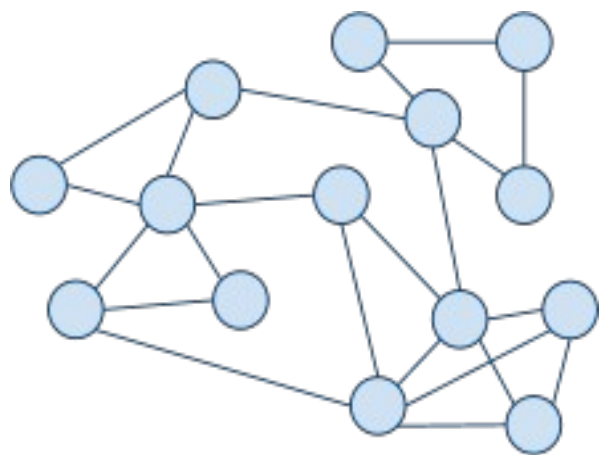
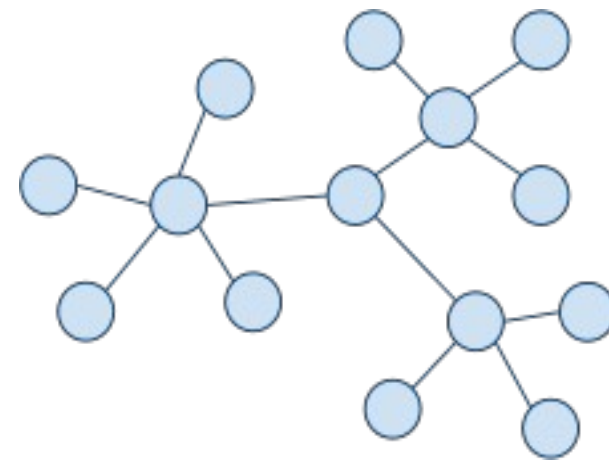


Deploying Time Banking for Human-Scaled Economic Development

Marc Brakken, Stephanie Rearick,
and Preston Austin

Time For the World
<http://timeftw.org>

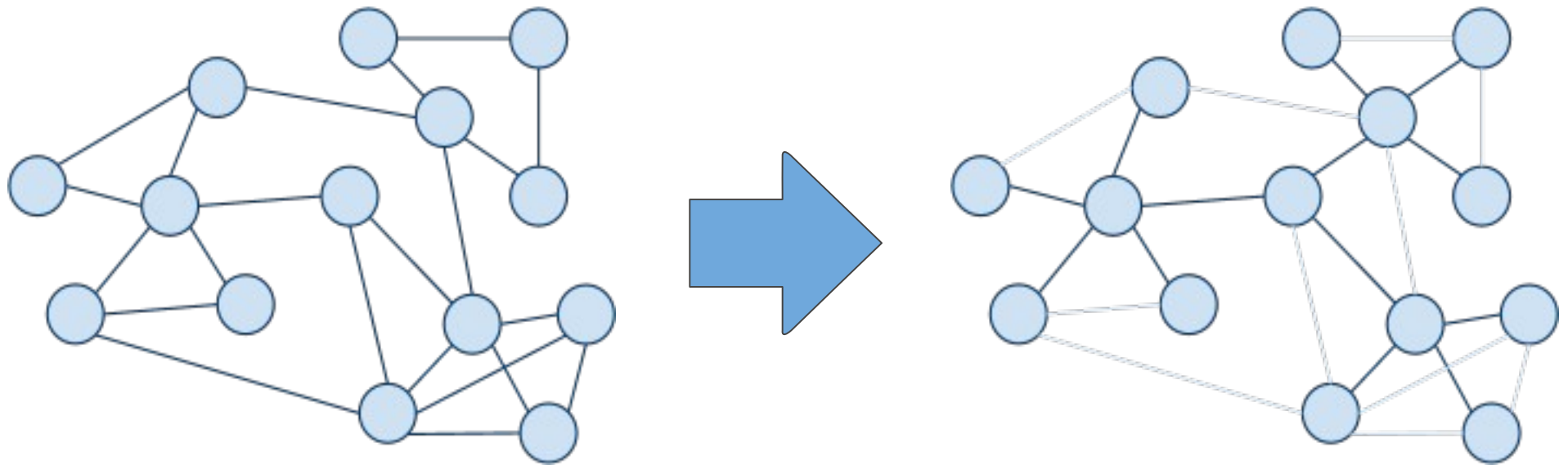




System development as problem solving strategy

Linearized and codified behaviors appear as structures

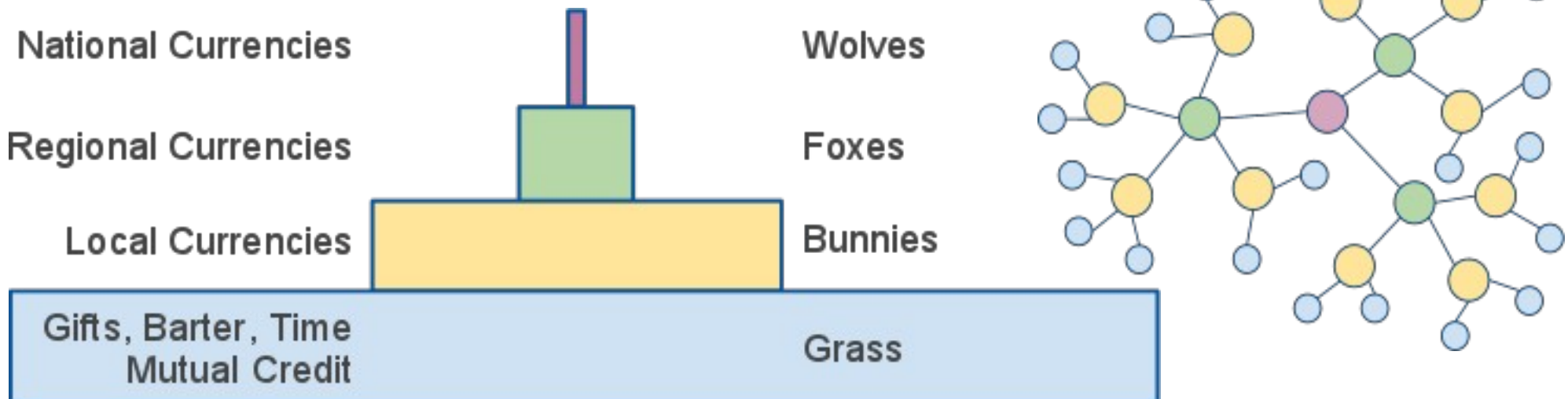
Systems generate structure to facilitate particular behavior



Emergent structures do not remove entangled behaviors, but they elide those behaviors

Economics of ecology/Ecology of economics

- Apex species depend on primary producers
- Energy is refined and transformed through levels
- Refinement increases power, reduces flexibility
- Value is infinite at the bottom/edge, refined and delimited into particular forms of wealth in each higher level
- Value refines up; wealth degrades down
- Empower primary producers, entire system is empowered



Issues with structural solutions

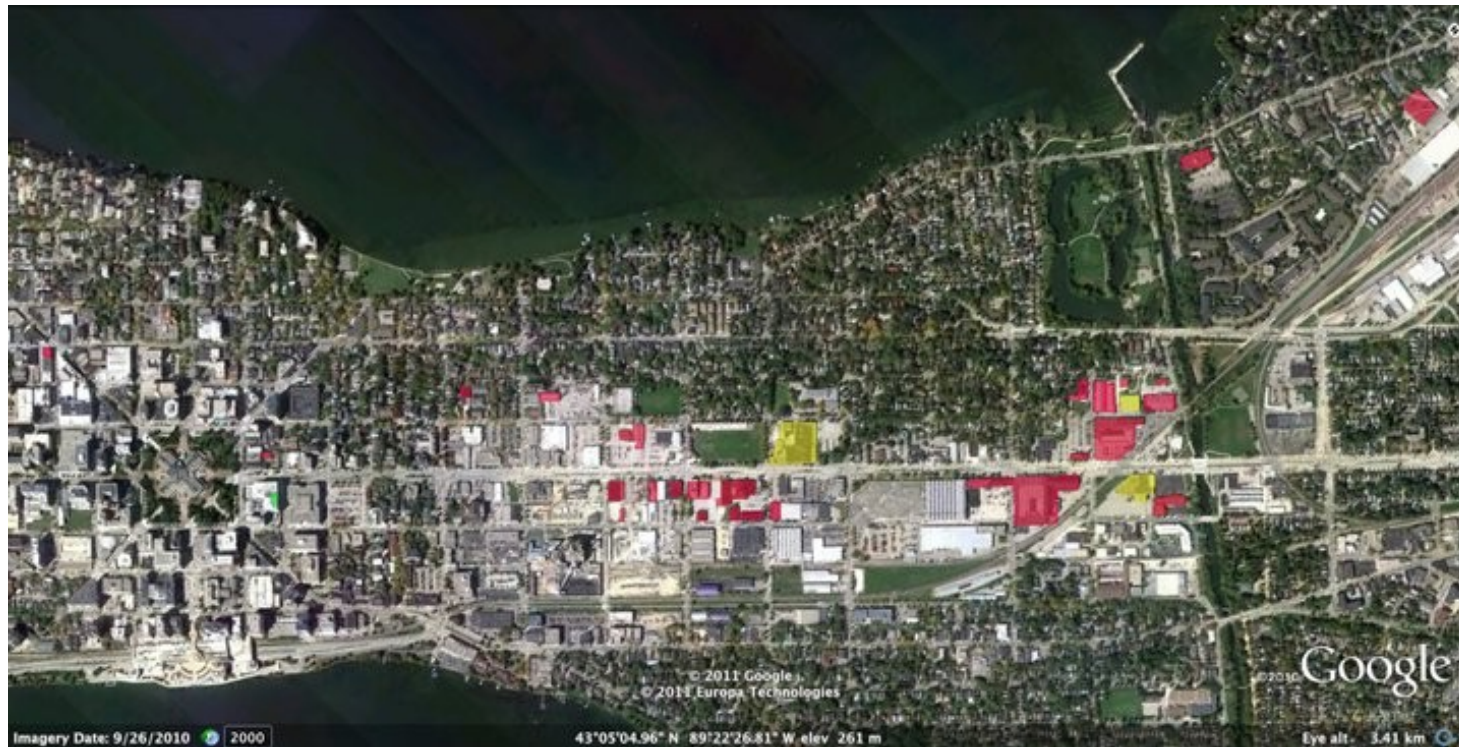
- Eg. Building projects, downtown redevelopment
- Focused top-down/center-out investment
- Subsidy becomes increasingly scarce as it flows down/out
- Minimal attention to upward refinement of value, selects for competition and funds capture
- Solutions rely on continued external funding



Do we lack infrastructure or capability?

Dynamic solutions

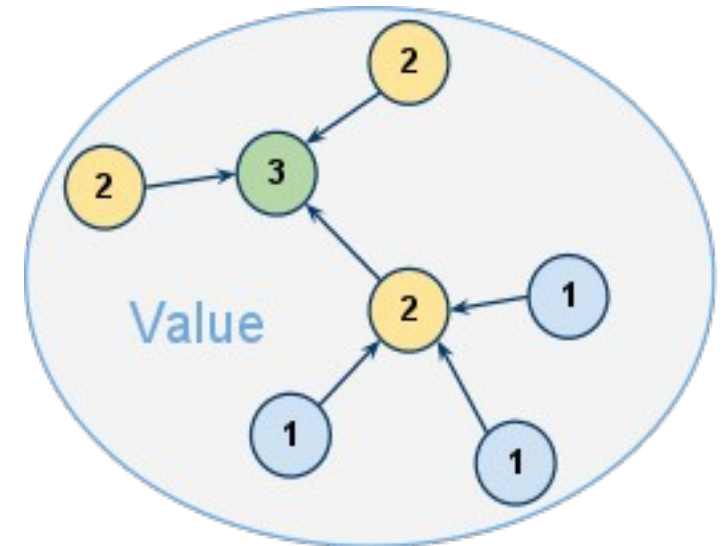
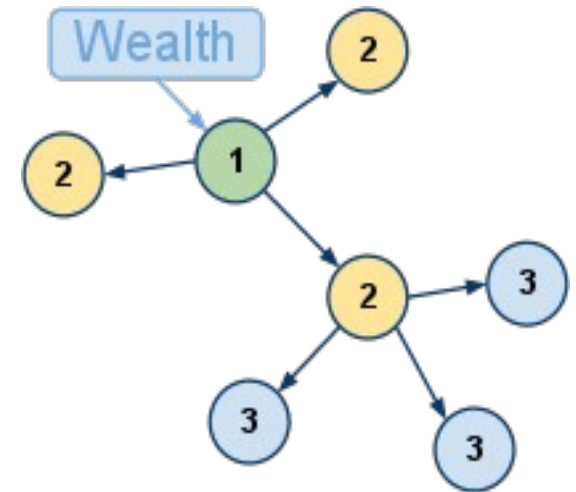
- Empower & facilitate individual and collective action
- Generate value-refining and wealth-creating exchanges
- Foster infrastructure use via decentralized action
- Prioritize creativity, novelty, and experimentation



We have capability. We have infrastructure.
We have demand. We need connection.

Time banking: from structure to dynamics

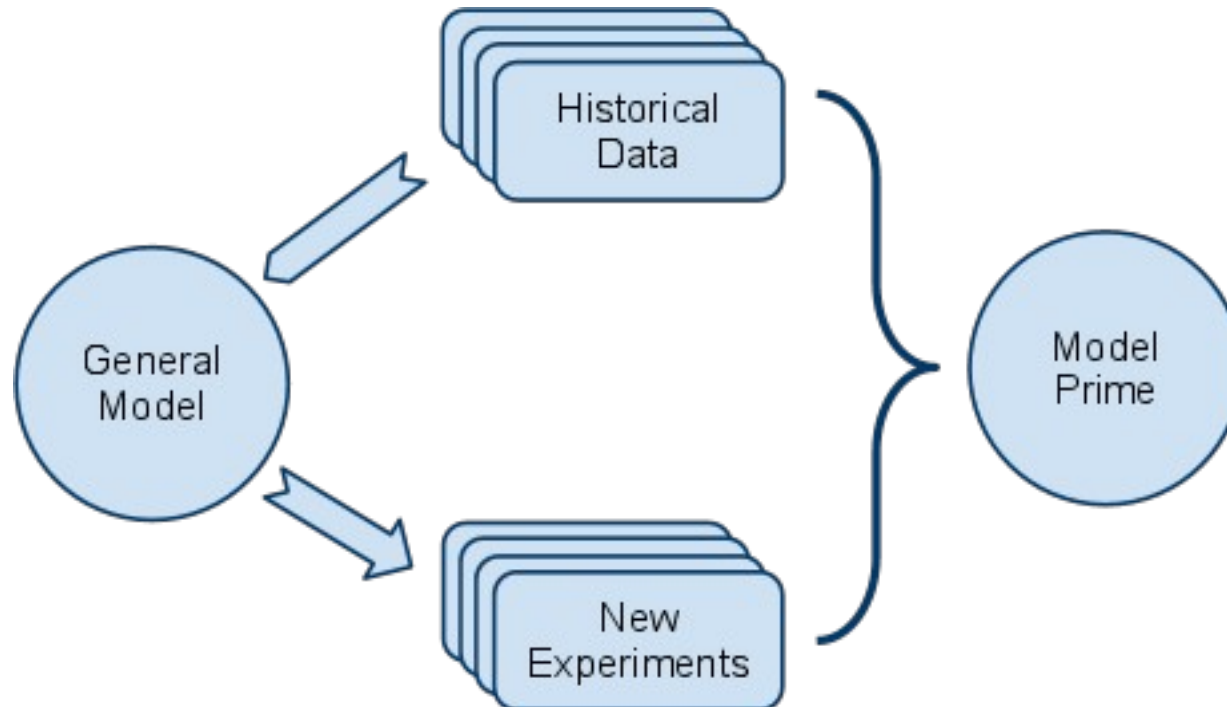
- Observed focus presumes understanding
 - Establishing a 'bank'
 - Acquiring expertise
 - Constrained by wealth
 - Coordination
 - Volunteerism
- Prospective focus seeks understanding
 - Recognizing exchanges
 - Experiential learning
 - Constrained by recognized value
 - Awareness
 - Reciprocity



Enacting empowered economies

Research: Extending best practices

- Analysis of current and past experiments
- Construct a general model mappable to local circumstance
- Recognize and respond to socio-ecological conditions
- Develop metrics & visualizations for in-field analysis
- Parallel with models of complementary systems



Enacting empowered economies

Experiments: Expanding projects we do

- Learning from actual human behavior
- What projects offer wide return and empowerment?
 - Community gardens
 - Youth courts
 - Prison reentry
 - Price-based mutual credit
 - Education/literacy programs
 - Elder care
- How do we enact decentralized structures?
 - Leadership ladder
 - Training and support capacity and tools - learn from other systems of effective knowledge dissemination
- Interfacing with other currency systems: How do we make complementary currencies complementary?

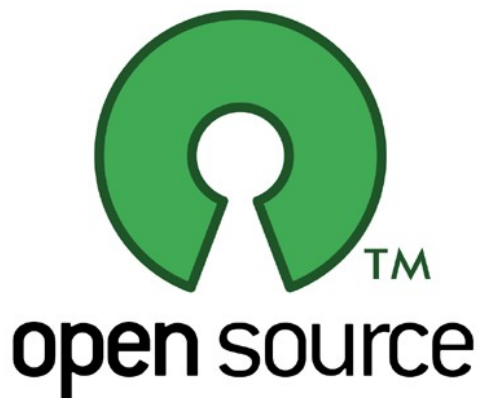
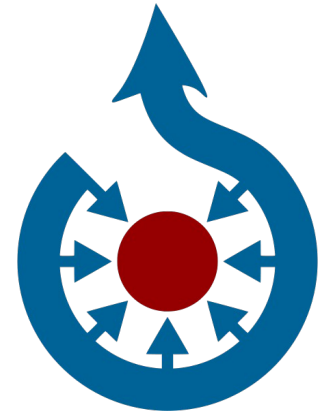
Enacting empowered economies

Tools that are owned and advanced in common

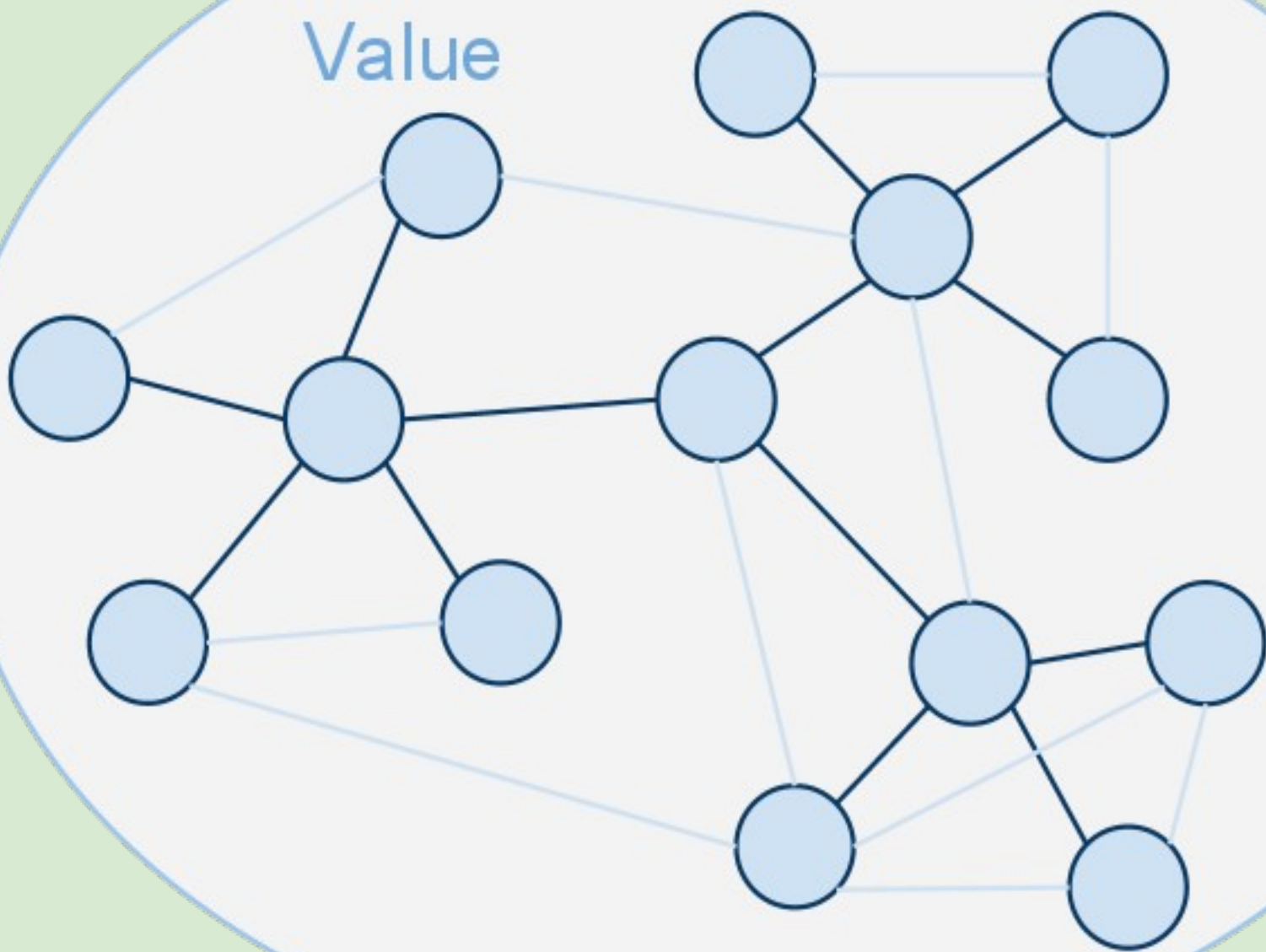
- Unencumber baseline software & media - €0, free & open
- Support weakly-centered planning and coordination
- Distribute asset and need cataloging and mapping tasks

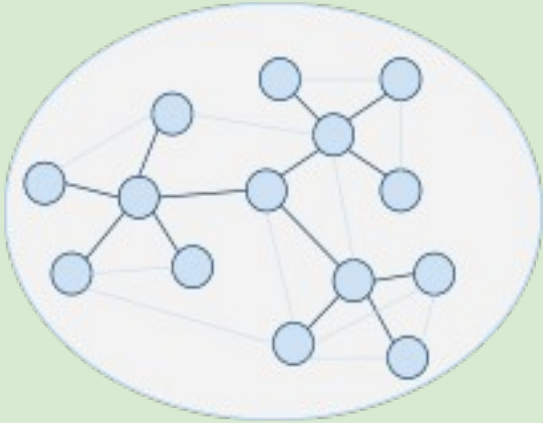
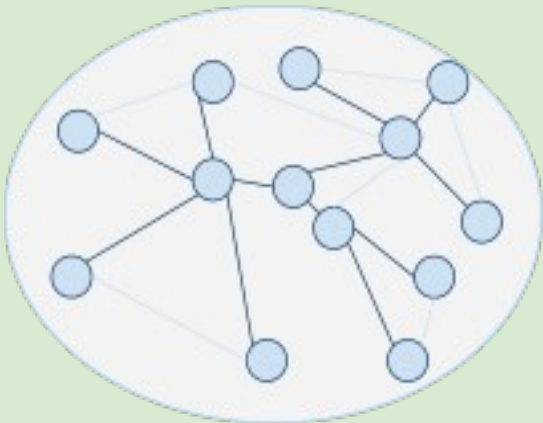
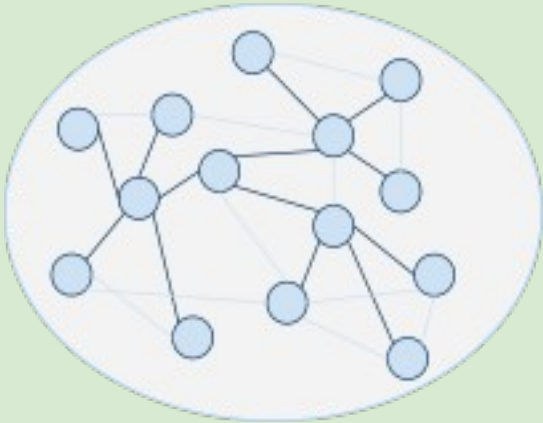
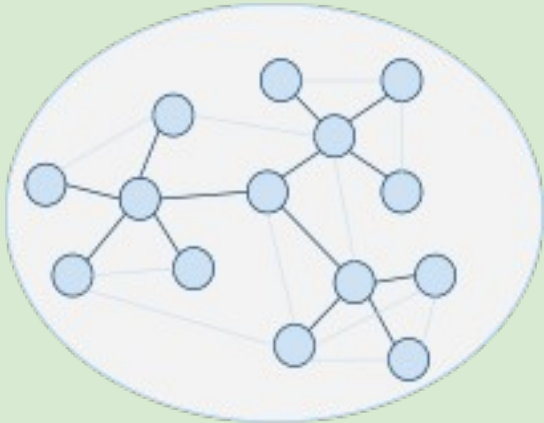
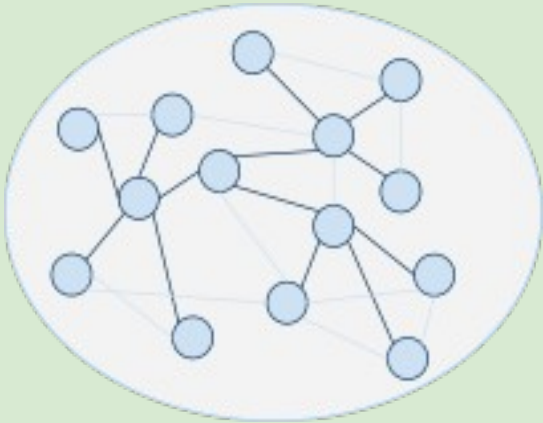
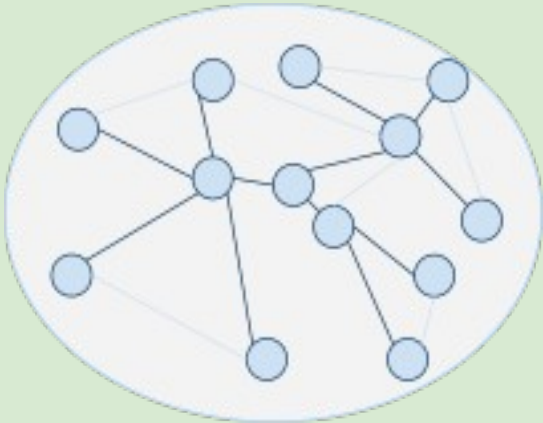
Supporting a culture of reciprocal advances

- Facilitate resharing of innovation
- Facilitate upscale data aggregation

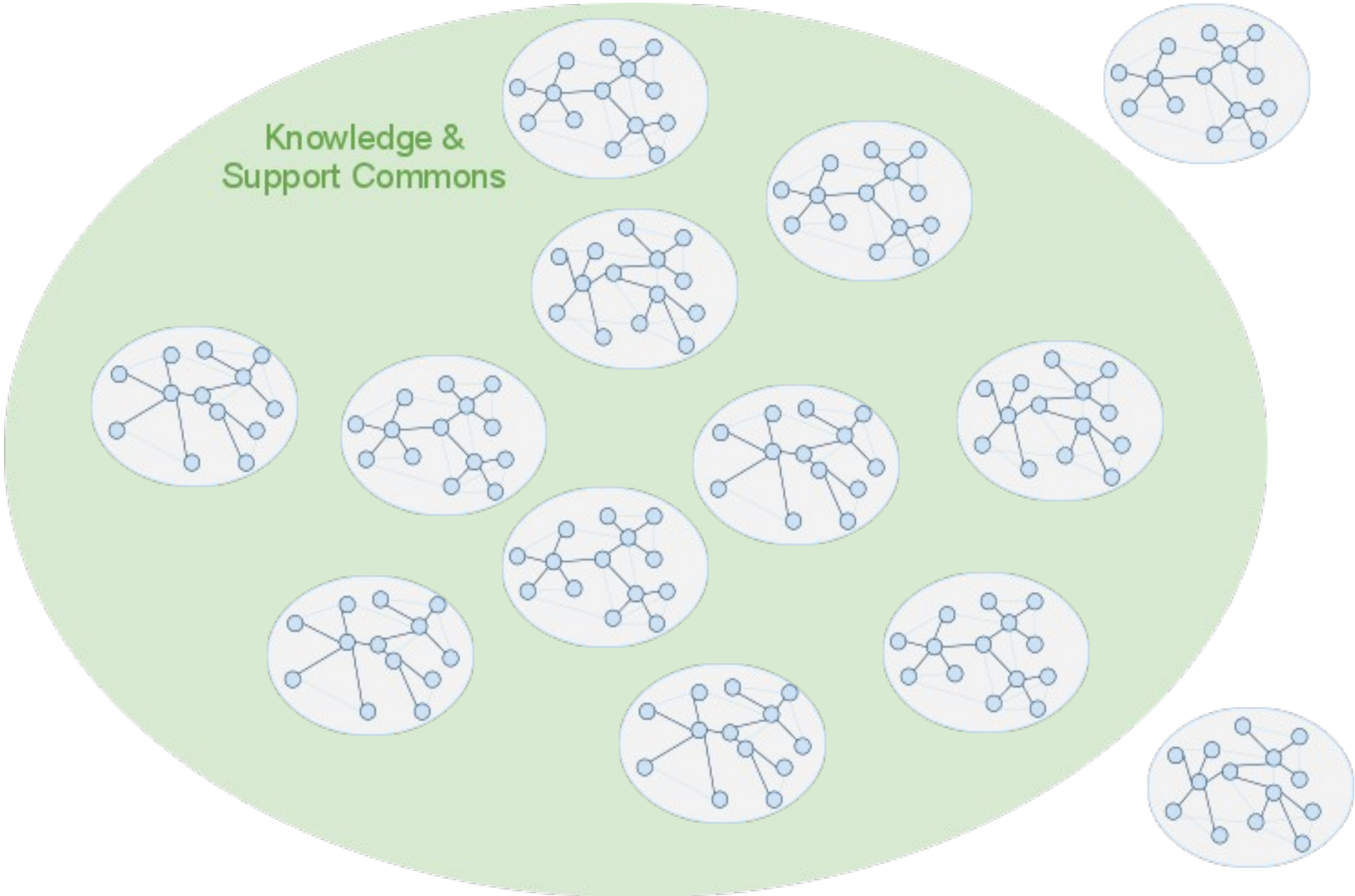


Value





Knowledge & Support Commons



Thank you.

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Time For the World

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