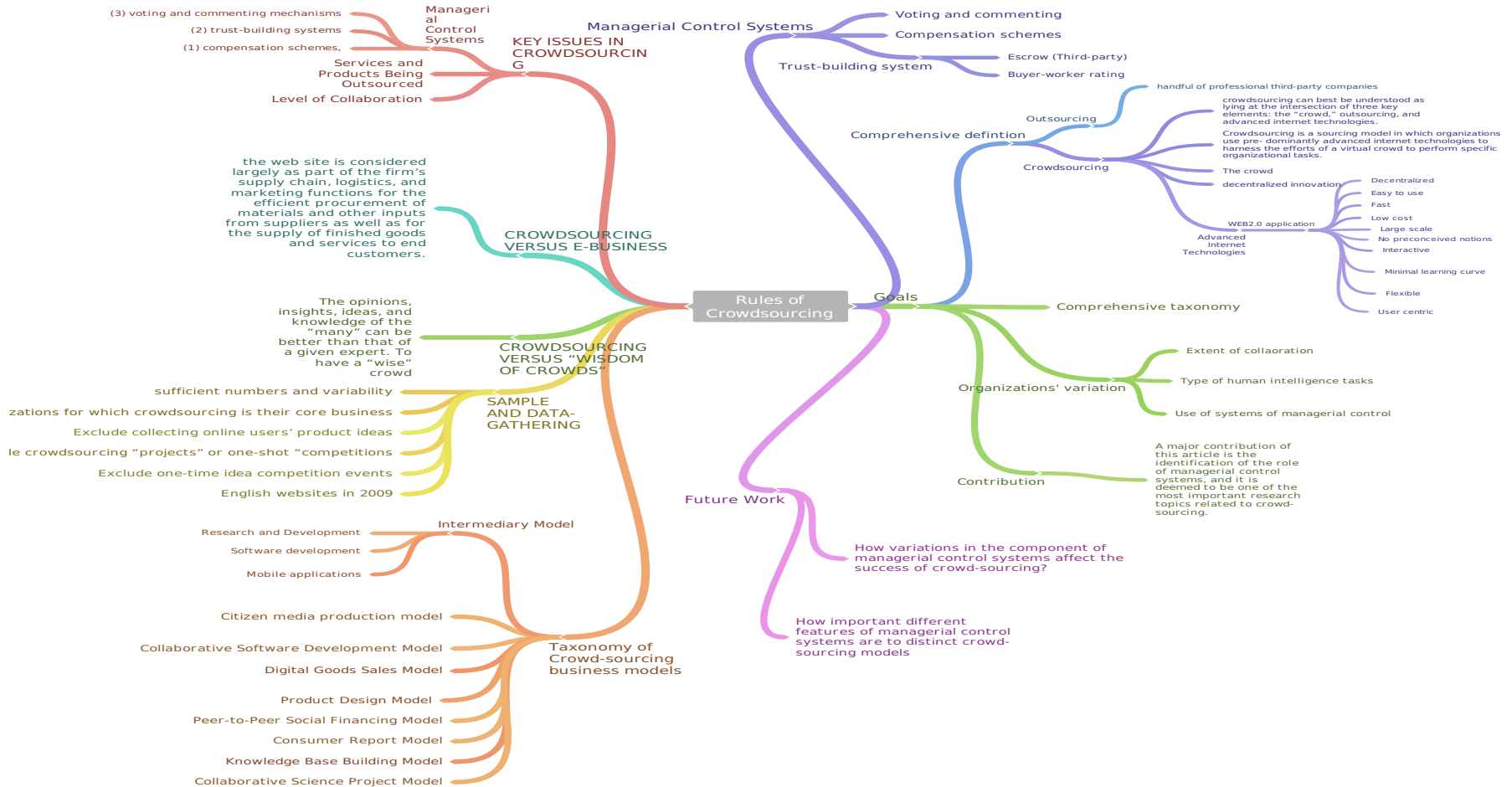


- A) Providing academic **definitions** for Crowdsourcing and compare it with common understanding of outsourcing
- B) Analyzing 103 well-known crowdsourcing web sites using **content analysis** methods and the hermeneutic (Quality Control Science) reading principle.
- C) Developing a “**taxonomic theory**” of crowdsourcing by organizing the empirical variants in nine distinct forms of crowdsourcing models.
- D) Discussing **key issues** and directions, concentrating on the notion of managerial control systems. The extent of collaboration, the type of human intelligence tasks, and the use of systems of managerial control are considered.

Mind Map



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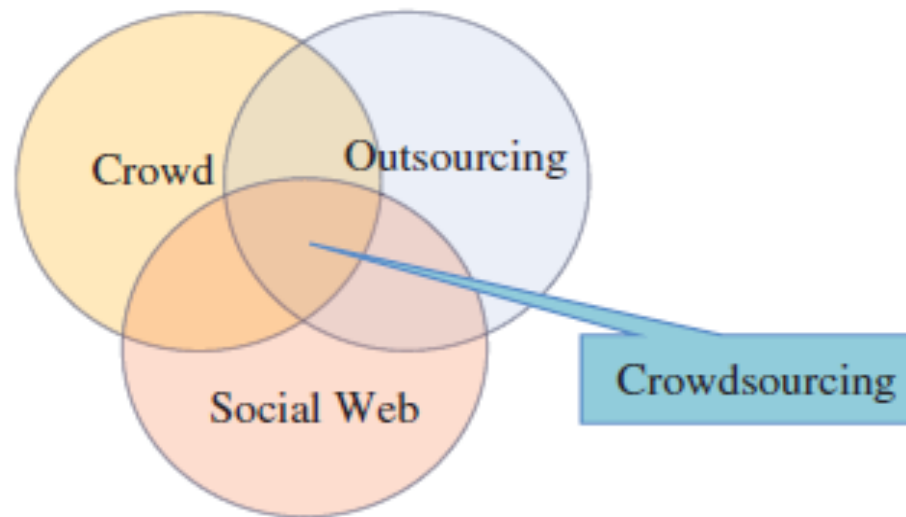


Crowdsourcing definition



The authors' rigorous definition is:

Crowdsourcing is a sourcing model in which organizations use predominantly advanced internet technologies to harness the efforts of a virtual crowd to perform specific organizational tasks.



Outsourcing



Both outsourcing and crowdsourcing share similar objectives in that they source in their business needs from outside entities to achieve their business goals. Except for the fact that crowdsourcing is an emerging type of “small-scale outsourcing”.



The Crowd

While with traditional outsourcing, an entity subcontracts a business process or need—such as product design and manufacturing—with a handful of professional third-party companies, the crowdsourcing model turns to scale via an **undefined, non-professional, and heterogeneous** online “crowd” to source in these needs.



Advanced Internet Technologies

Web 2.0 is used to:

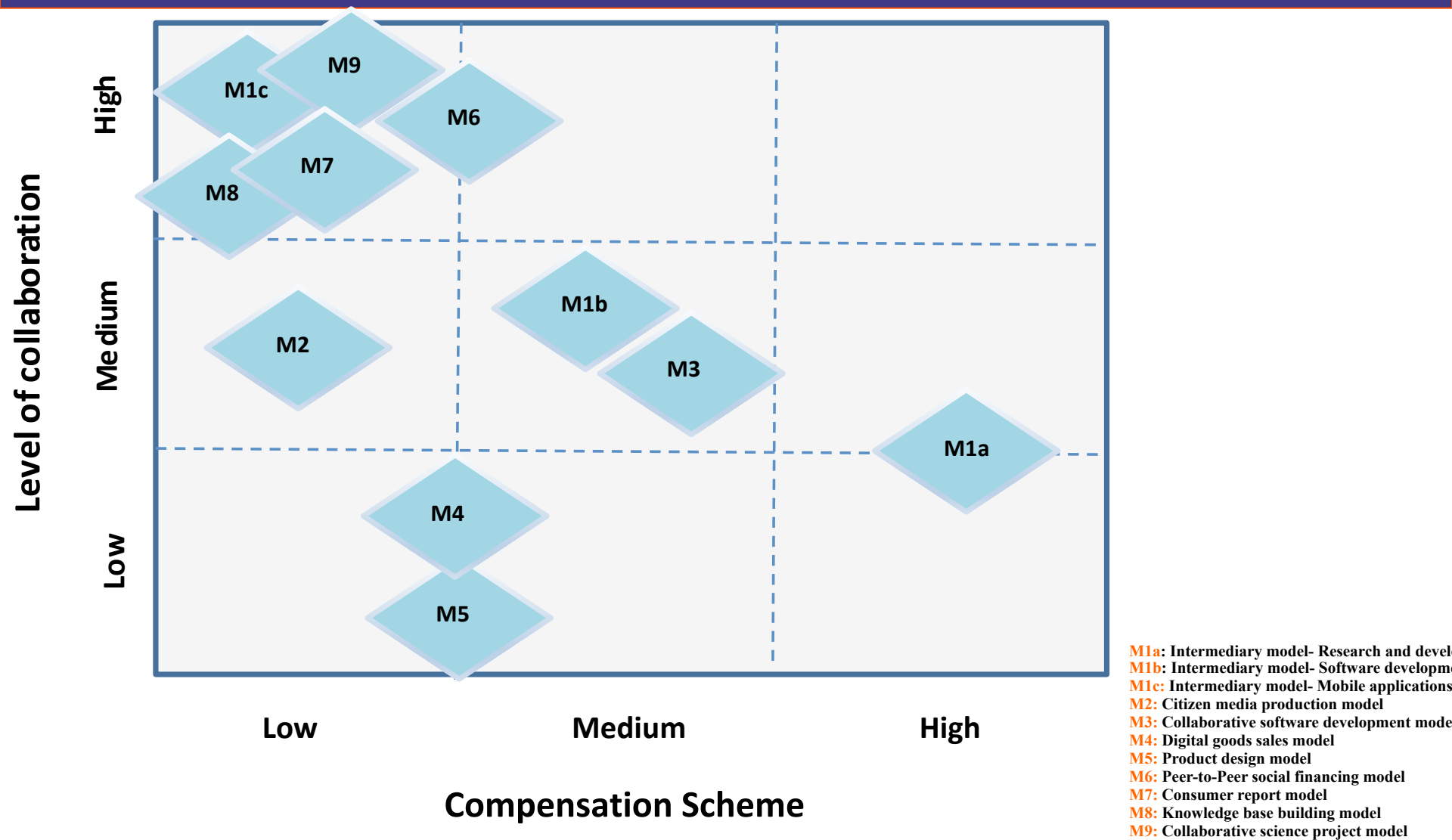


- Find and control the potential “crowd” of workers, negotiate contracts, and monitor work progress in real time
- Provides a “rich” media source, low cost, easy to use, interactive, and decentralized.
- Attract large user bases with a minimal learning curve, and facilitate massive amounts of user-created content.

Taxonomy of crowdsourcing business models

- M1a:** Intermediary model- Research and development
- M1b:** Intermediary model- Software development
- M1c:** Intermediary model- Mobile applications
- M2:** Citizen media production model
- M3:** Collaborative software development model
- M4:** Digital goods sales model
- M5:** Product design model
- M6:** Peer-to-Peer social financing model
- M7:** Consumer report model
- M8:** Knowledge base building model
- M9:** Collaborative science project model

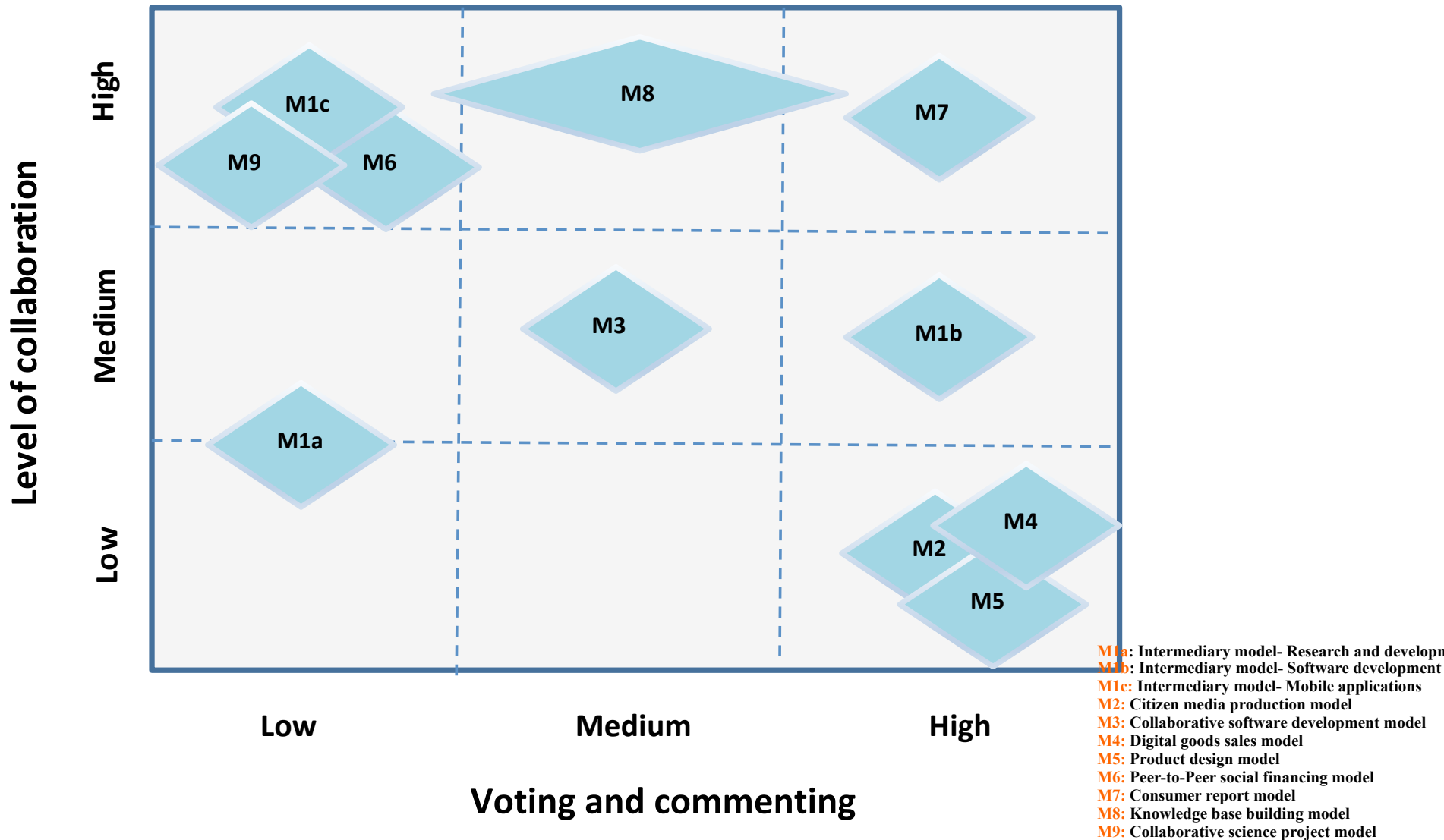
Level of Collaboration and Compensation Scheme



Trust Building System



Level of Collaboration and the use of Voting and commenting



Key Issues: 1/3 Services and Products Being Outsourced



- All crowdsourcing focuses with tasks that even now we cannot automated
- Highly versatile/two ends of the scales: simple (HITs) and complex (expert knowledge) tasks
- Combined with low cost and easy to use mechanism crowdsourcing disrupts existing sourcing mechanisms
- Its not just products and services; its creating new ways to source products and services (i.e. meta-innovation)

Key Issues 2/3:

Level of Collaboration



- Contrary to popular belief collaboration is variable in crowdsourcing – sometimes even absent
- Management of outputs is key; collaboration doesn't even have to exist but if it does, then it too must be managed
- Collaboration is determined by need: task scope, complexity and IP/copyright implications

Key Issues 3/3:

Managerial Control Systems



- Focus on leveraging short-term performance and temporarily attracting higher value performers
- “Facilitating user participation and eliciting their best knowledge and skills” for task
- (1) compensation schemes
 - n =103: 89 some kind; 50 \$ value; even nil value used reputation incentives
- (2) trust-building systems
 - Buyer/seller rating systems; legally binding escrow systems (temporary 3rd party financial oversight)
- (3) voting and commenting mechanisms
 - Functions as evaluation mechanism, and historical record , uniquely integrated into decision-making and compensation mechanisms

Conclusions and Future Work



- Article presented a taxonomy of Crowdsourcing, but its main contribution is managerial control systems (i.e. ways for maximizing value from groups) because of the growing baseline capability, availability and low cost of hardware and software
- Future research is needed on the relationship between managerial control system mechanisms and task complexity (i.e. understanding specific task typologies and their collaboration and control needs)
- So, this suggests that its futile to understand how to replicate general 'wisdom of the crowd' behaviour

Questions?

