LIS Grand Challenges & the Death of the User

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Past

Future

Abstract

Concrete

Abstract

Grand challenges are hard problems with solutions that have societal level impacts. They are as much rallying cry as research agenda, and are useful in promoting innovation in the field and building strong cross-disciplinary partnerships. What are the grand challenges in library and information science? This presentation will focus on efforts to define these grand challenges and the implications for research and education in the LIS field. Special emphasis will be put on moving past concepts of users to true participation and past information to knowledge.

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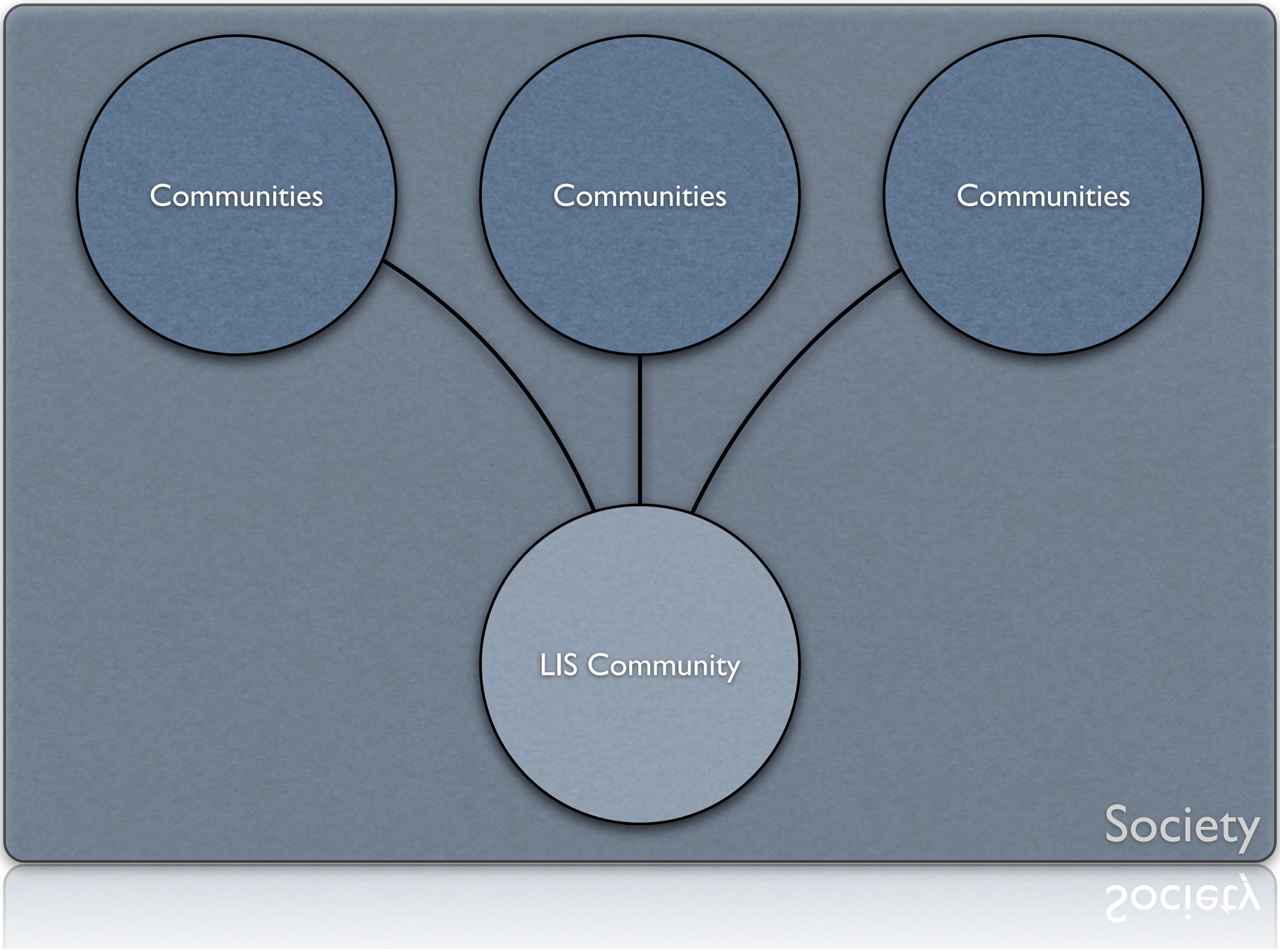
- Lankes Seeks Grand Challenges In LIS That Move Us Past Myopic Conversations of "The Future"
- Lankes Plots World Domination Through Library and Information Science

Grand Challenges

- A Societal-Level Problem That is Solvable and Has High Potential Rewards

Andrew Dillon, University of Texas
Mary Stansbury, University of Denver
Sam Hastings, South Carolina University
David Lankes, Syracuse University
Tula Giannini, Pratt Institute
William Schickling, Polaris

Corrine Hill, Dallas Public Library
Annie Norman, Delaware State Library
Martha Reid, Vermont State Library
Anne Craig, Illinois State Library
Mary Chute, IMLS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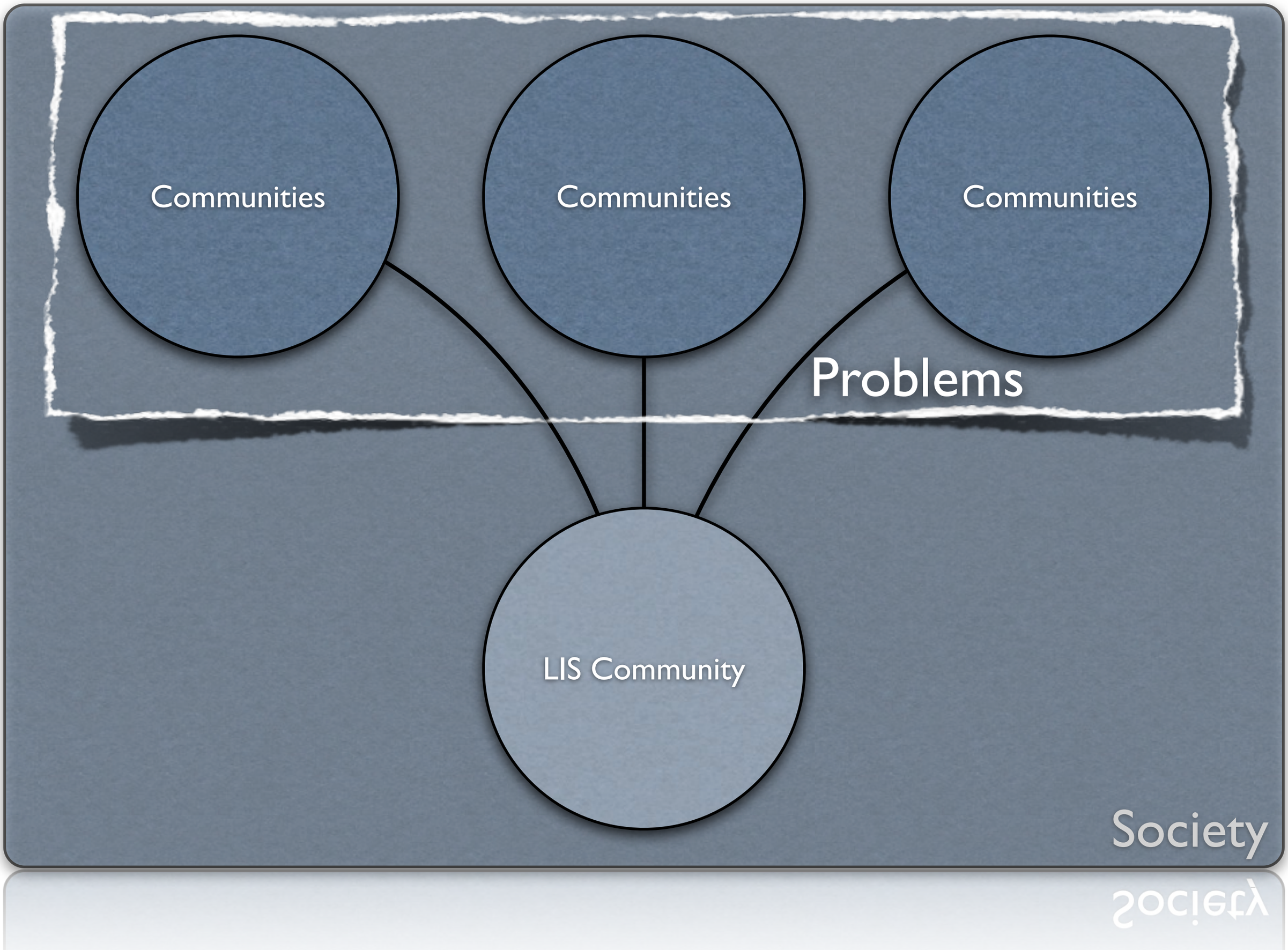
Communities
Communities
LIS Community
Society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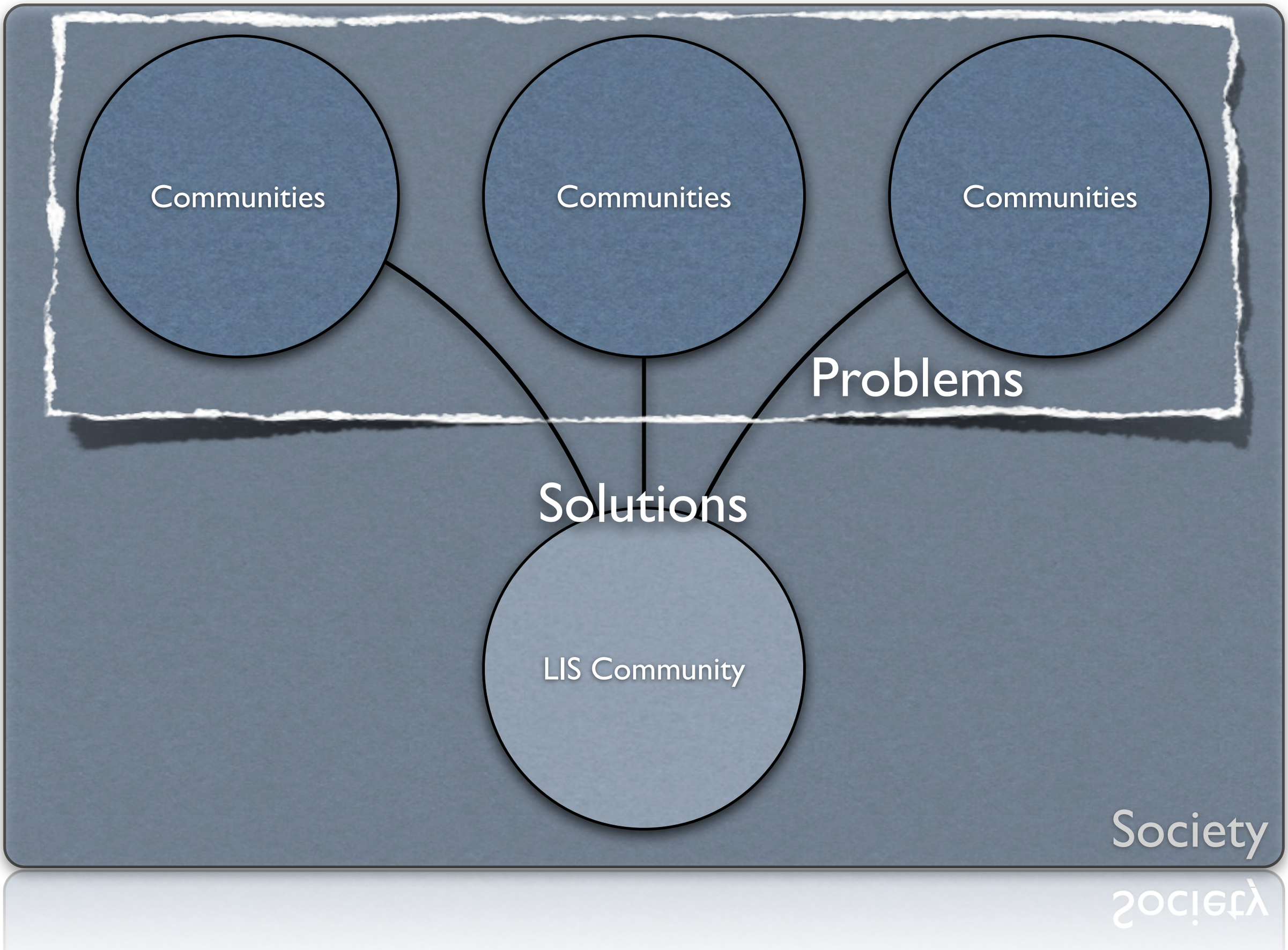
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Lifelong Learning
P-20 First generation to not do better than their parents
P-20: Preparing Students to Engage in an Academic Culture
P-20: Higher Education: Fixing an Increasingly Broken Model
How to Credential Knowledge

The Science of Facilitation
From Disintermediation to Facilitation (librarian, educator, curator, journalist, publisher)
Representing and Organizing Complex Knowledge
Processing Massive Scale Data

Community
Balancing Local v. Global Perspectives
Identity (personal, community, etc) in a connected society
Local Concerns (Environment, Economy)
Engaged Citizenry (Democracy)
Transferring Local Information to the larger society

From Consumers to Participants
Move away from information as something to be consumed to something to nourish society (civic contribution)
From Jobs to Monetizing Knowledge Work
Equality of Access for the 21st Century (who owns the information/walled gardens of access to cultural knowledge)

Pressures for Change: Demographics, Changes in the Marketplace, Networks

Knowledge Society

How to accept multiple ways of coming to a solution - truth by consensus

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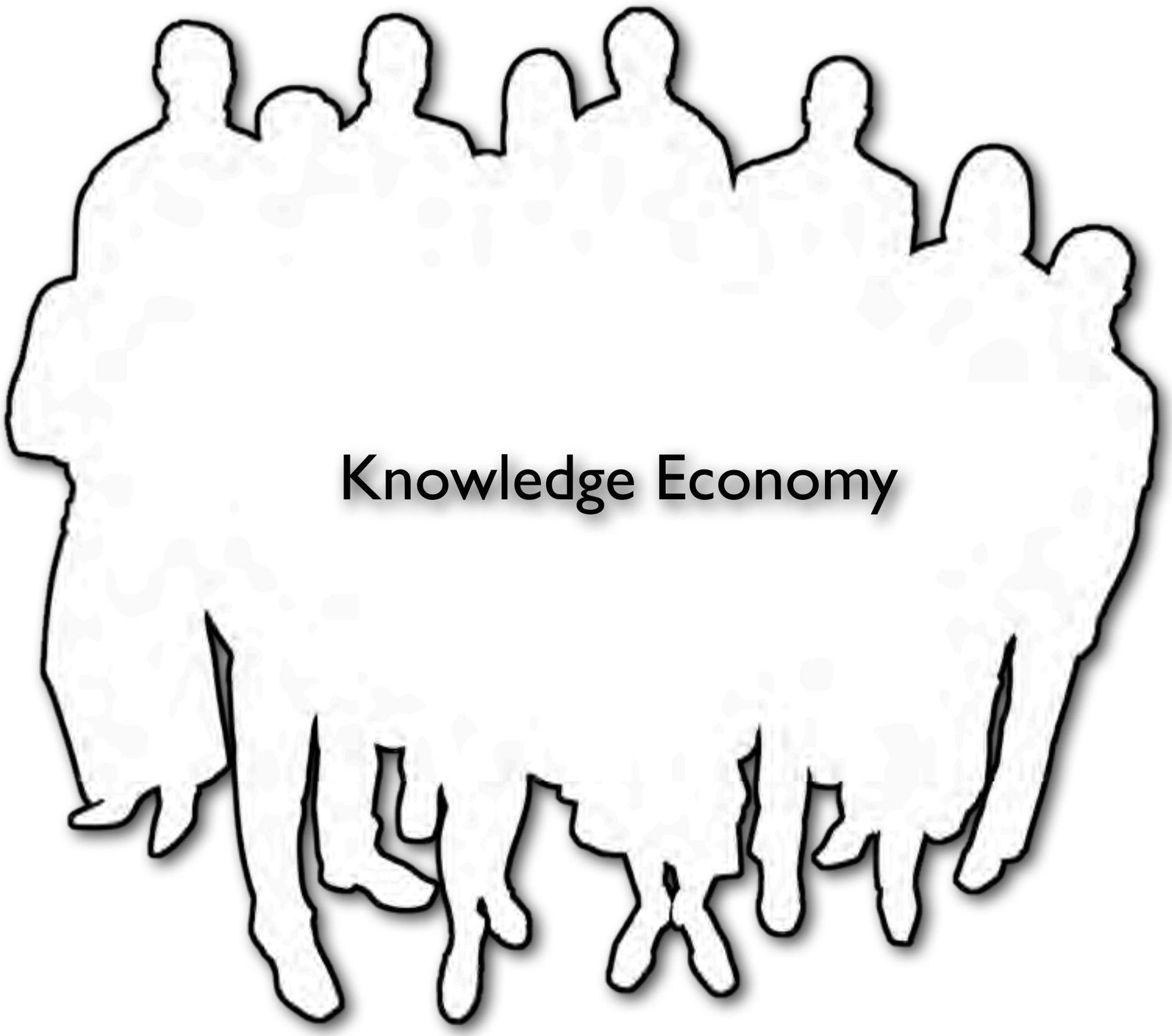

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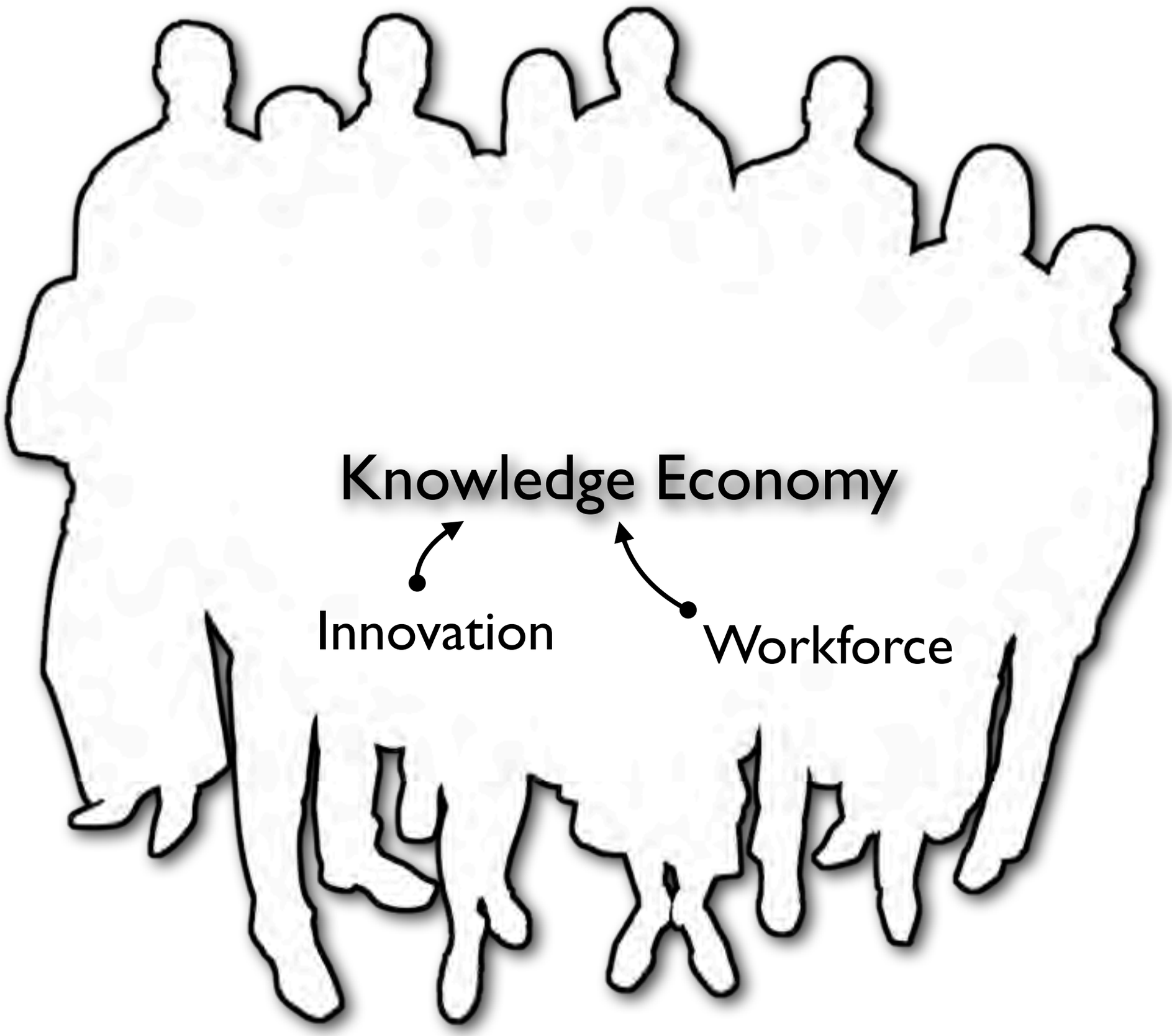

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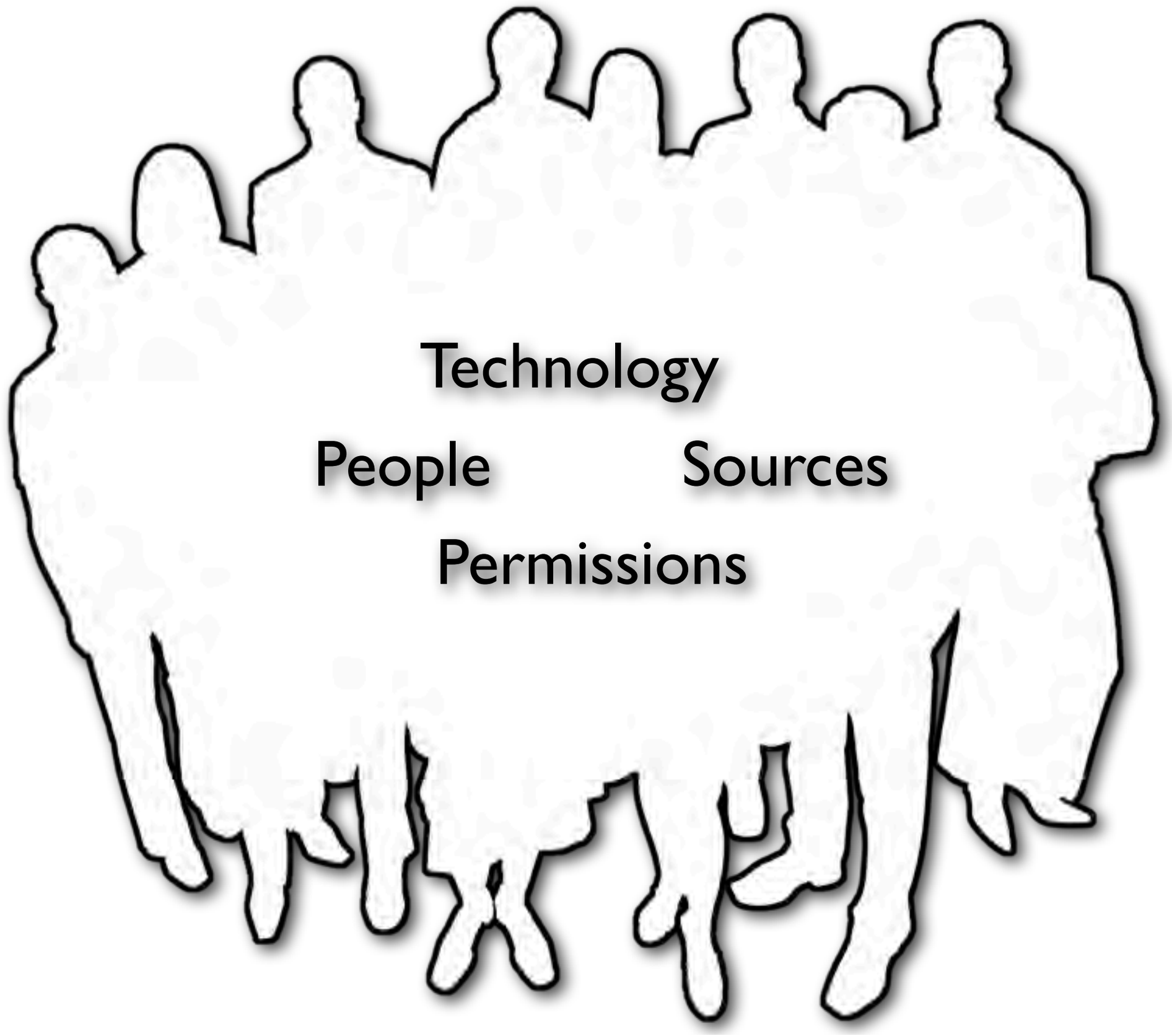
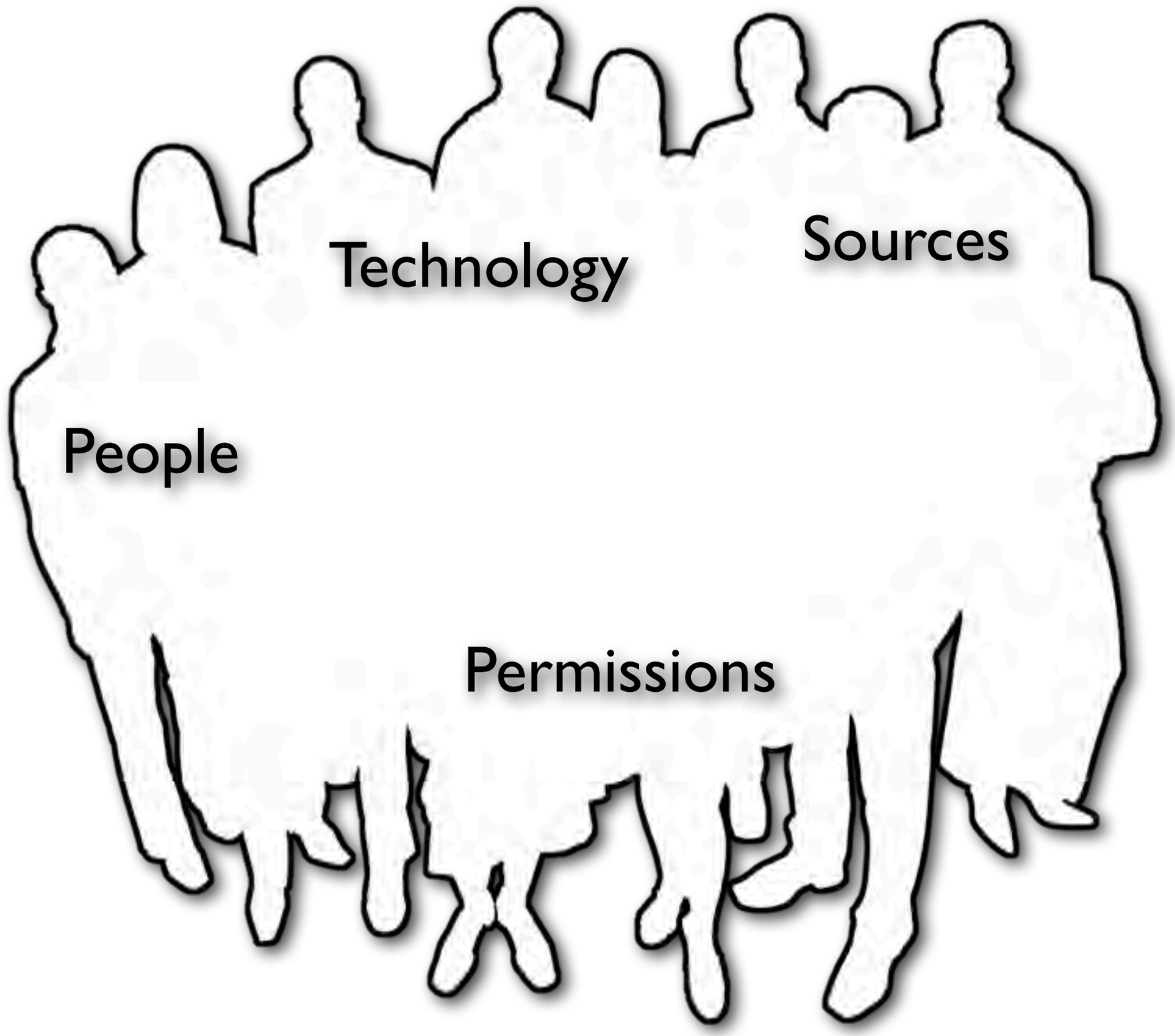
Knowledge Infrastructure



Knowledge Infrastructure



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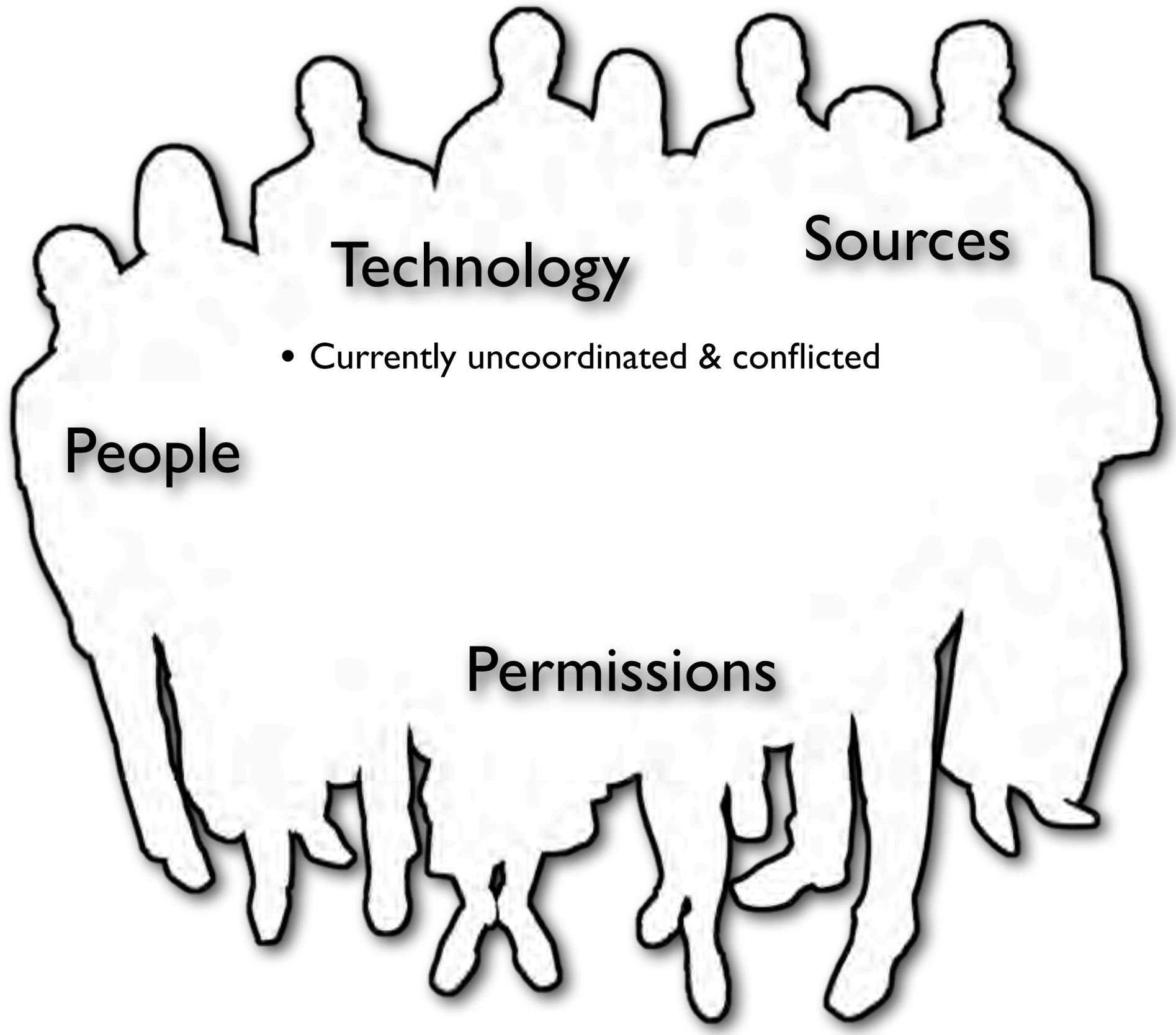

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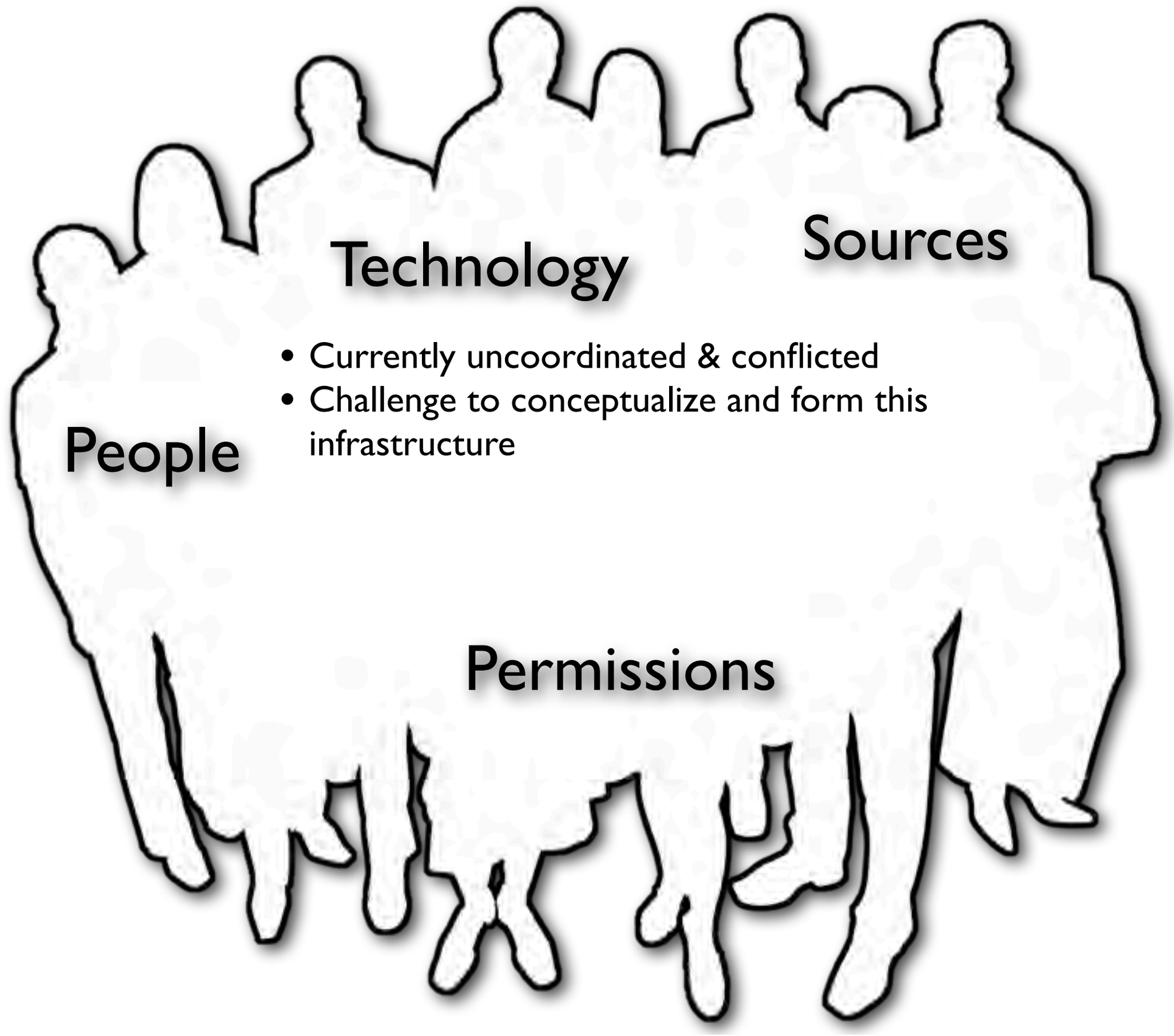
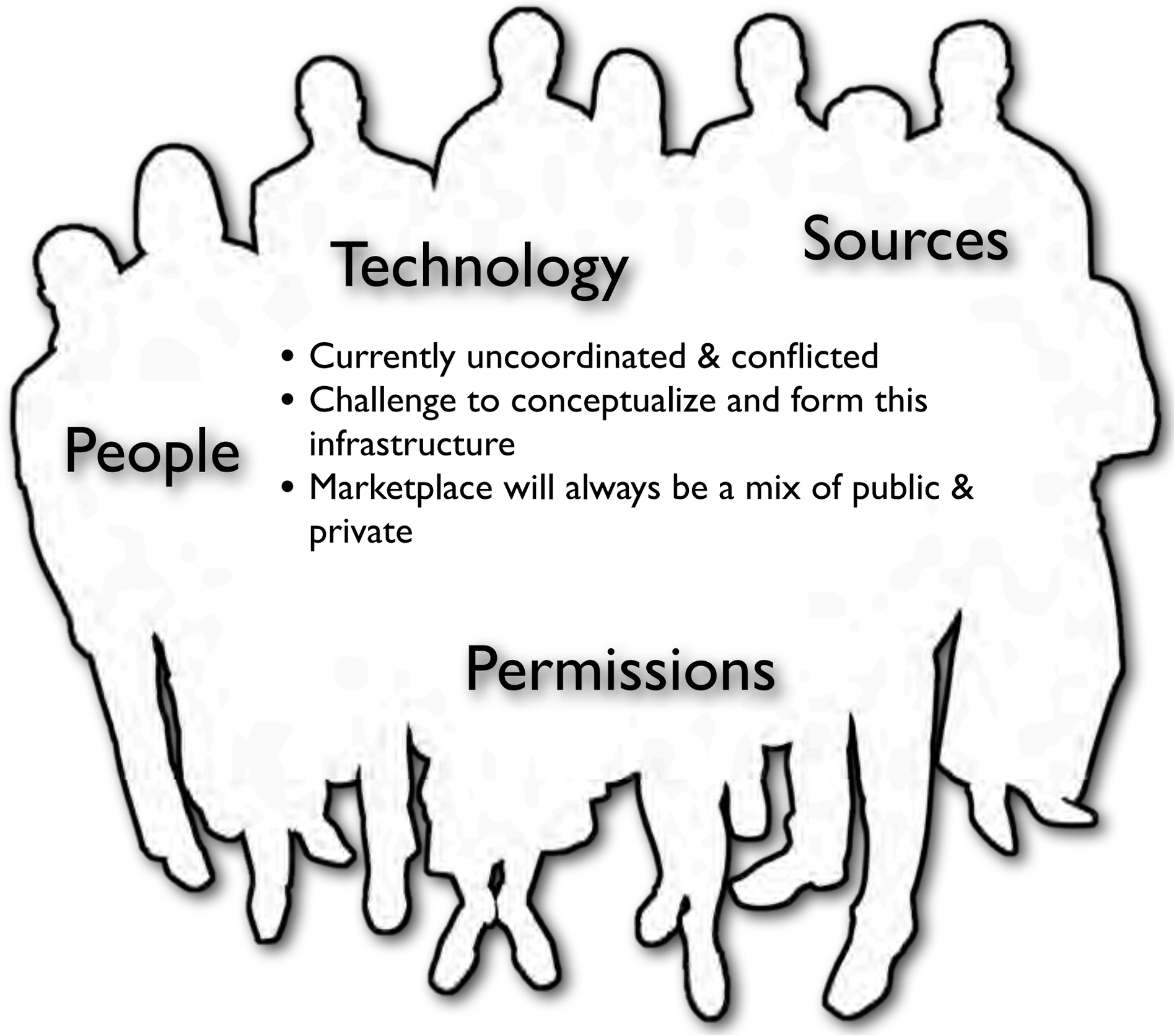


- Currently uncoordinated & conflicted
- Challenge to conceptualize and form this infrastructure

Knowledge Infrastructure

How to accept multiple ways of coming to a solution - truth by consensus



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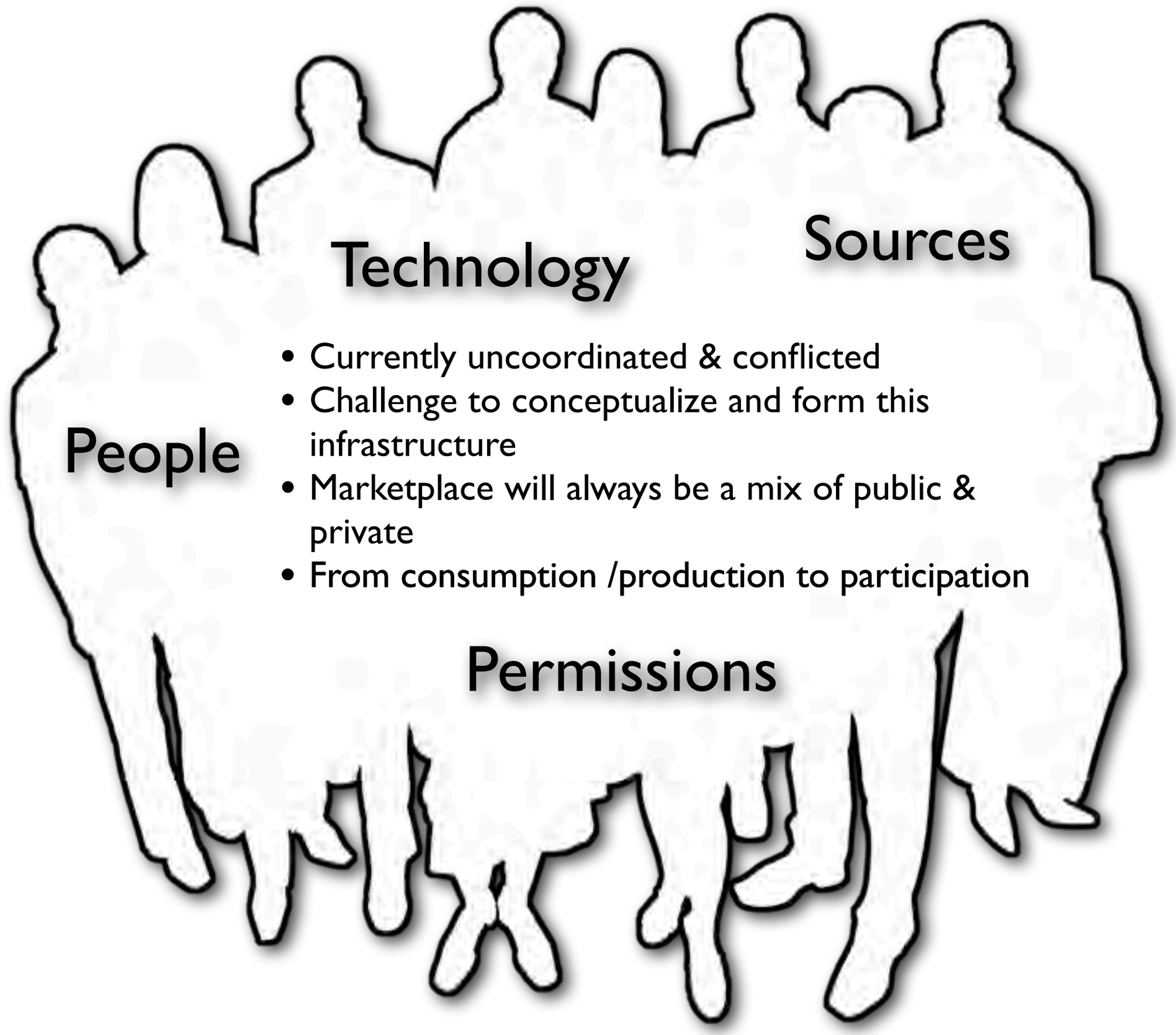

Knowledge Infrastructure

- From consumption /production to participation

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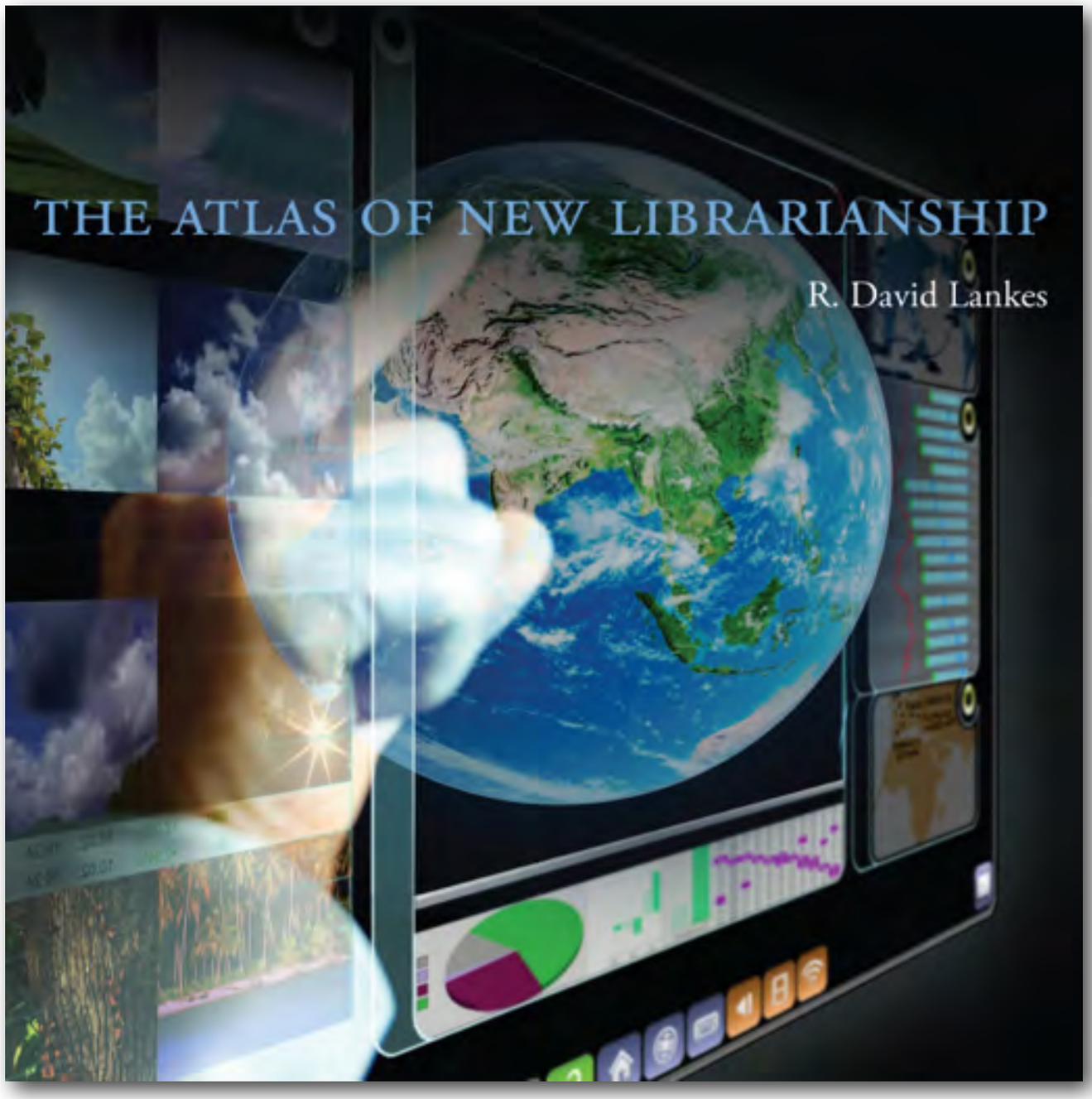
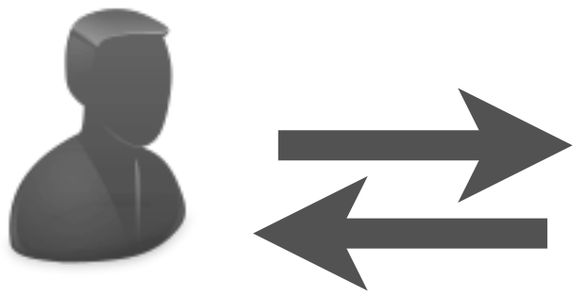




Corpus

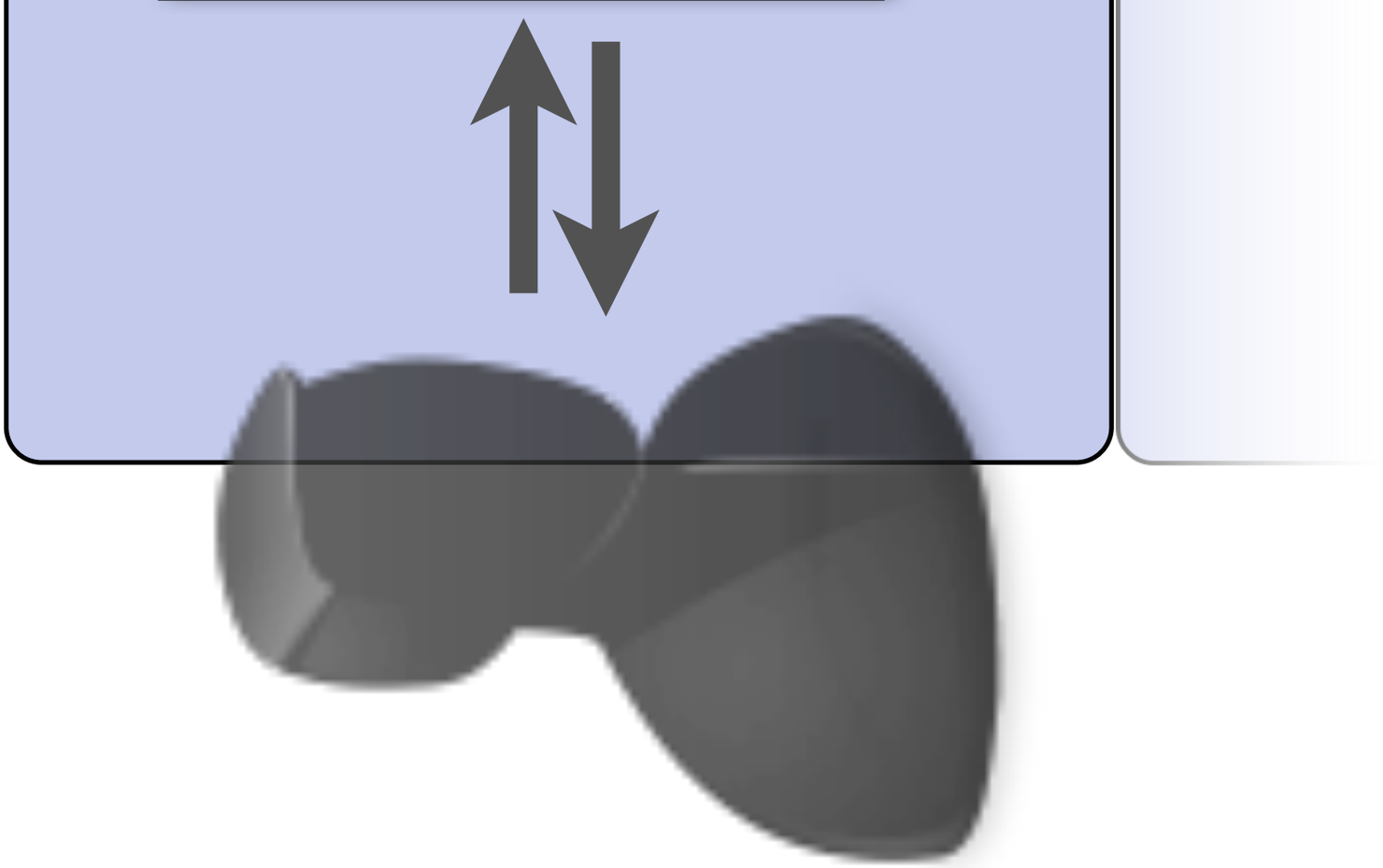
Algorithms

System Constraints

Corpus

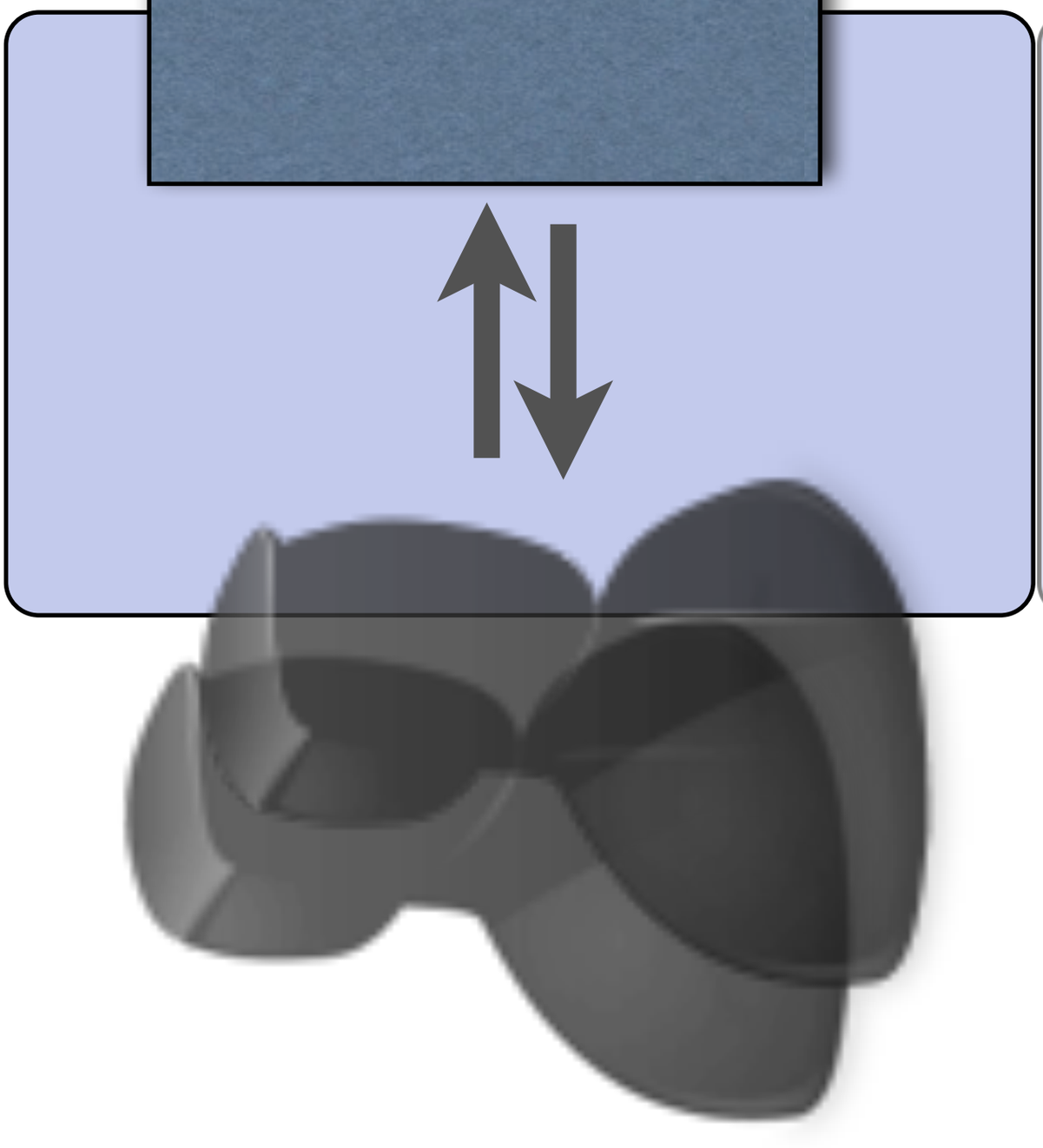
Algorithms

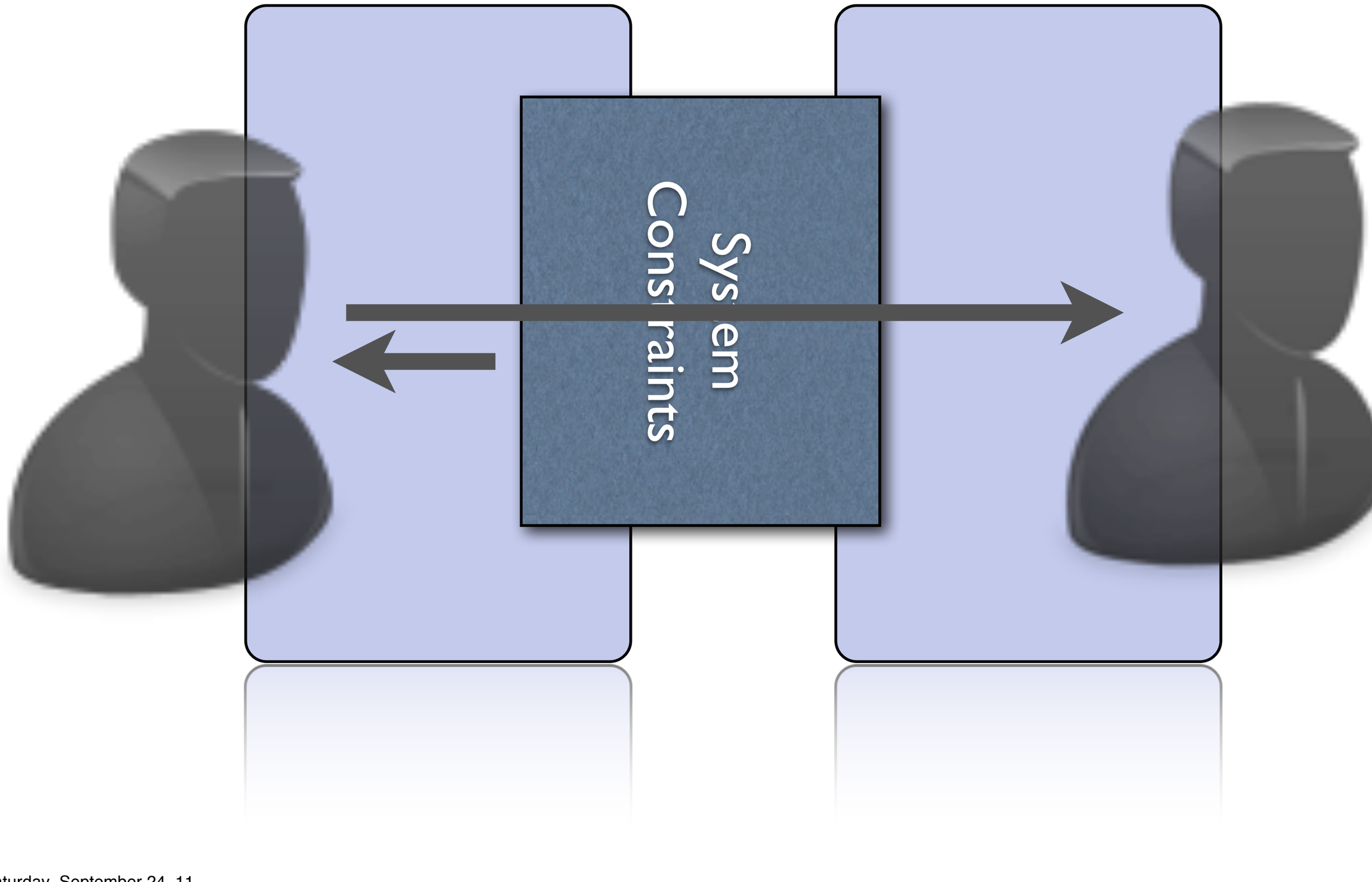
System Constraints

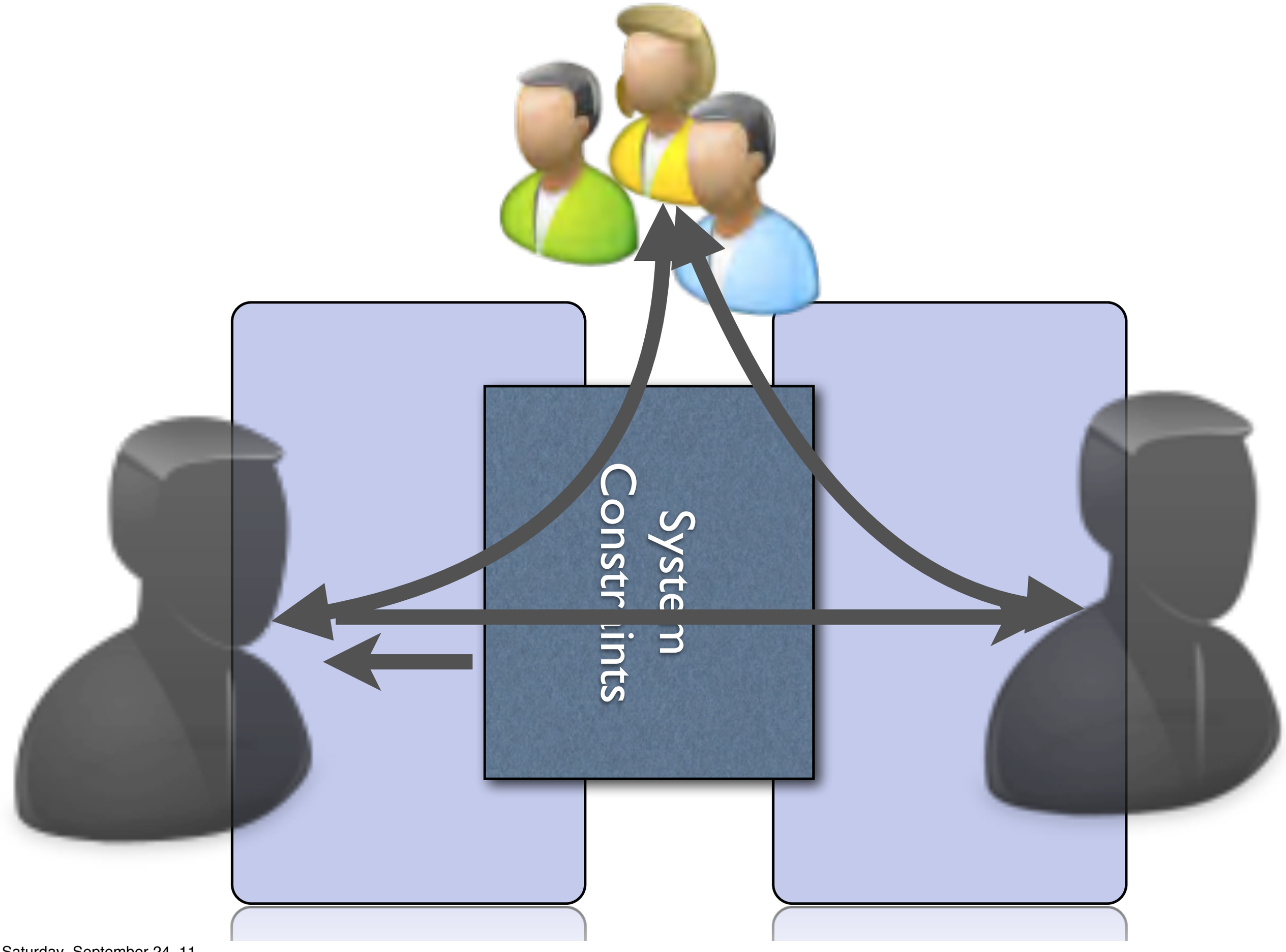


Algorithms

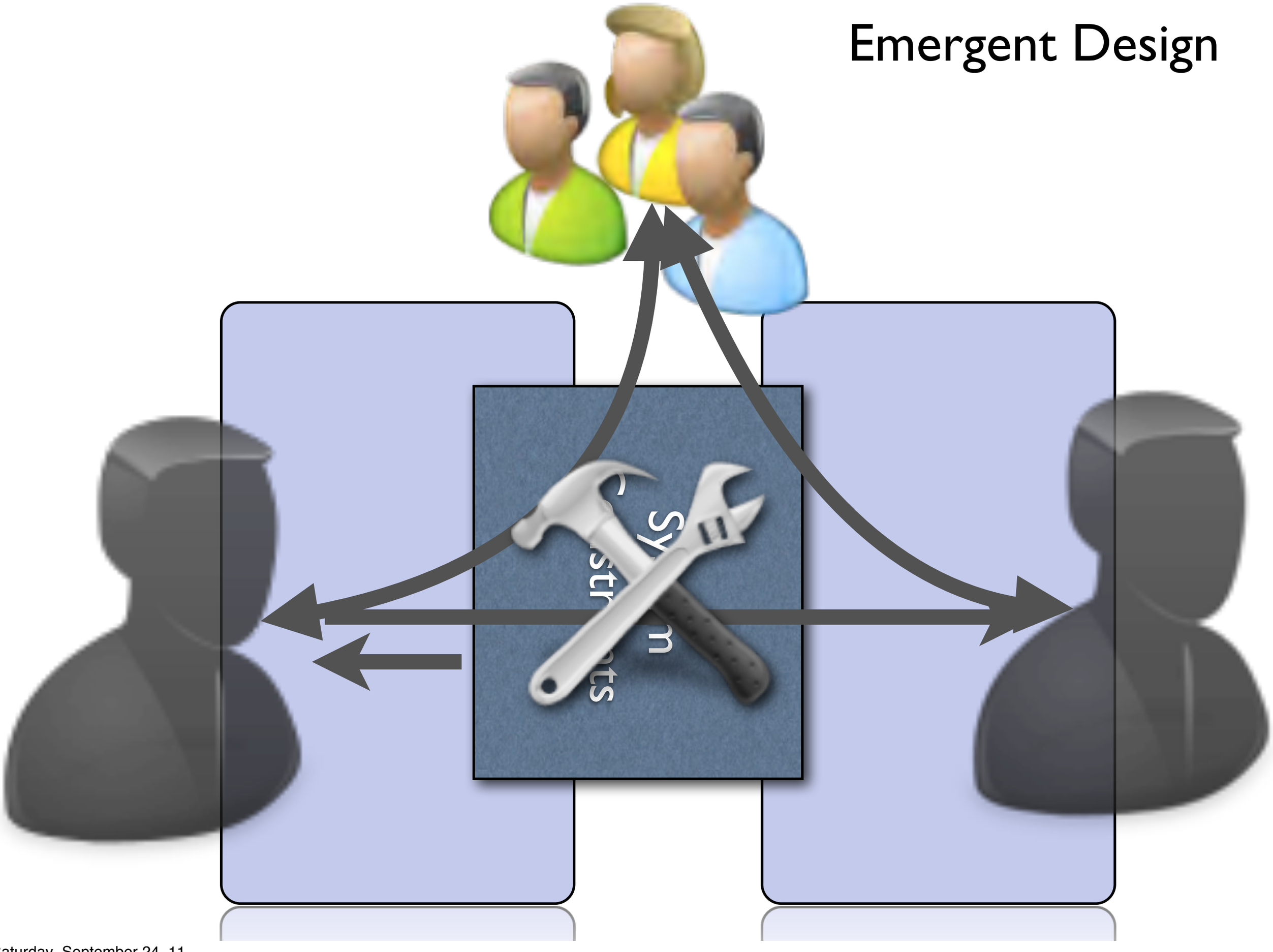
System Constraints




Constraints System


System
Constraints

Emergent Design



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The Grand Challenge:
Coordinating the Knowledge Infrastructure to Unlock the Potential and Passions of Society