


Learning with Each Other: Bringing Voices Together to Explore Safe Systems

Jill Kuhlberg, PhD, MSW

Coffee & Conversation | May 8, 2018

NC STATE UNIVERSITY

HEALTH MATTERS

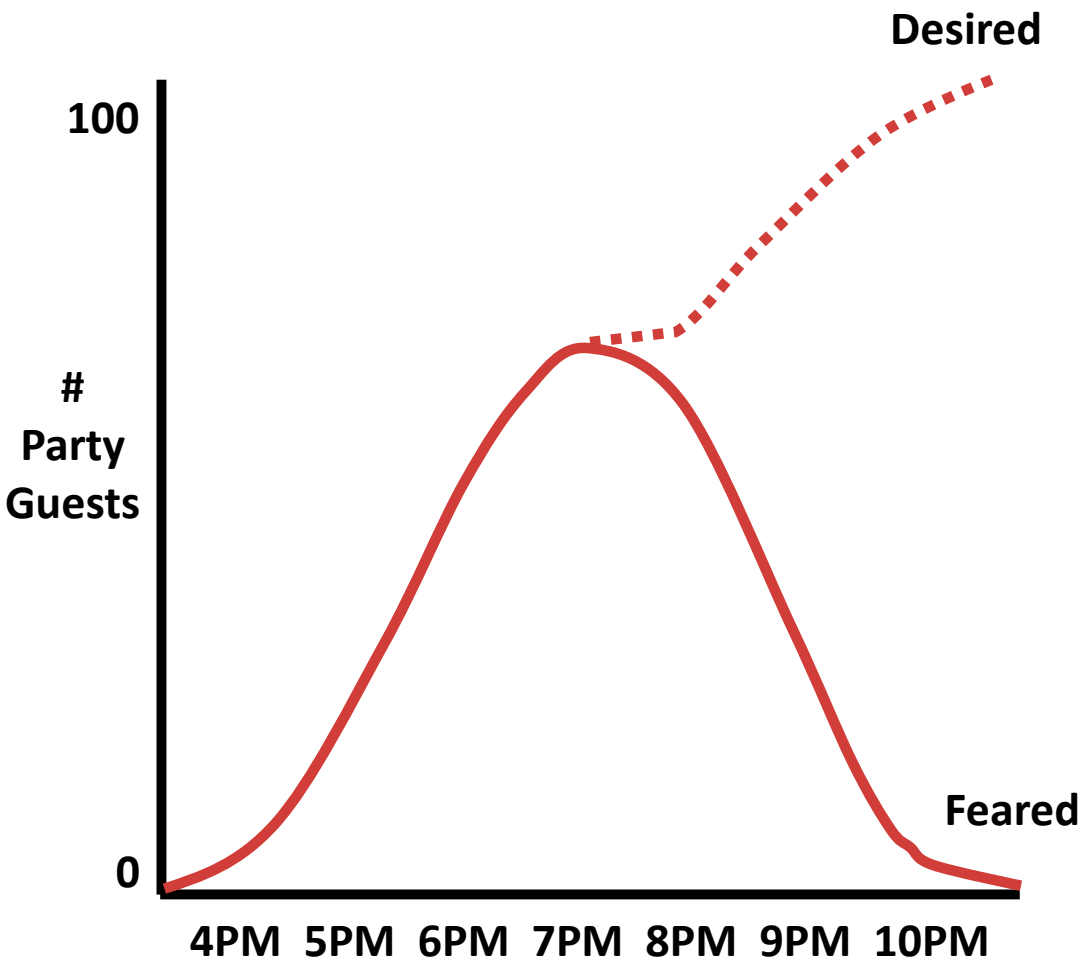
System Dynamics

System Dynamics

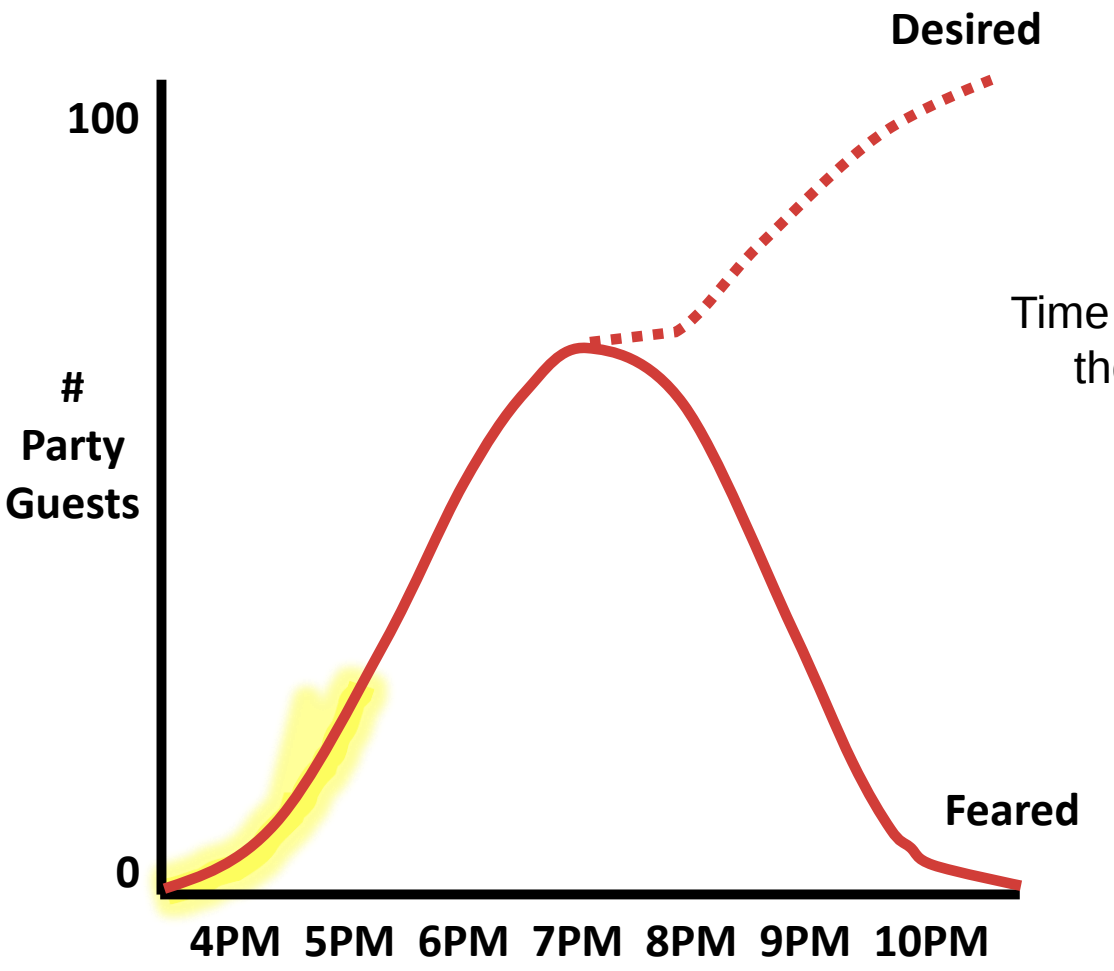
"System dynamics is the use of informal maps and formal models with computer simulation to uncover and understand endogenous sources of system behavior."

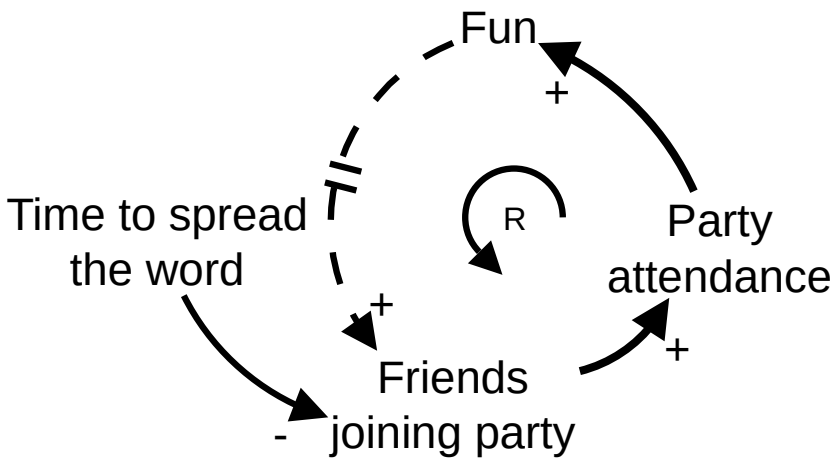
Richardson, G.P. (2011). Reflections on the foundations of system dynamics. *System Dynamics Review, 27*(*3*), 219-243.

Dynamics of Department Party Planning

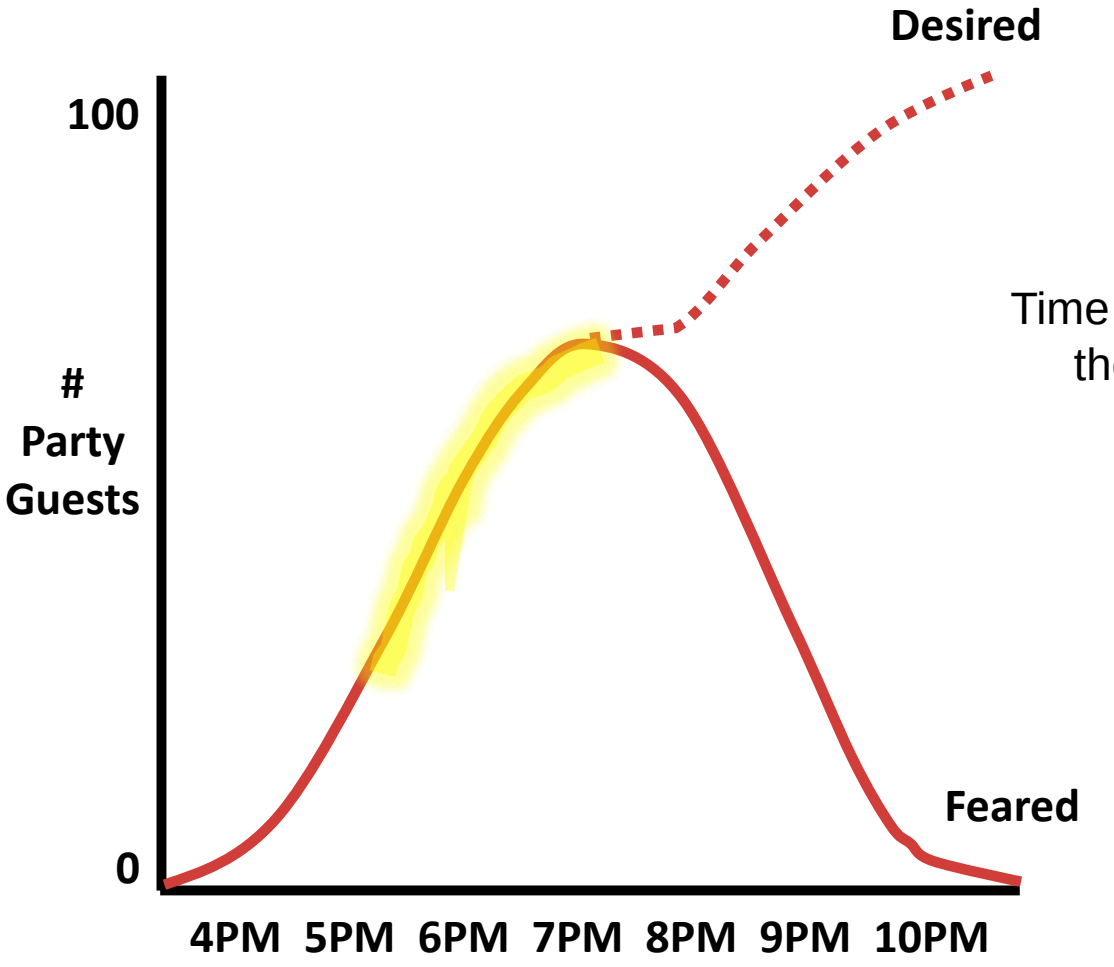


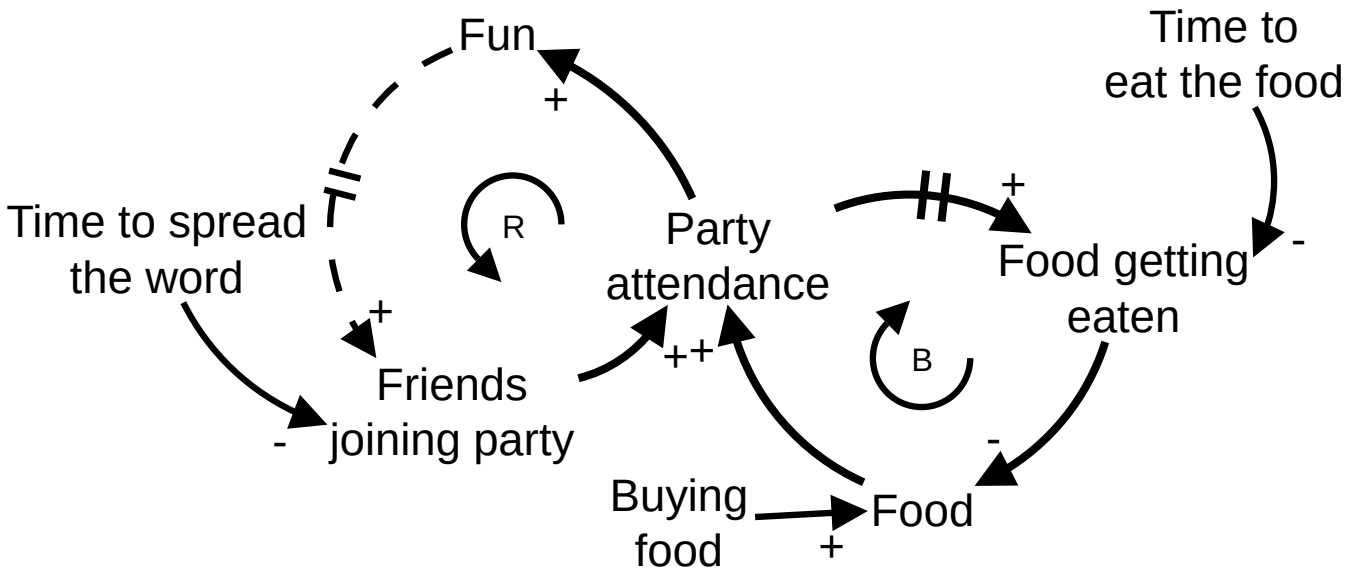
Dynamics of Department Party Planning



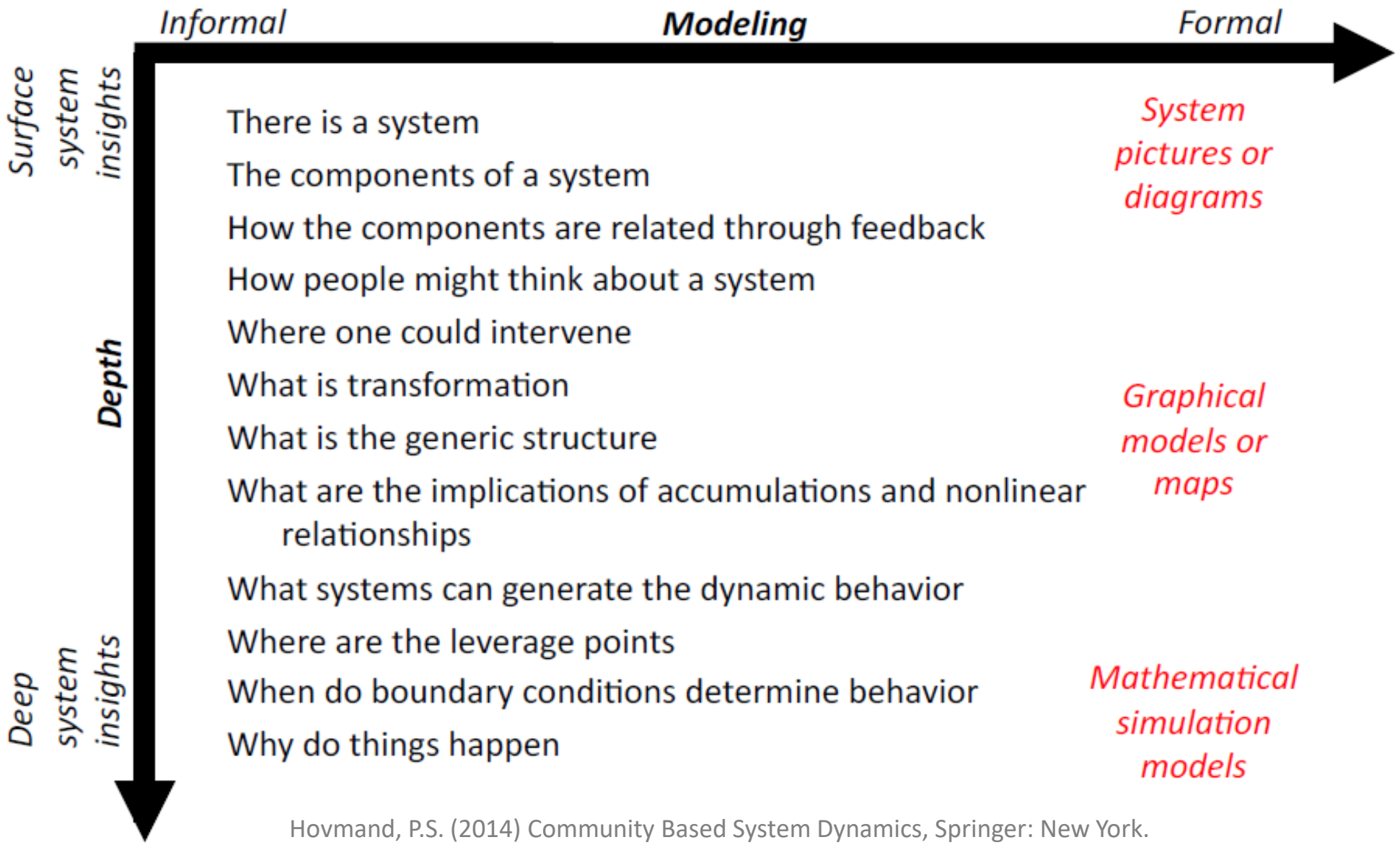


Dynamics of Party Planning



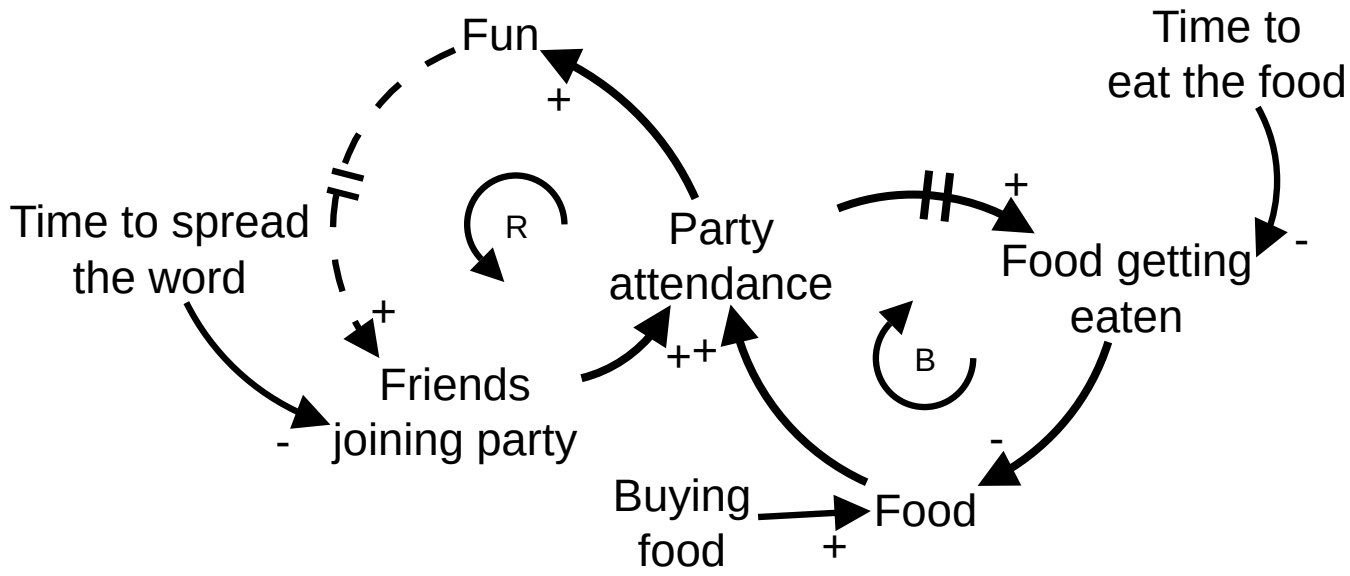


Modeling Insights



Hovmand, P.S. (2014) Community Based System Dynamics, Springer: New York.

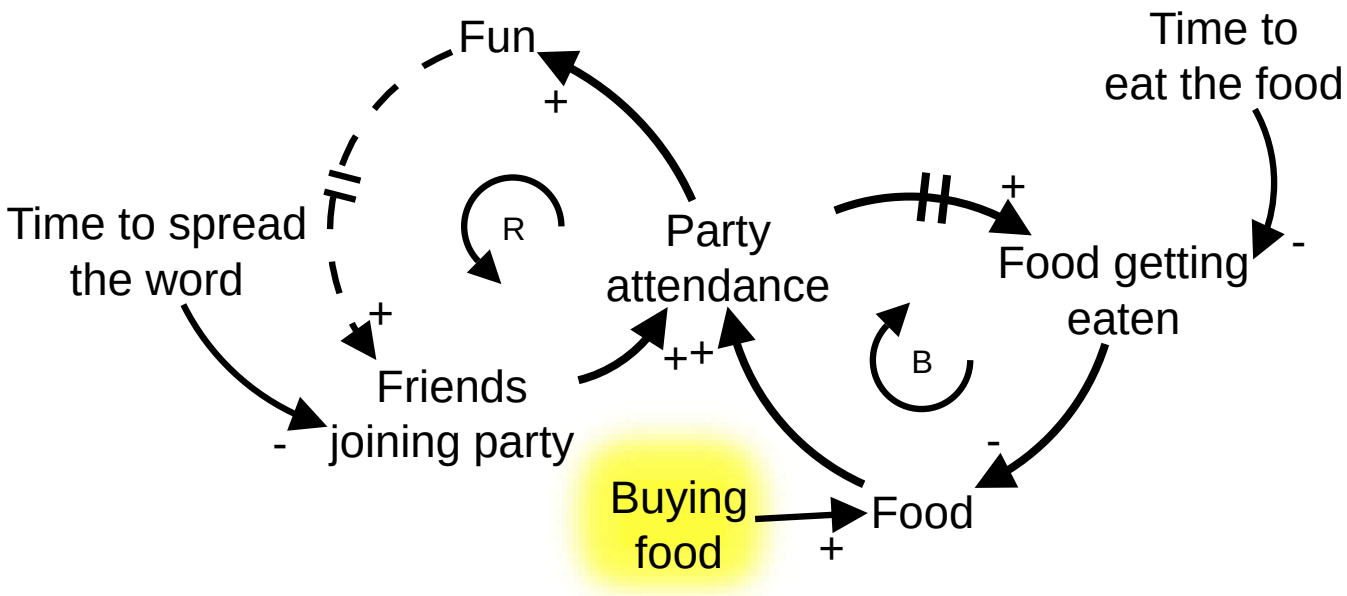
Places to Intervene in a System (in order from least effective to most)



Meadows, D. (1999) Leverage Points: Places to intervene in a system, Sustainability Institute.

Places to Intervene in a System

Changing parameters



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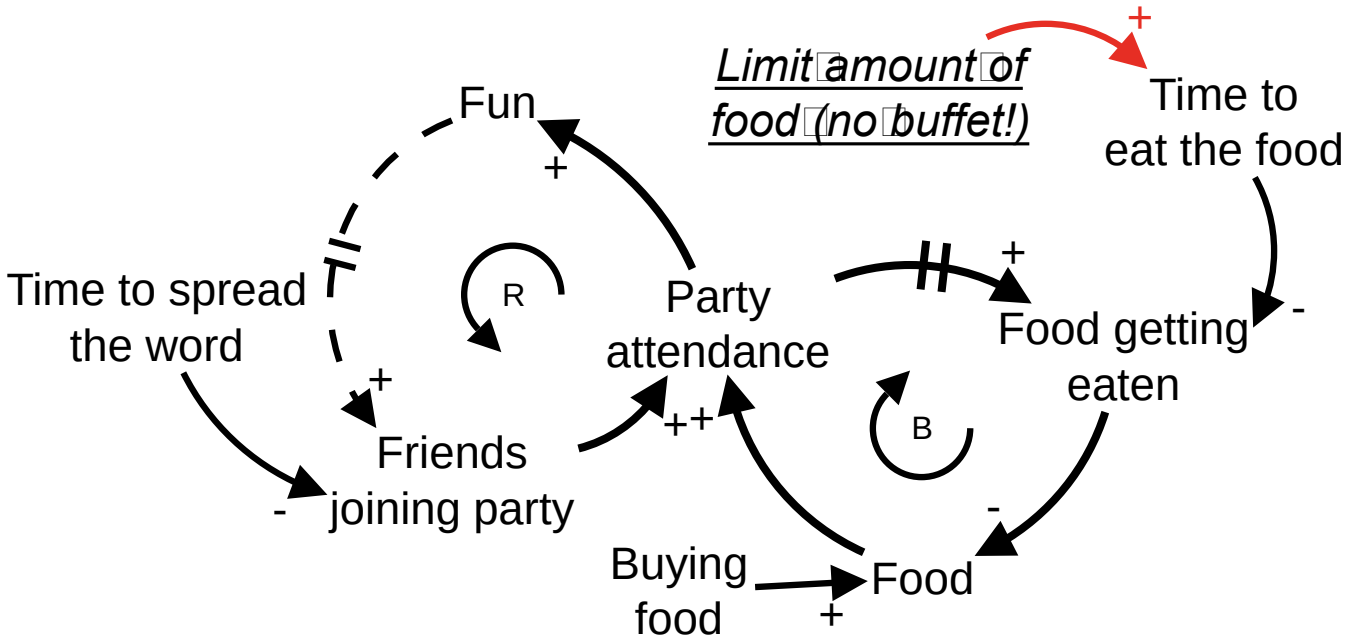
Places to Intervene in a System

Changing parameters

Regulating or driving feedback loops



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Places to Intervene in a System

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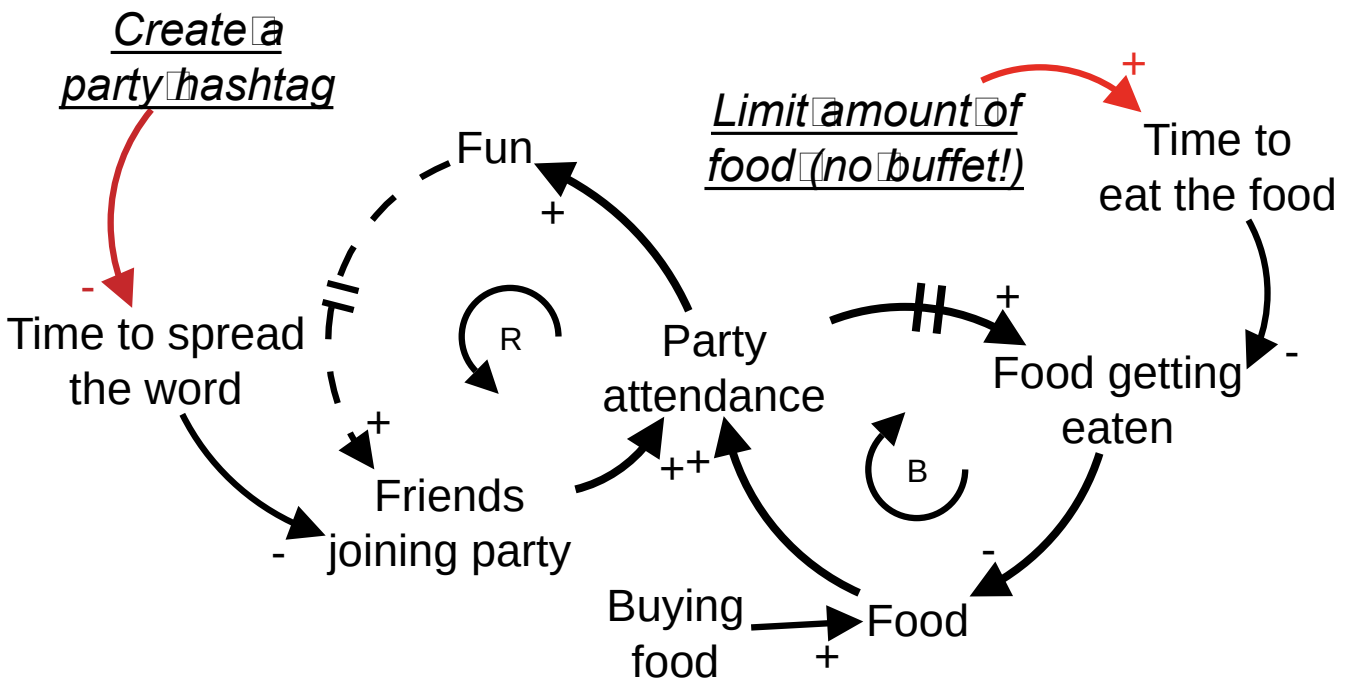

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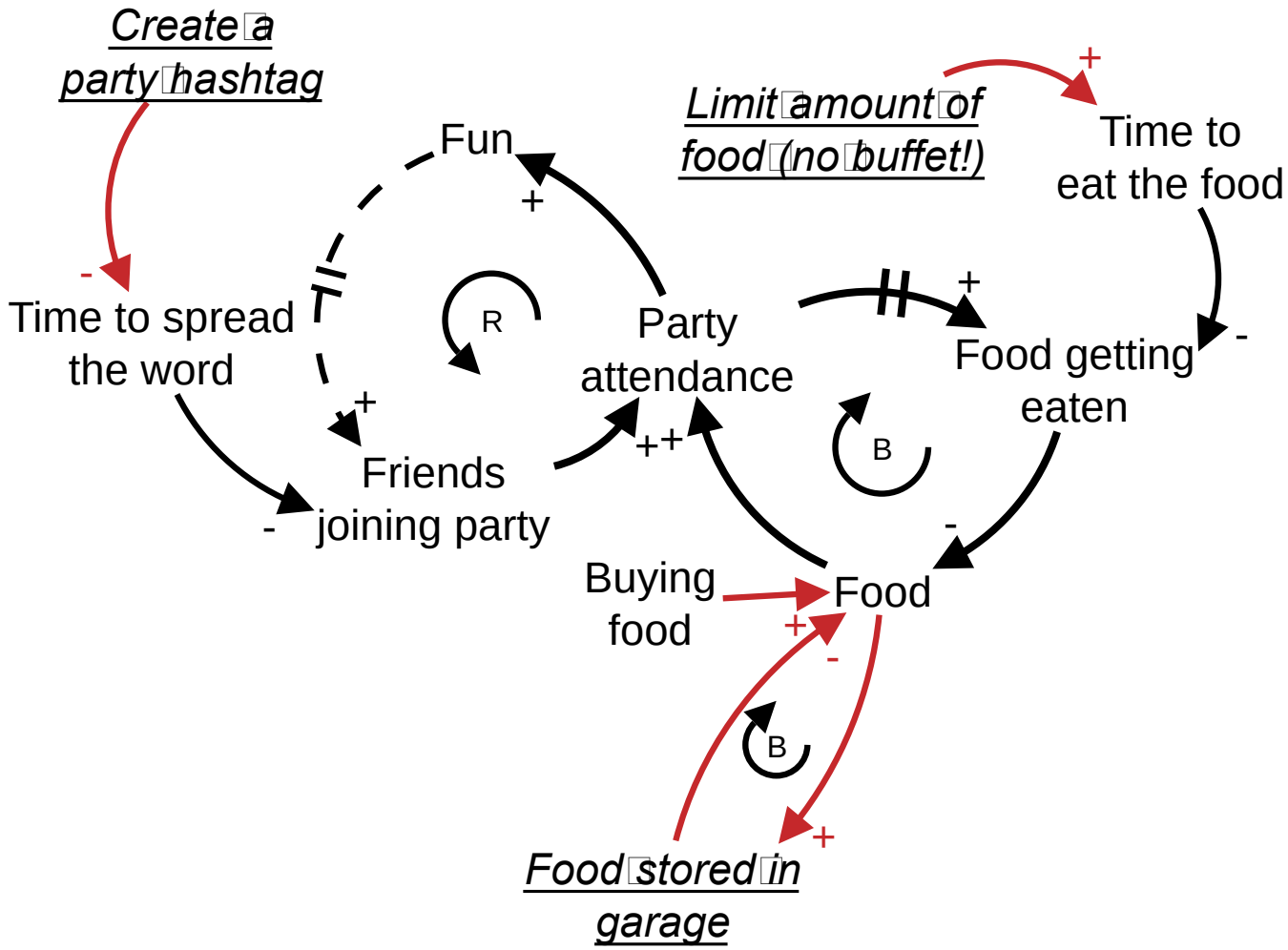
Places to Intervene in a System

Changing parameters

Regulating or driving feedback loops

Changing material or information flows



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Places to Intervene in a System

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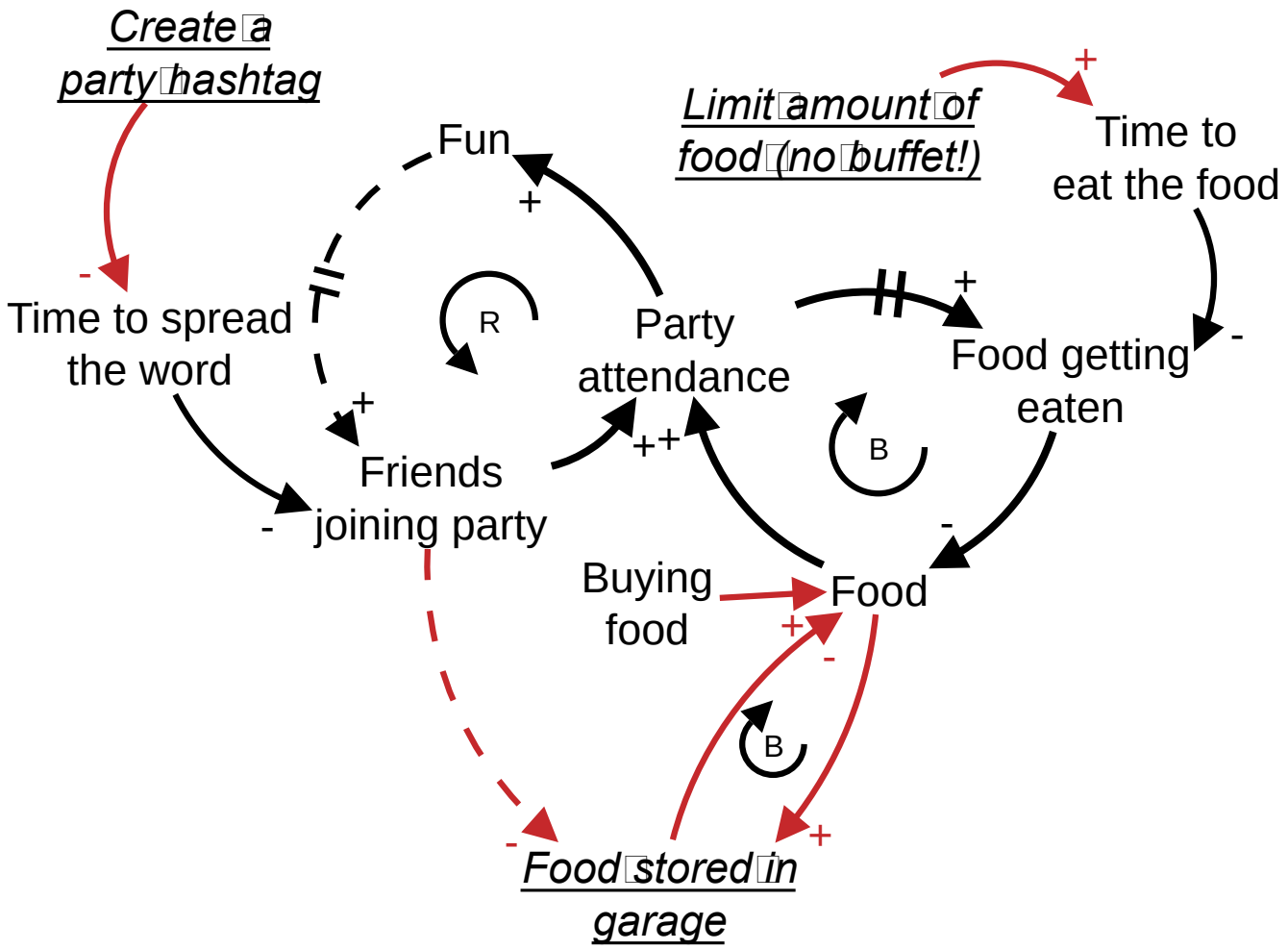
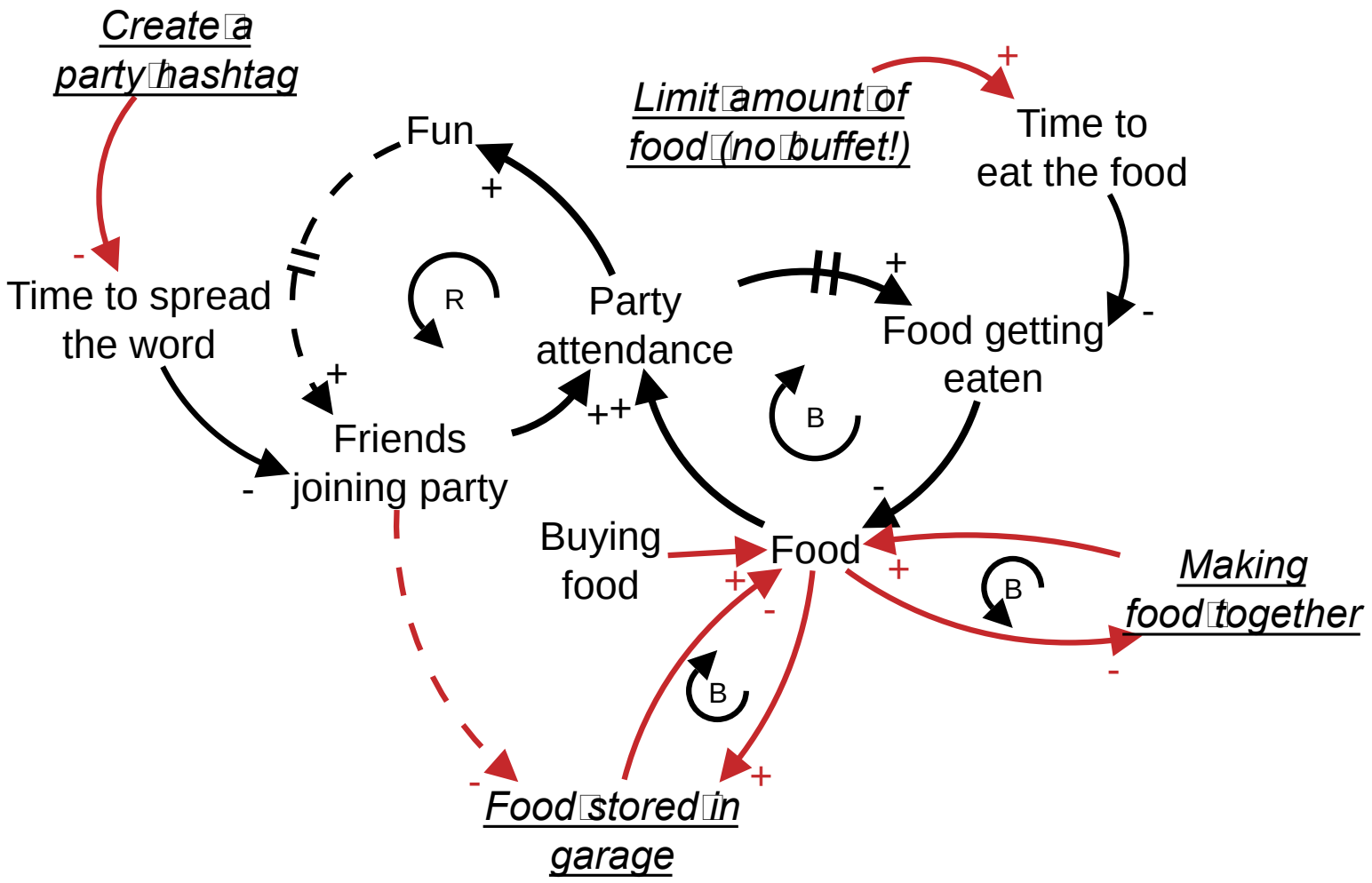


Meadows, D. (1999) Leverage Points: Places to intervene in a system, Sustainability Institute.

Places to Intervene in a System

- Changing parameters
- Regulating or driving feedback loops
- Changing material or information flows
- **Changing the rules**



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Places to Intervene in a System

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- Regulating or driving feedback loops
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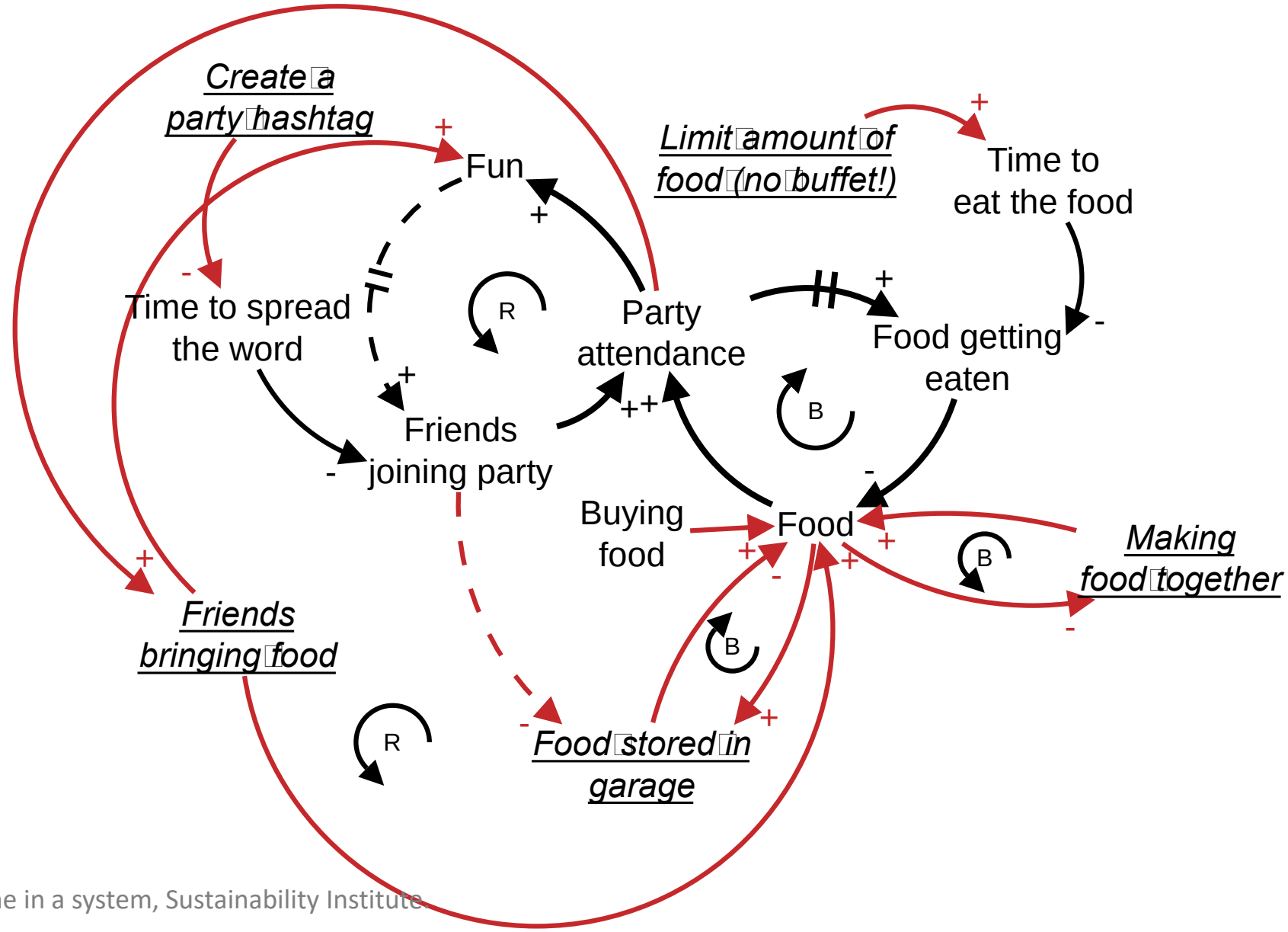

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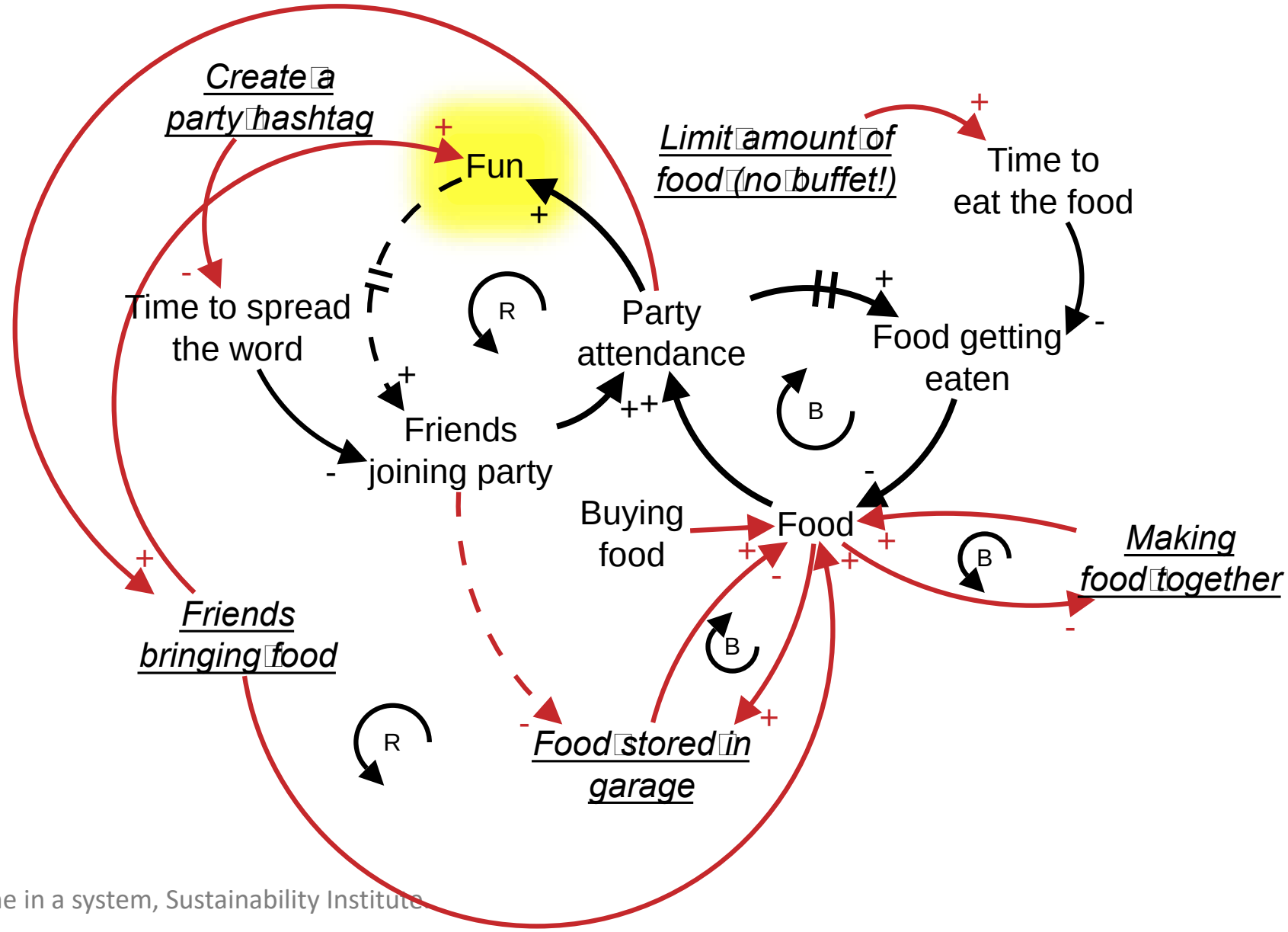
Places to Intervene in a System

- Changing parameters
- Regulating or driving feedback loops
- Changing material or information flows
- Changing the rules
- **Goals of the system**



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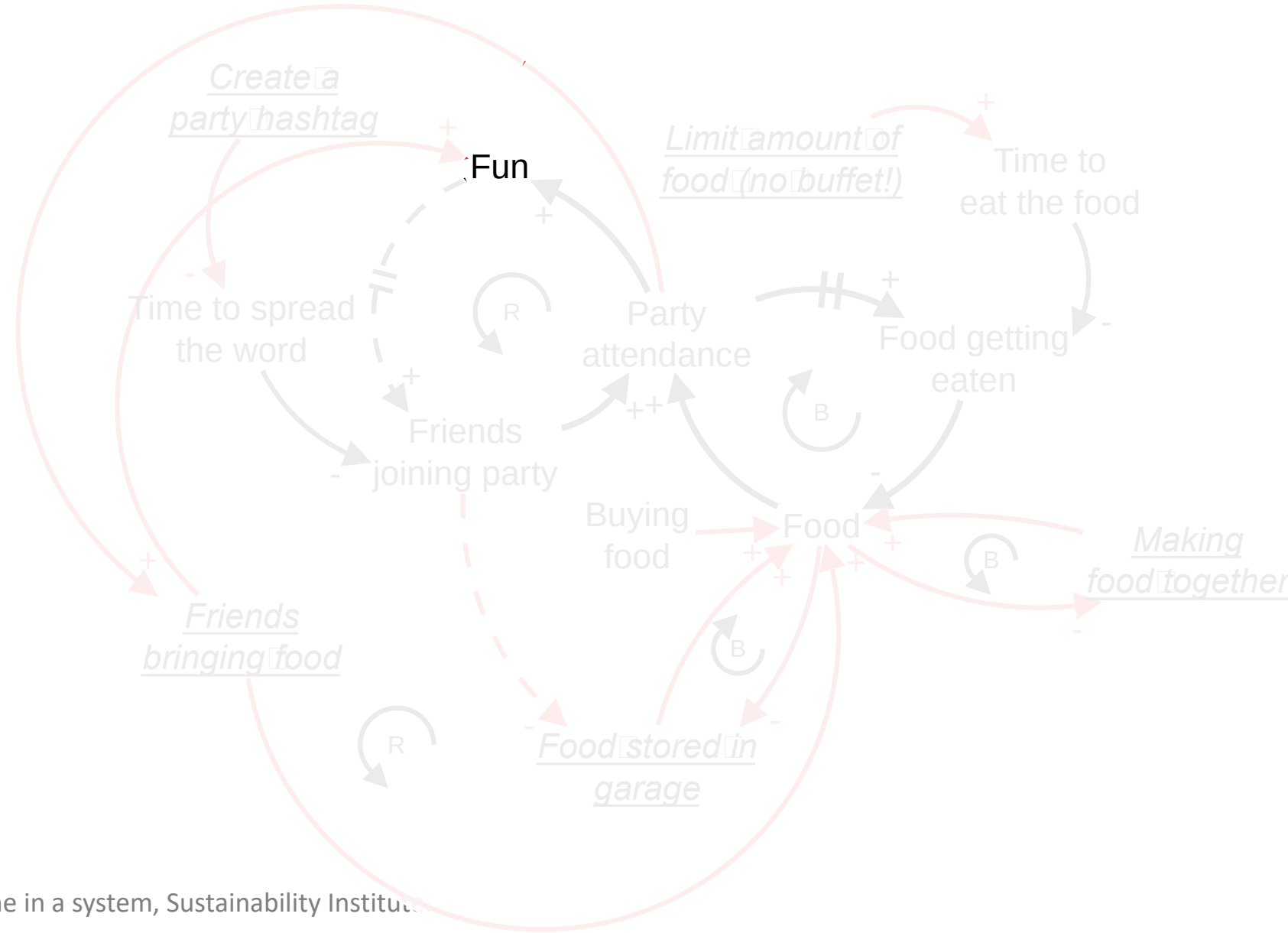
Places to Intervene in a System

- Changing parameters
- Regulating or driving feedback loops
- Changing material or information flows
- Changing the rules
- Goals of the system
- **Mindset or paradigm**



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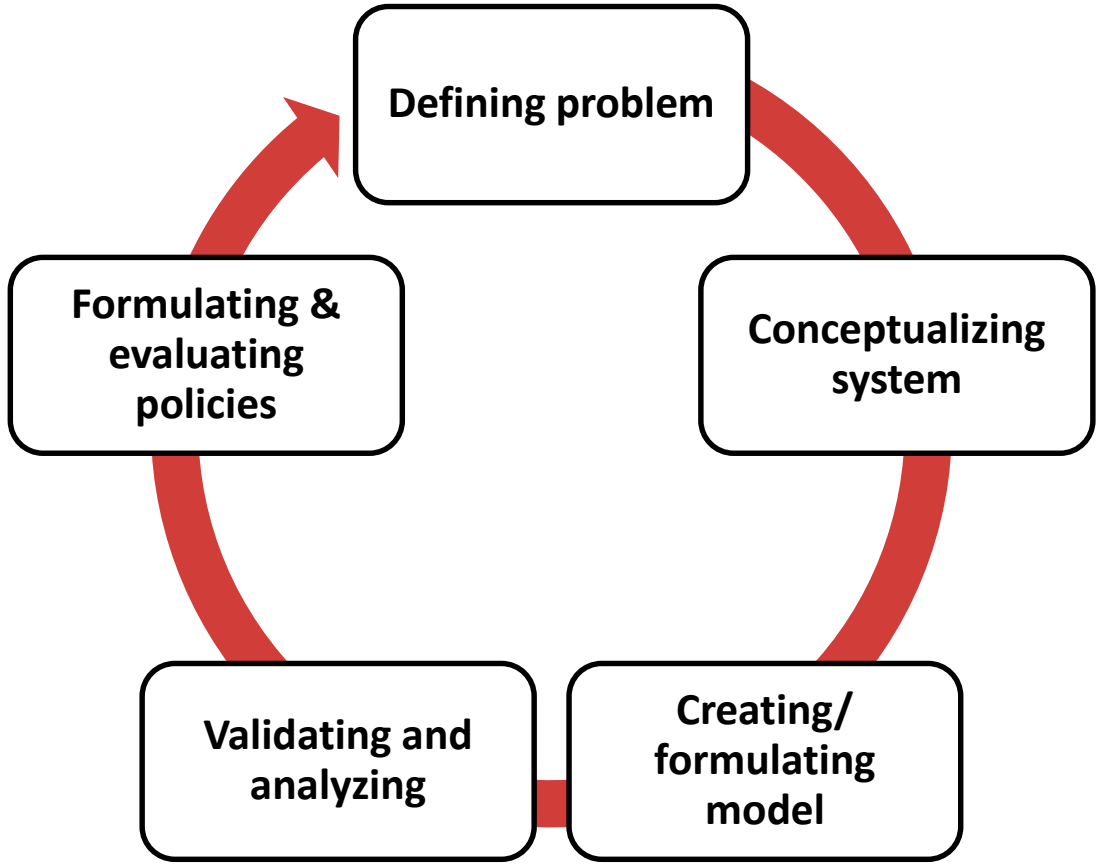
Community Based System Dynamics (CBSD)

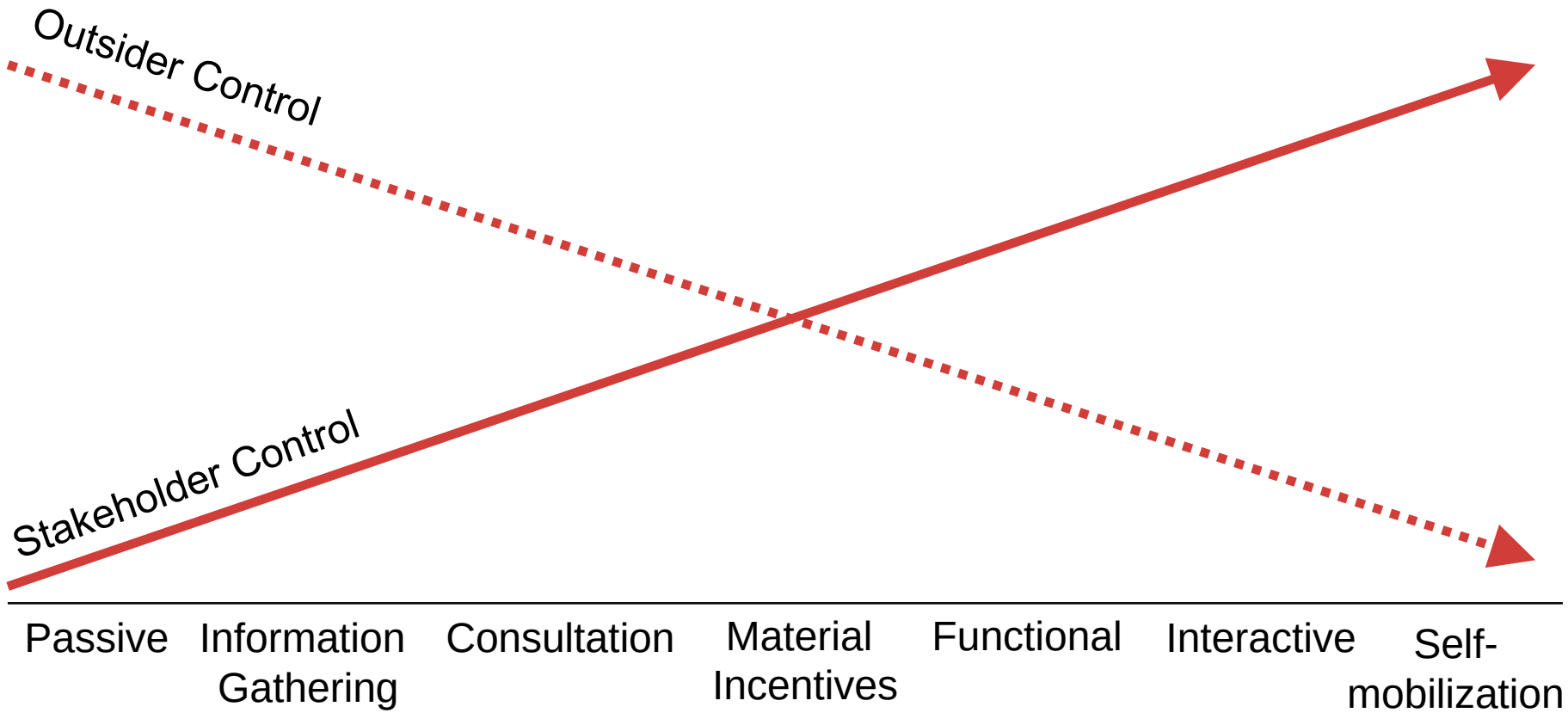
Community Based System Dynamics

- *A participatory method for involving communities in the process of understanding and changing systems from the endogenous or feedback perspective.*



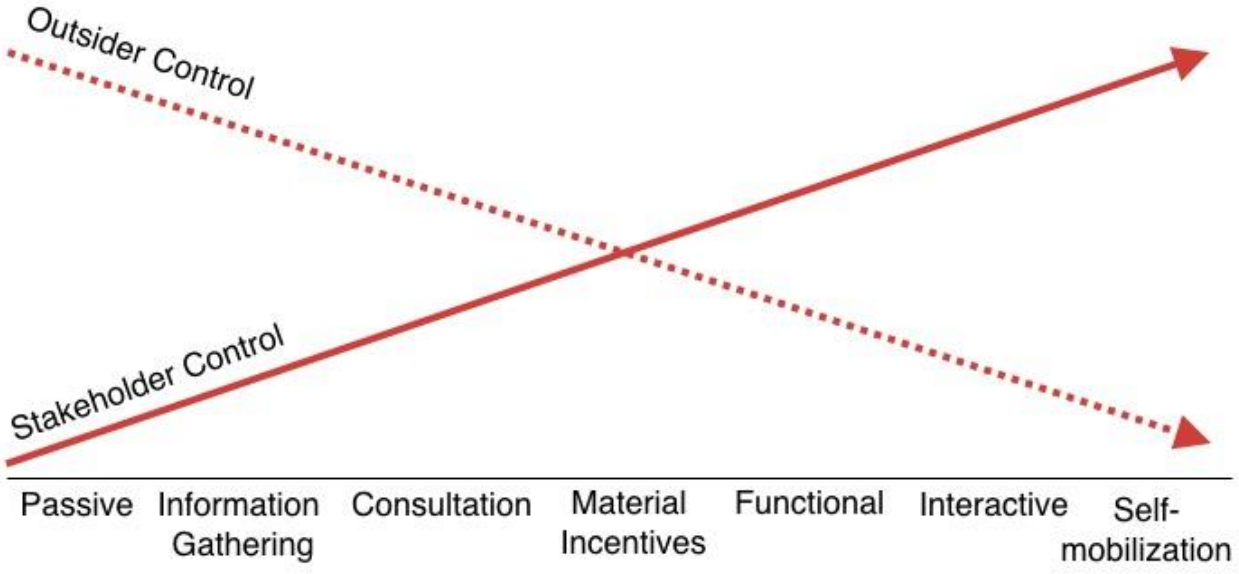
Hovmand, P.S. (2014), Community Based System Dynamics, Springer: NY.

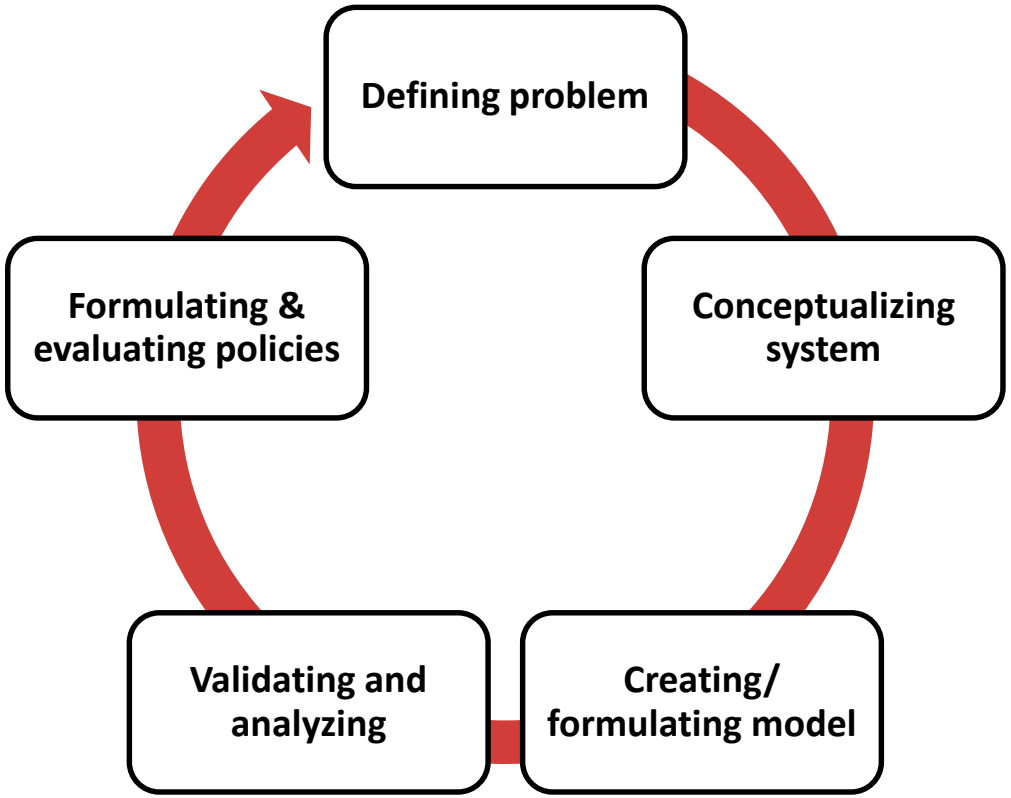
Conceptualizing Participation



Kumar, J. (2004) Methods for Community Participation. Practical Action Publishing: Warwickshire, UK.

Participation in CBSD





Kumar, J. (2004) Methods for Community Participation. Practical Action Publishing: Warwickshire, UK.

Hovmand, P.S. (2014), Community Based System Dynamics, Springer: NY

CBSD Applications

Cross-Sector Collaboration: SALURBAL

Program & Evaluation Design: Raising St. Louis

RAISINGSTL
Better Paths to Health & Learning for St. Louis Children

APHA 2016
Denver, CO

Utilizing Participatory Methods to Inform and Prioritize an Evaluation Plan for the Raising St. Louis Early Childhood Initiative

Beth Rotter[1], Nancy Zoellner[2], Nikole Lobb-Dougherty[3], Sarah Bobmeyer[3], Tom Santel[1], Peter Hovmand[2]
[1]Raising St. Louis, BJC Healthcare
[2]Social Systems Design Lab, Washington University in St. Louis
[3]Center for Public Health Systems Science, Washington University in St. Louis

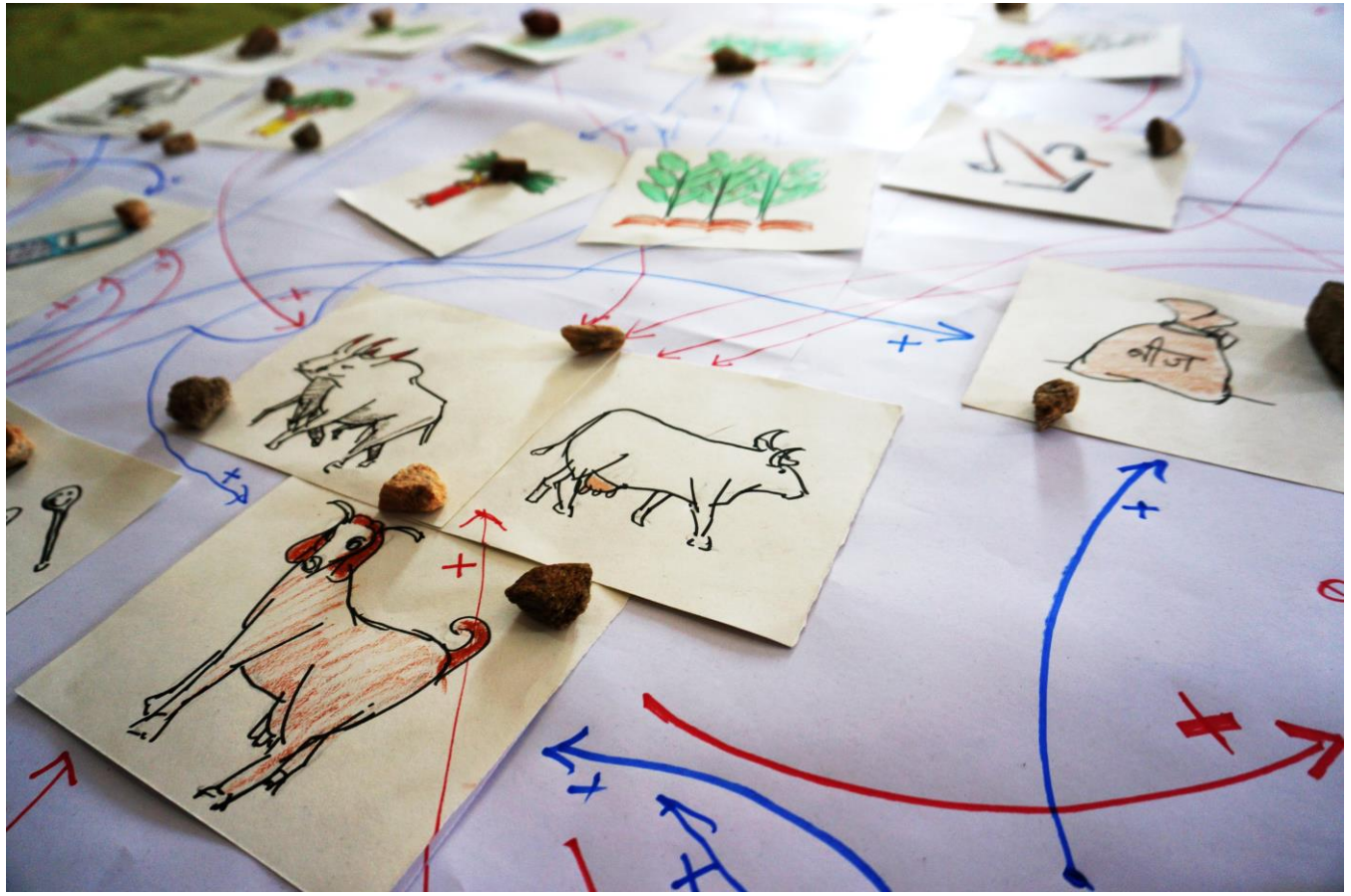

SSDL (2013)


SSDL (2013)

Public Policy Dialogue: Salud Mesoamerica

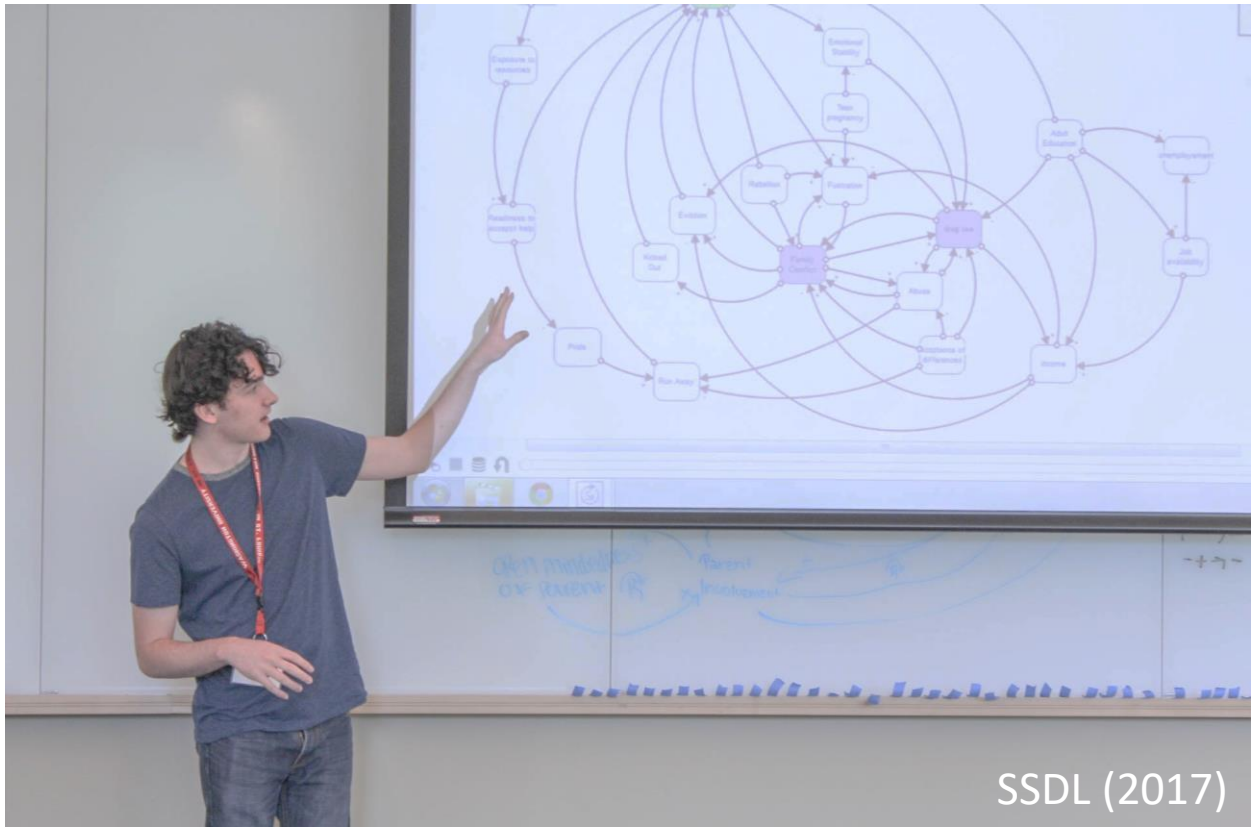
Munar, W., Hovmand, P.S., Fleming, C., & Darmstadt, GL (2015), Seminars in Perinatology, 39(5), 416-23.

Strategic Planning| Foundation for Ecological Security



Understanding Complexity | Youth Homelessness

SSDL (2017)


SSDL (2017)

Thank you!

jakuhlbe@ncsu.edu