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Towards Plurality Preserving Platforms

Challenges and Opportunities in Algorithmic Policymaking

Michael Zargham
@mzargham

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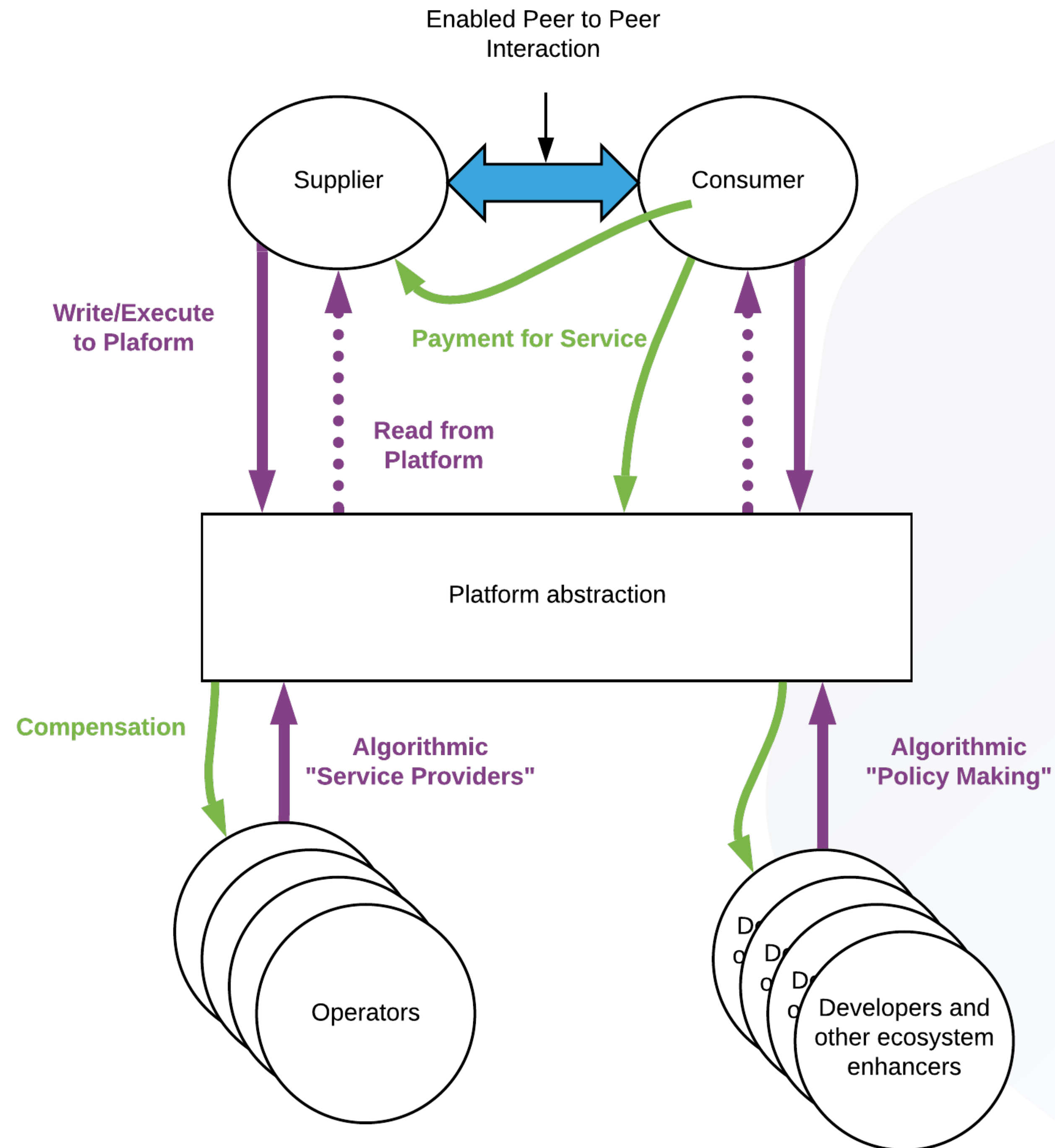
Distributed Infrastructure for Common Good



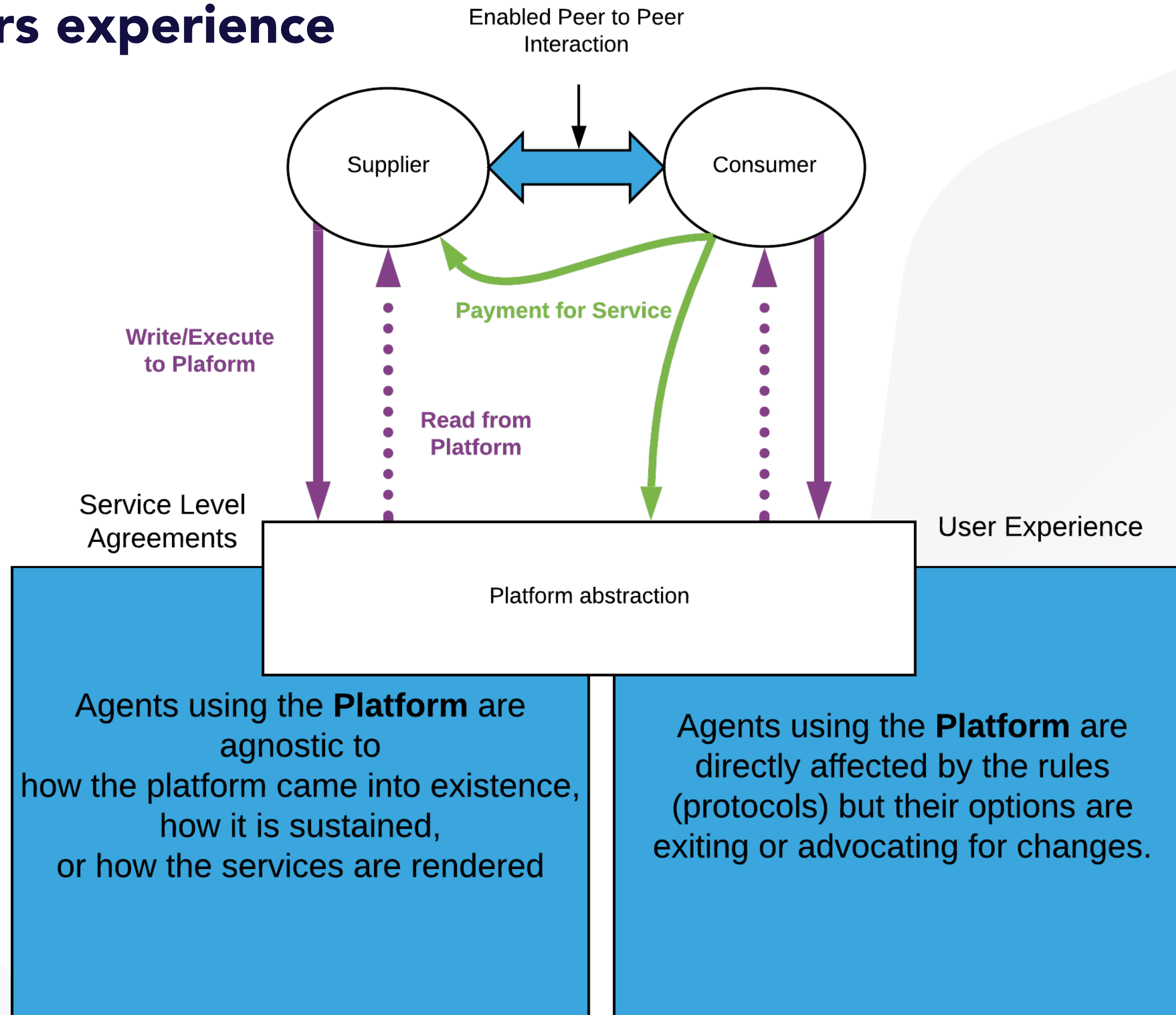
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Introduction

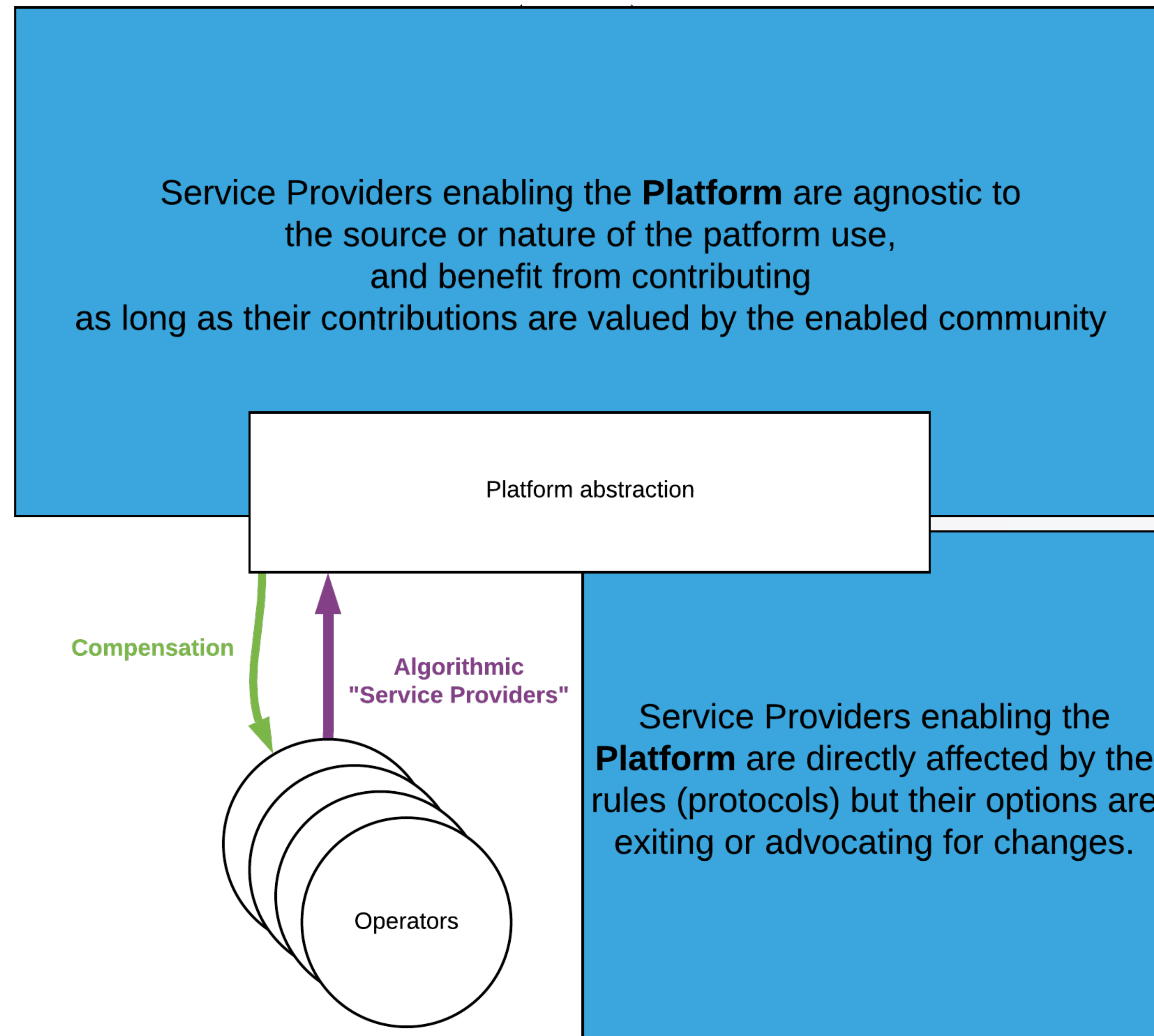
What is a "Platform"?



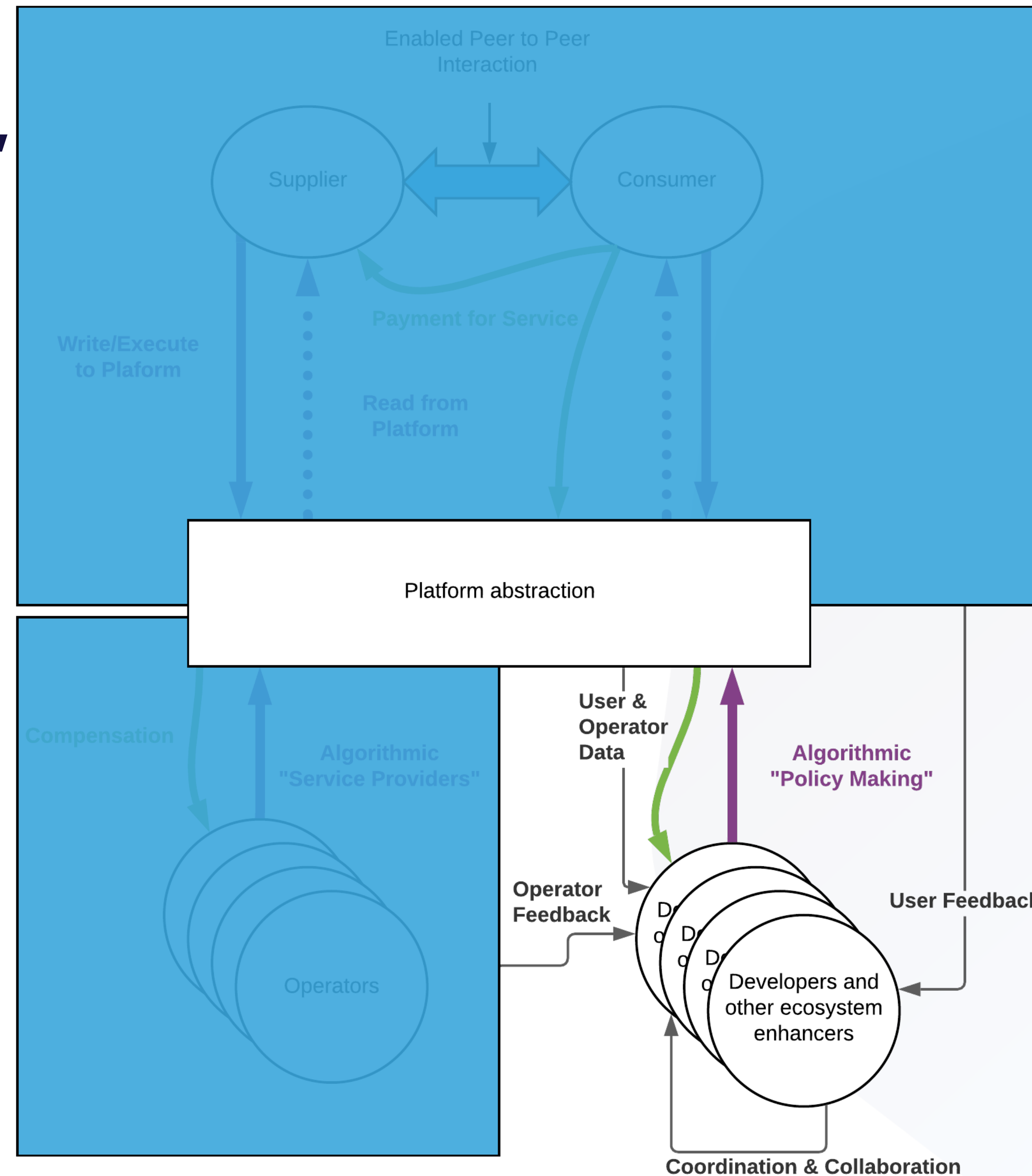
How do users experience a platform?

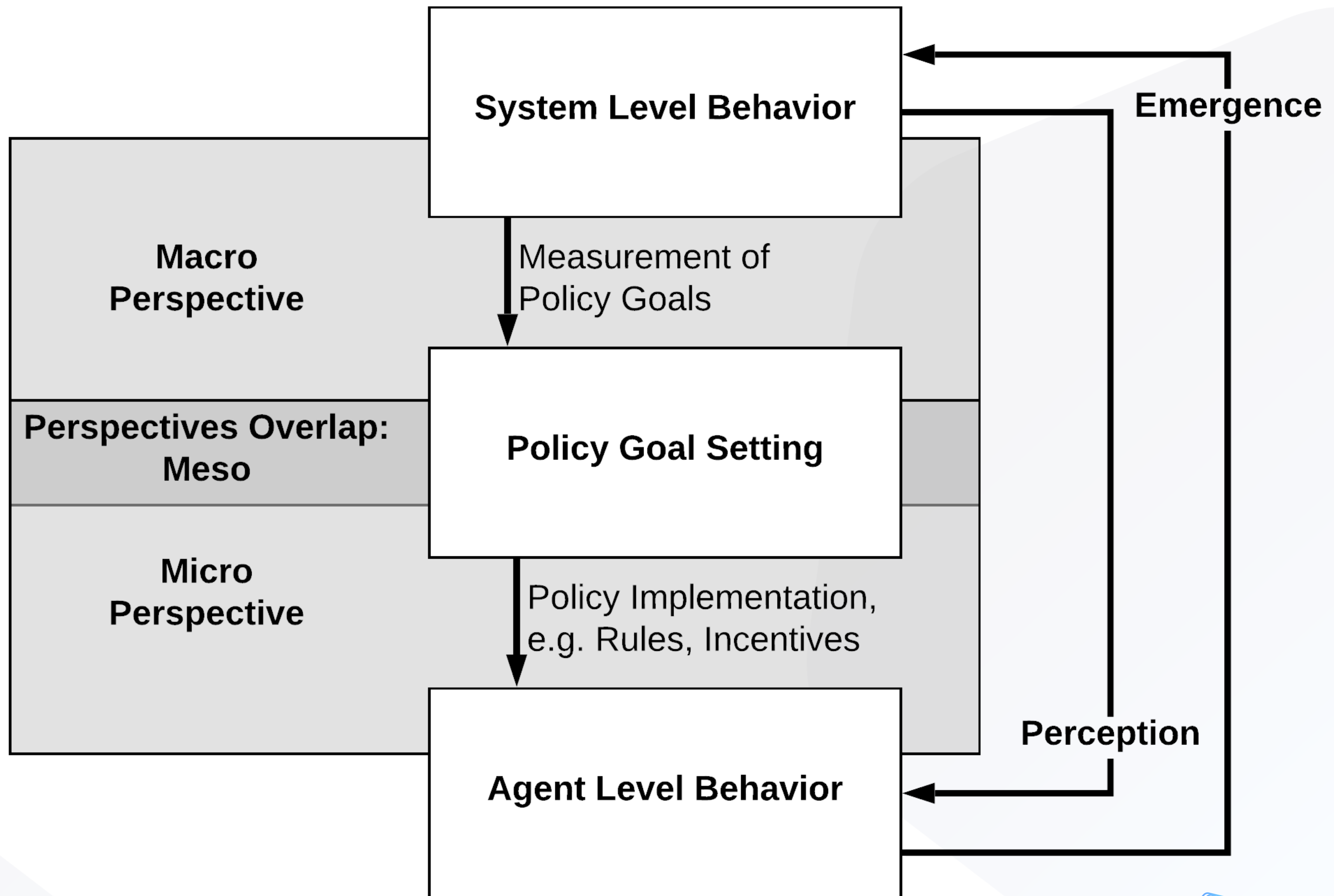


How do Operators experience a platform?



What about Software Development, Mechanism Design & and Governance?







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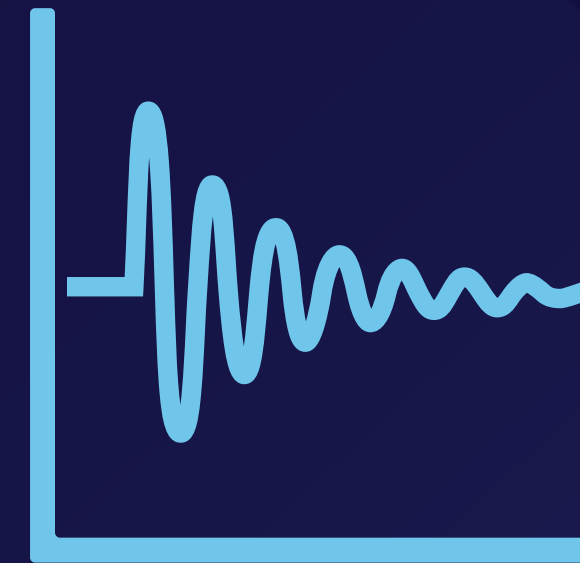
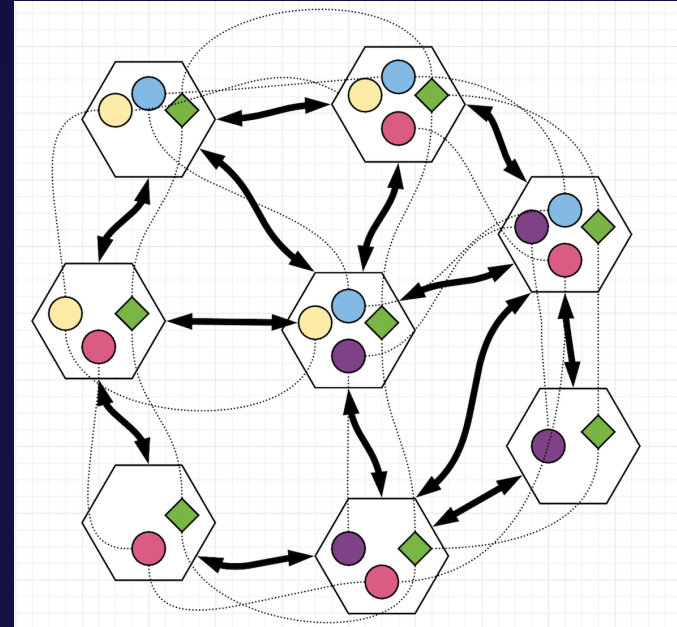
Challenges



- ☆ Algorithms automate the execution of rules
- ☆ Consequences of actions are transparent
- ☆ Rely on observable data
- ☆ Susceptible "Goodhart's Law"
- ☆ Enshrine the subjectivities of the algorithm designer

Mindful of "Subjective" Choice of "Objective" Measures

Systems



Social	Economic	Technology	Physical
Value Flows:	Macro State Evolution (Global Goals)		
Local Agent Behavior:	Product of Mechanisms, Incentives and context		
Interaction Patterns:	Definition of Mechanisms and Incentives (Local Constraints)		
Trusted Computation:	Cryptographically guaranteed Execution of Code		
Durable Data:	Trustworthy State Information		

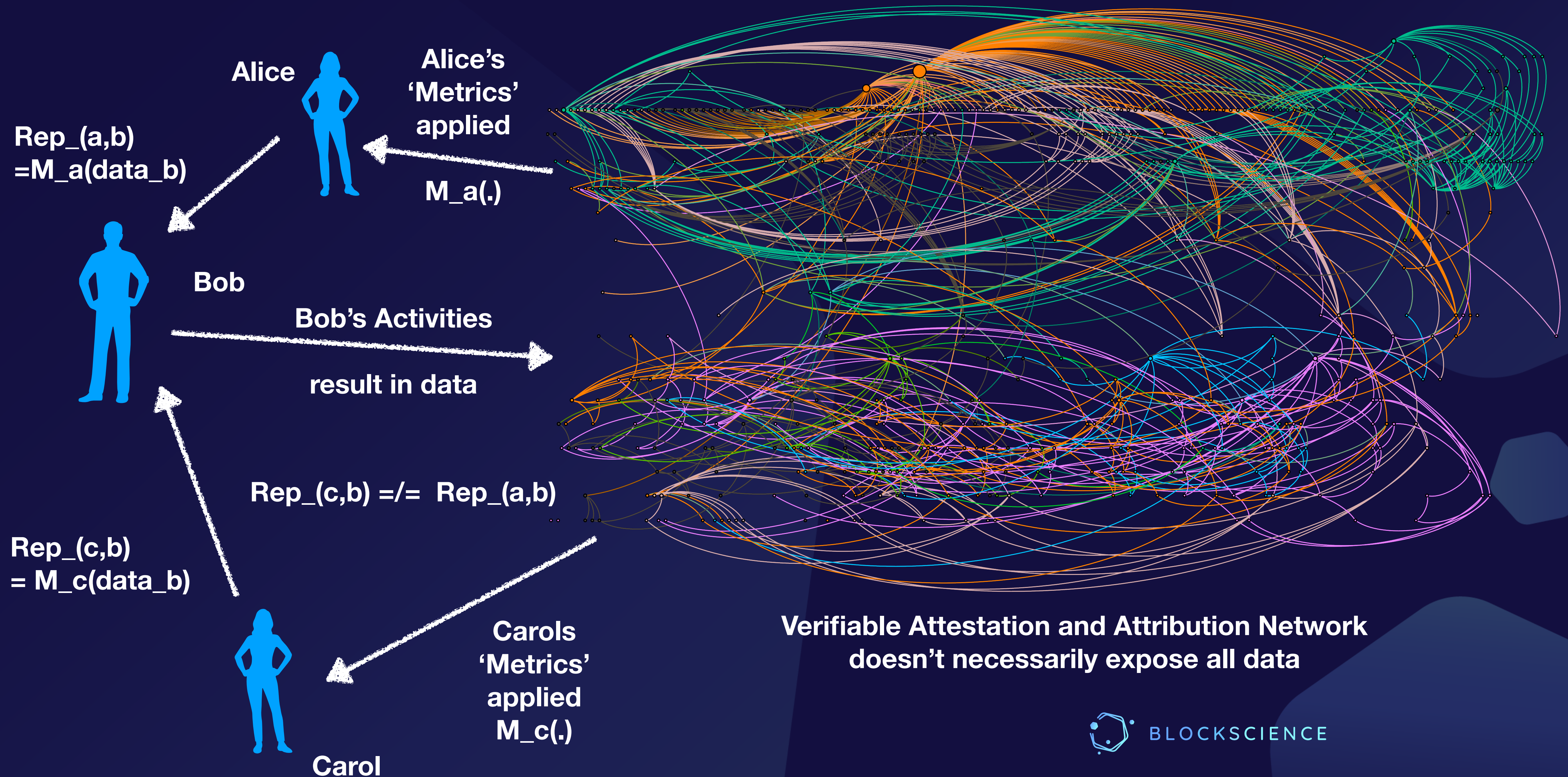
Choice of Measure is inseparable from the system itself and its outcomes



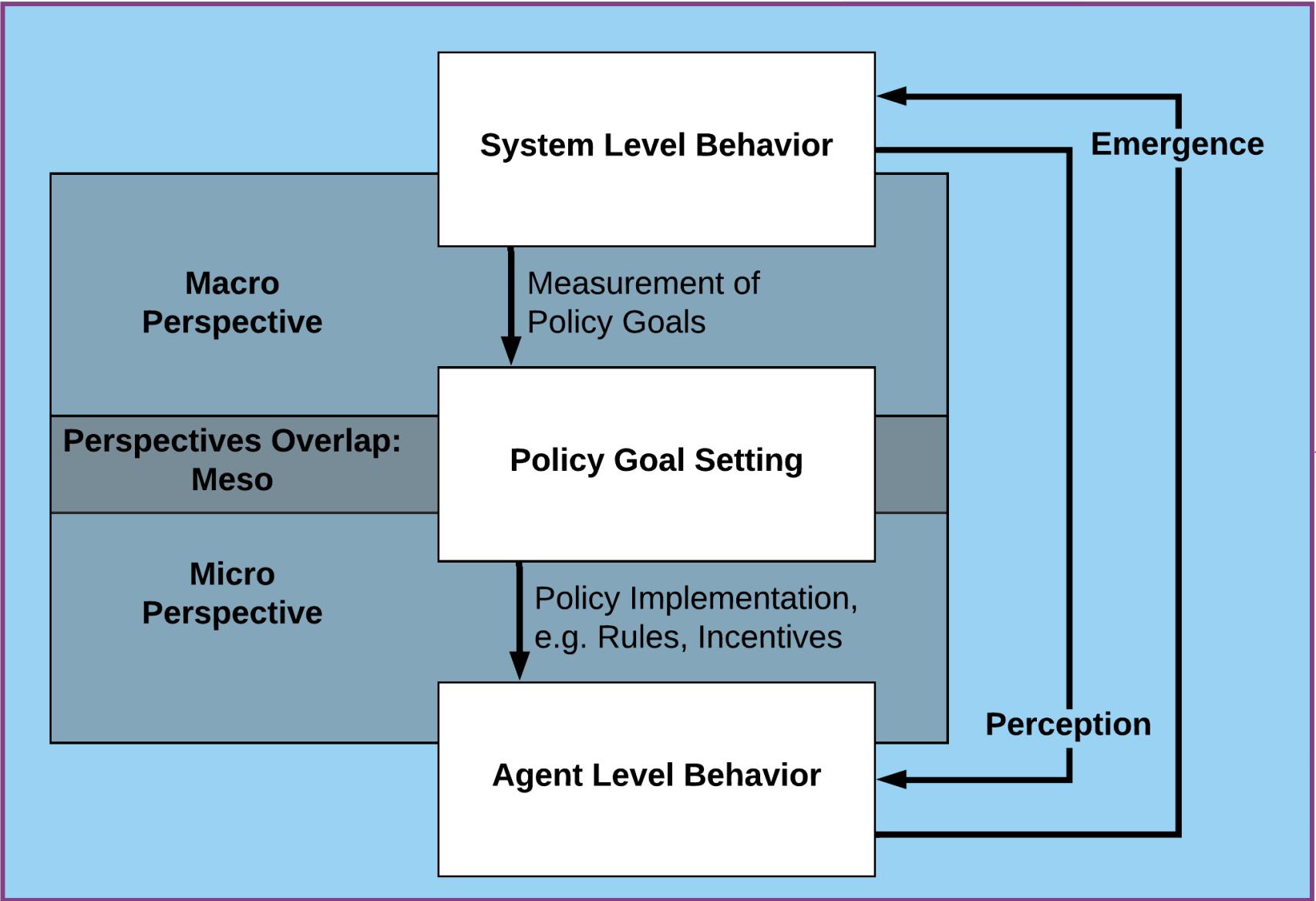
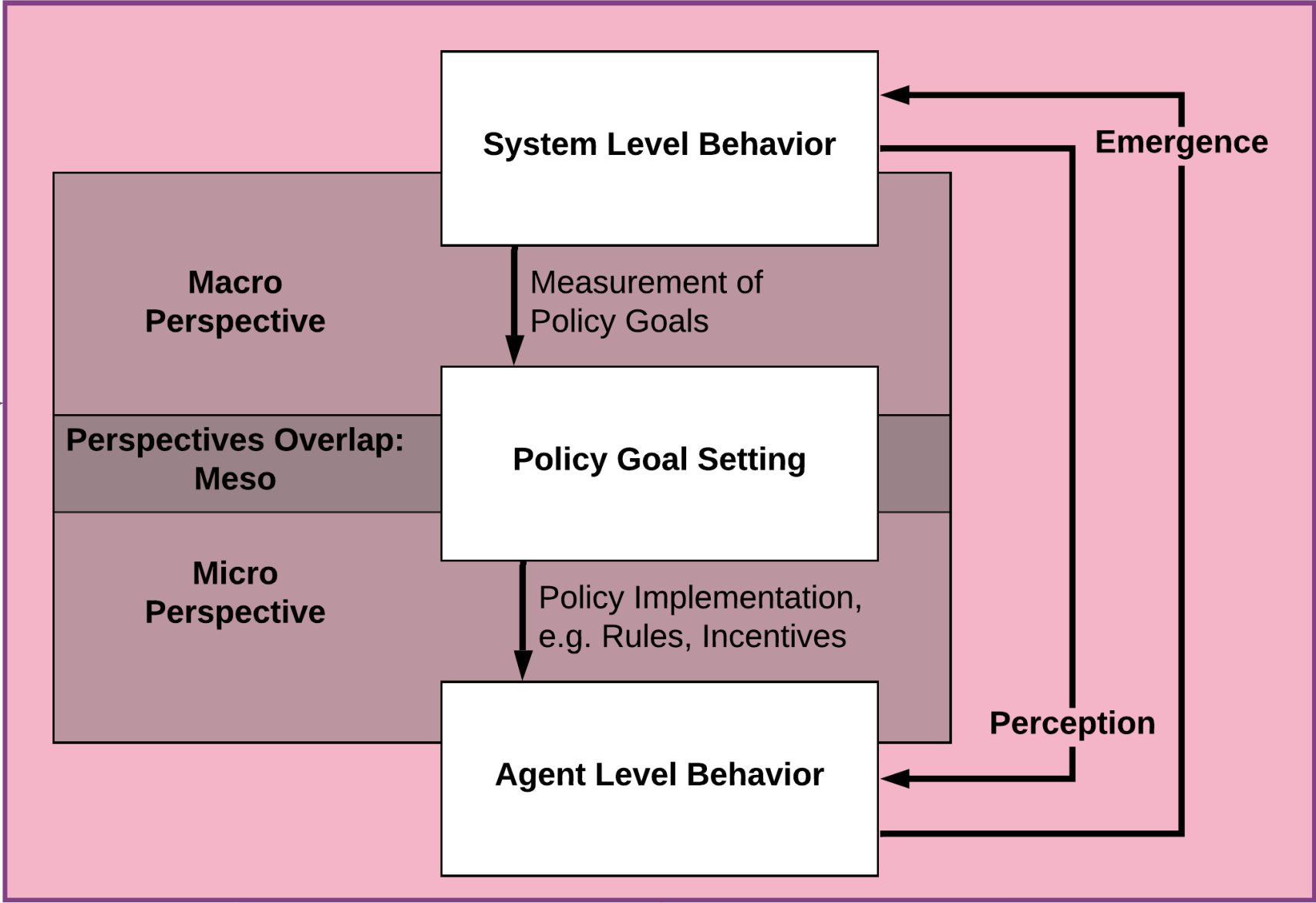
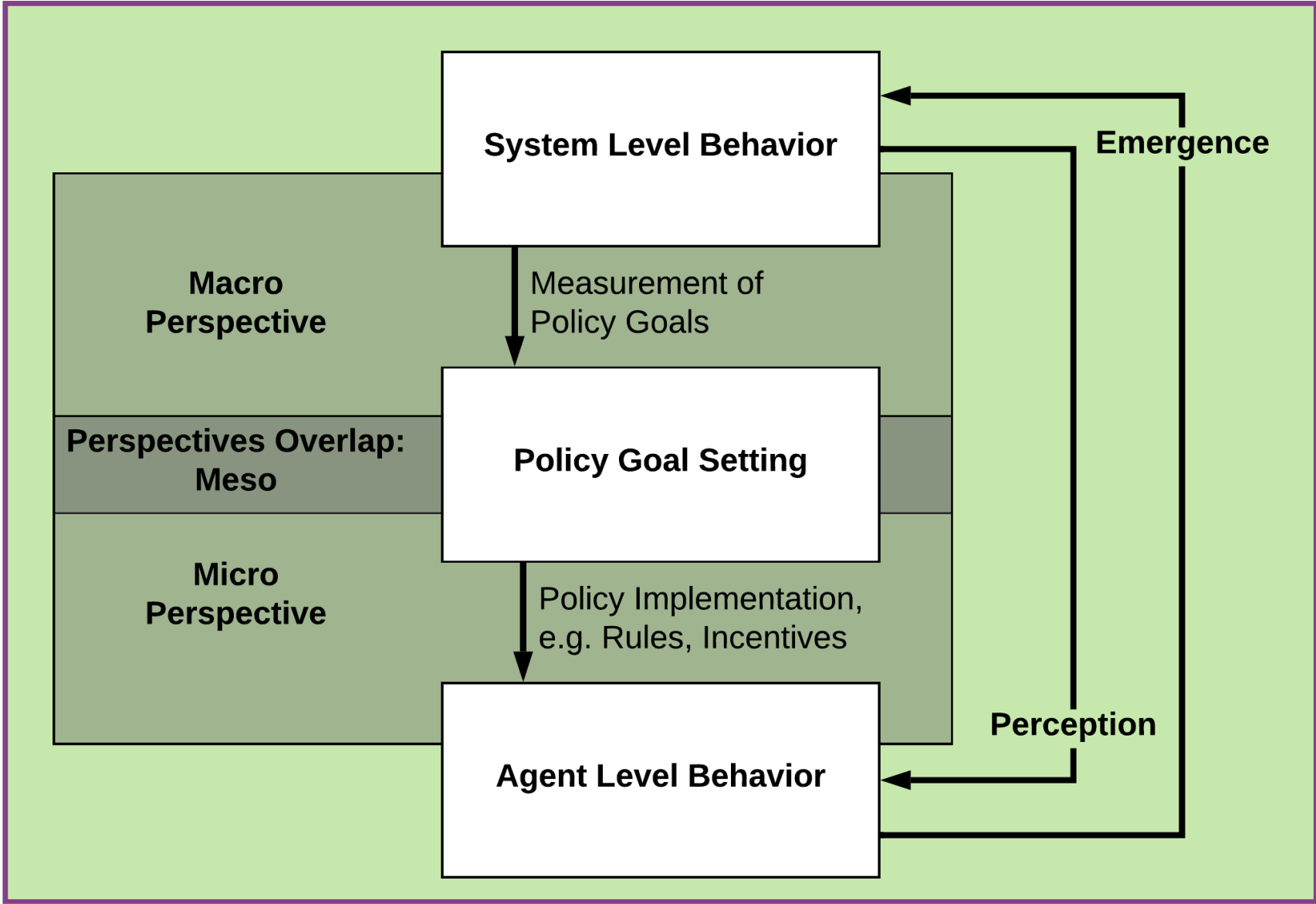
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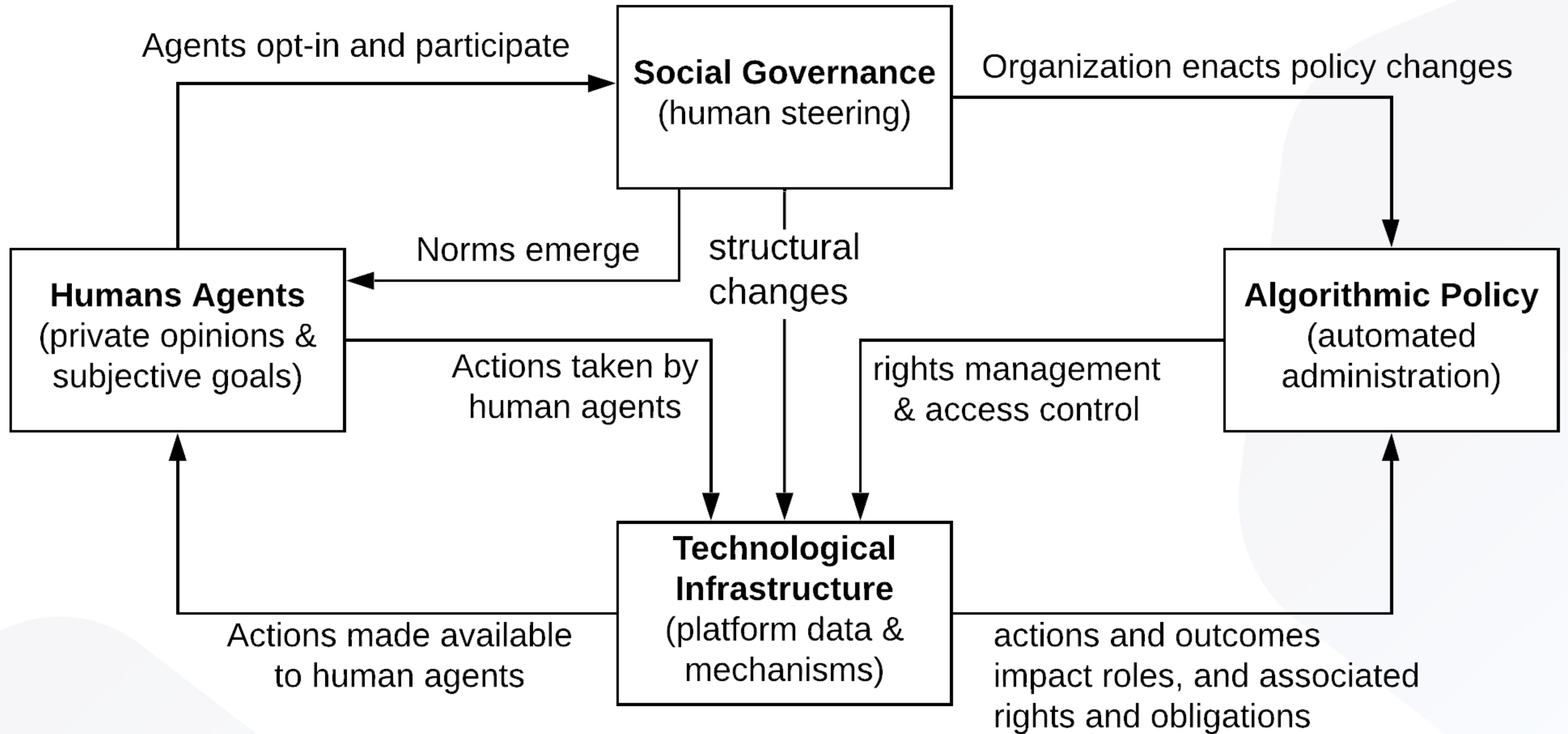
Opportunities

Avoiding God's Eye Measurement Systems



Network Structure & Subsidiarity







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Examples

Some (ongoing) Experiments In Platform Self-Governance

Computer Aided Governance in the Filecoin Ecosystem

<https://www.youtube.com/watch?v=N9vmQhWyMF4>

Participatory Data Science: Fraud Detection and Defense in GitcoinDAO

<https://medium.com/block-science/operationalizing-the-gitcoindao-anti-sybil-process-7f2595544f44>

Participatory Parameter Selection: Token Engineering Commons

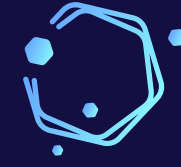
<https://archive.org/details/green-metagov>

Pushing Human Decision Making to the Edges with 1hive Gardens

<https://about.gardens.1hive.org/>

Participatory Digital Ethnography with MetaGov & SourceCred

Publication Coming Soon!



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Thank You!