









# User OI BM Seminar 사전 강의 자료

How do we conquer the growth limits of capitalism?

- Schumpeterian Dynamics of Open Innovation Economy System

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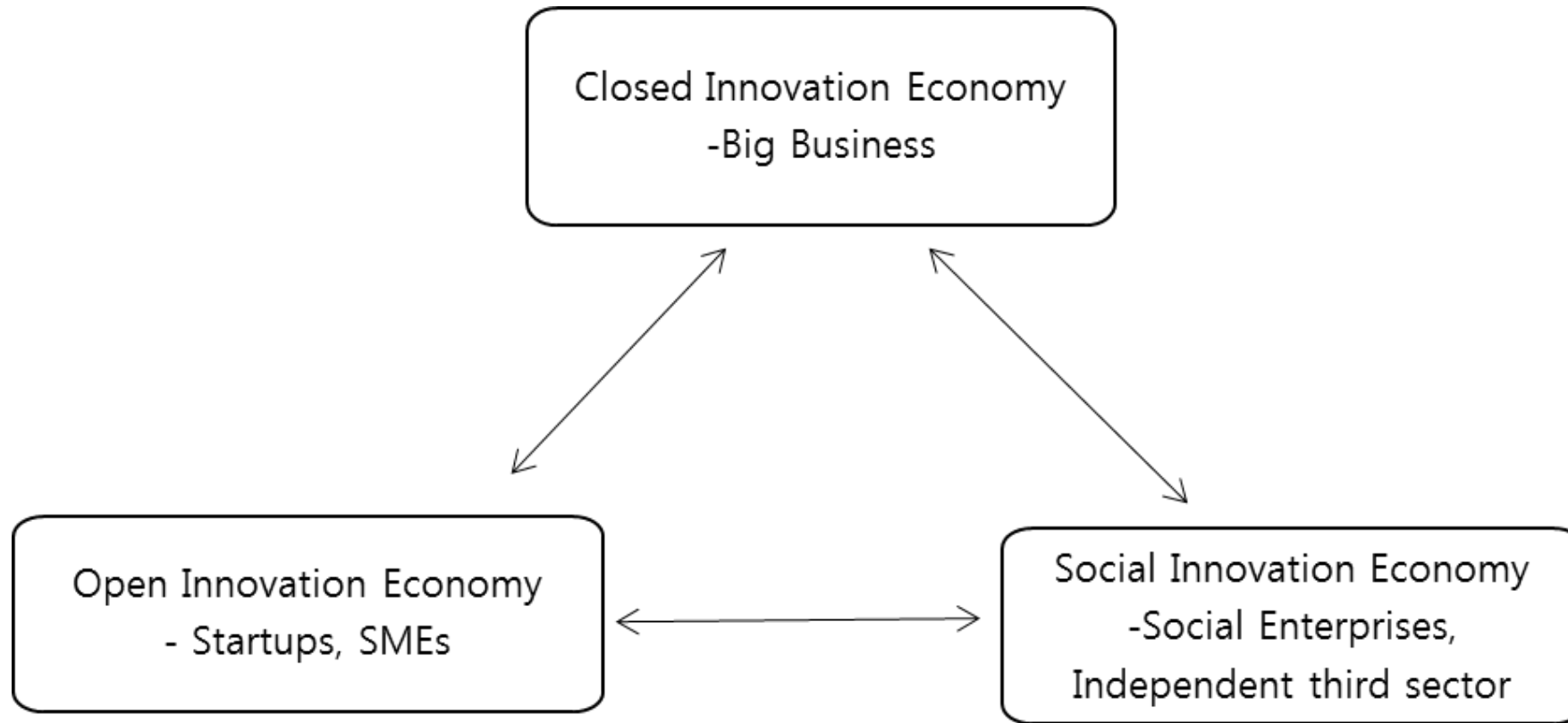
# Research Question?

- Basic interest
  - EU; 0.05%, Korea; 1.75%, Japan; 0.10%, U.S. 0.00-0.25%
  - (China 7.4%, India 5.0%)
- How do we conquer the growth limits of capitalism?

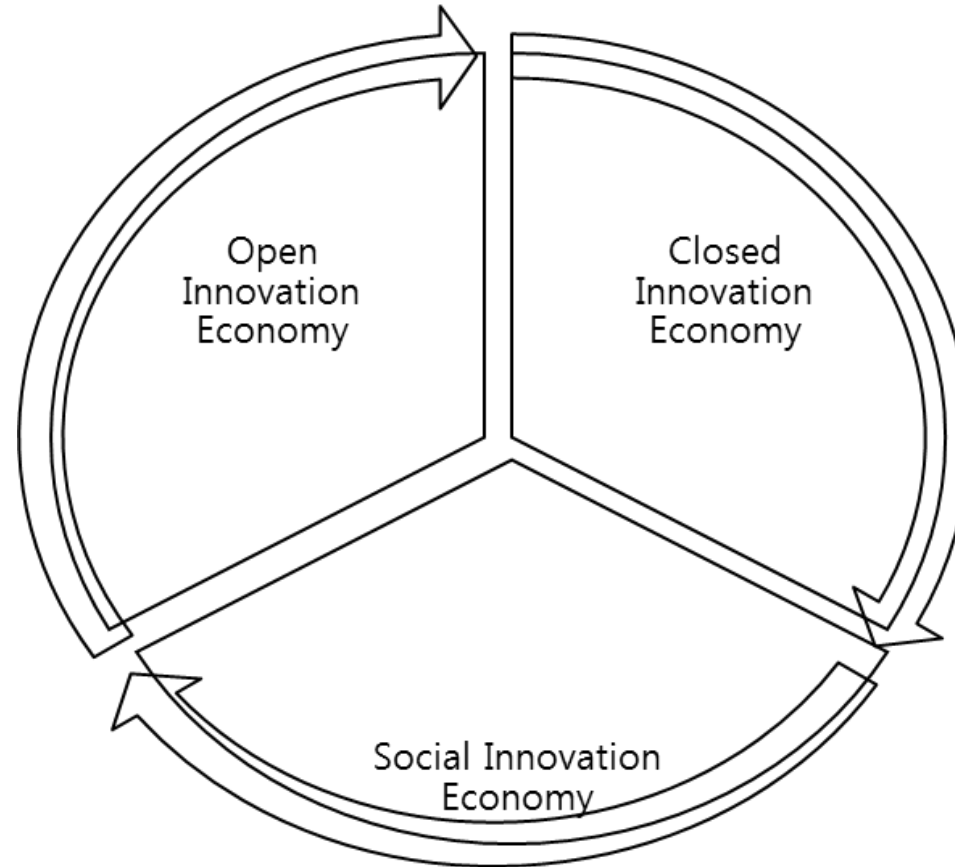
# Research Scope and Method

- Growth limits of capitalism in literature review
  - Marx, Schumpeter, Druker, Rifkin, Piketty, Ostrom, Jung WunChan, Lee JangWoo  
Jang HaSung
- Model building for conquering of growth limits of capitalism with participating experiments and literature analysis
  - Open Innovation Economy System
  - Vitalizing Dynamics of OIES
- Model Simulation in several conditions by thinking experiments
  - Life circle of OIES, High Speed and low speed examples of Dynamics of OIES
- Discussion by comparing Schumpeterian Dynamics of OIES, and Schumpeter 1, 2, and Social Blueprint
- Conclusion with future goal

# Model Building: Open Innovation Economy System



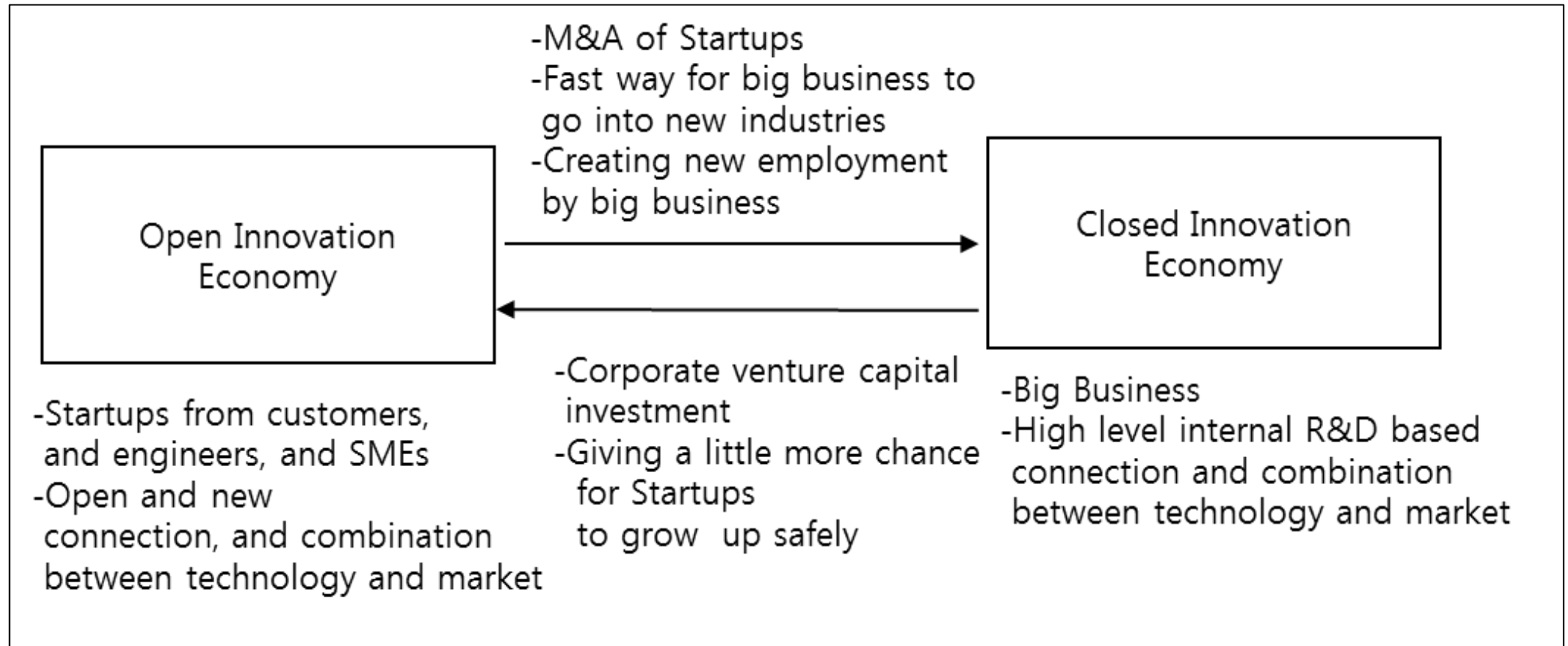
# Dynamics of OIES





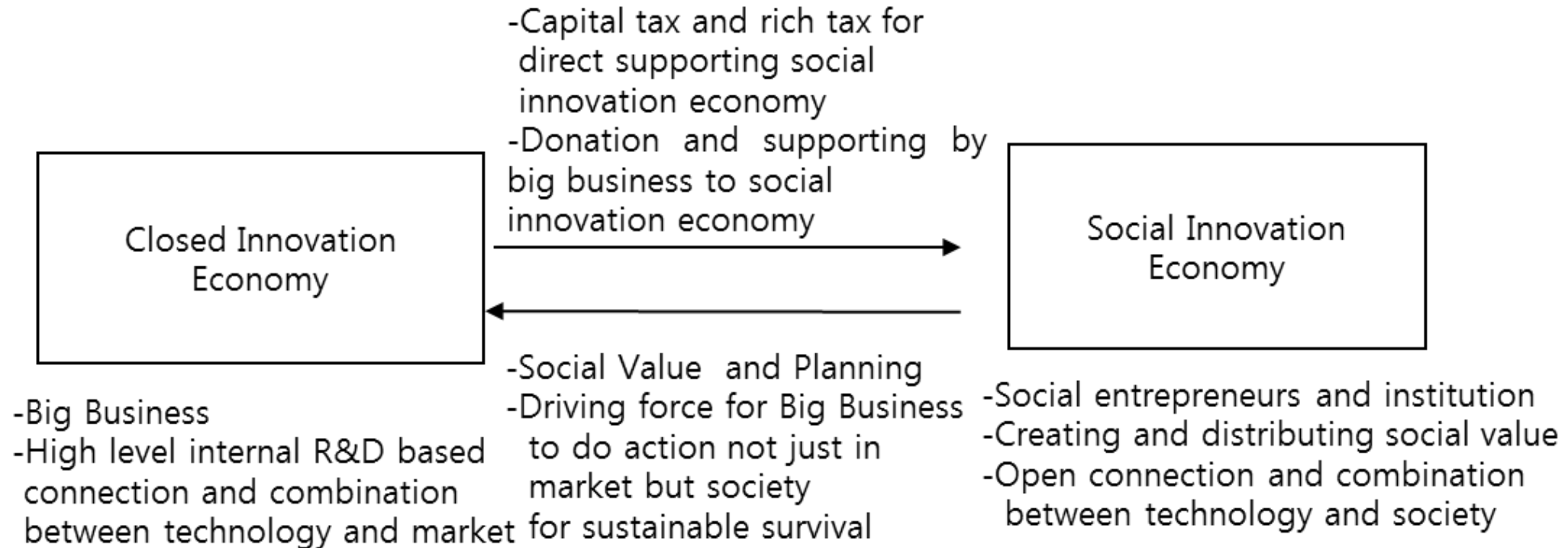
# Interaction relations in OIES(1)

Positive relation between open innovation economy and closed innovation economy



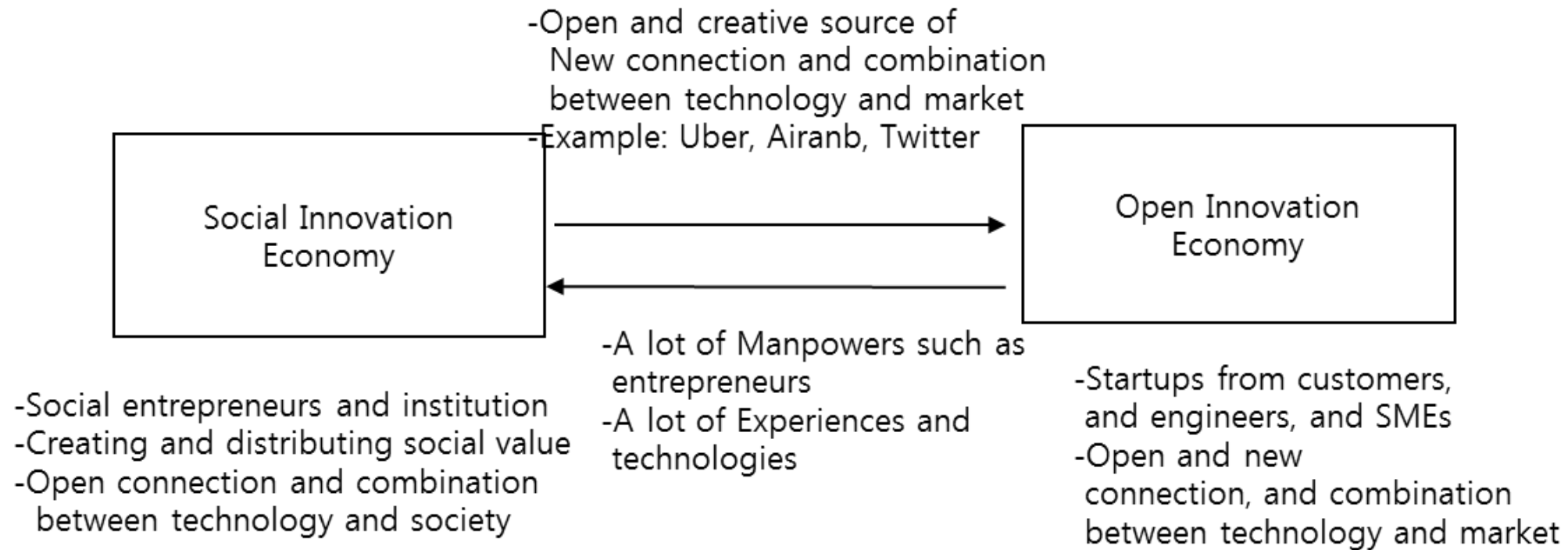
# Interaction relations in OIES(2)

Concrete relation between closed innovation economy and social economy



# Interaction relations in OIES(3)

Concrete relation between social economy and open innovation economy





# Theoretical Roots of OIES (1)

- Innovation and economy development by **new combination** between several forces such as technology, and market
    - Schumpeter
  - Open innovation as open connection between technology and market
    - Chesbrough
  - Open Business Model as new or open combination between technology and market
    - Chesbrough
- Open Innovation economy, the relation between OIE and CIE, OIE and SE, CIE and SE

# Theoretical Roots of OIES (2)

- Monopolistic Practices, and Closed Season
    - Schumpeter
  - Corporate Social Responsibility
    - Holme & Watts, Porter & Kramer
  - Win-Win Growth between Bing Business and SMES
    - Jung WunChan, Lee JangWoo
- Closed Innovation Economy

# Theoretical Roots of OIES (3)

- Socialist Blueprint
    - Schumpeter
  - Governing the Commons
    - Ostrom
  - Creating Sharing Value
    - Benkler
  - Social Open Innovation
    - Chesbrough
- Social Innovation Economy

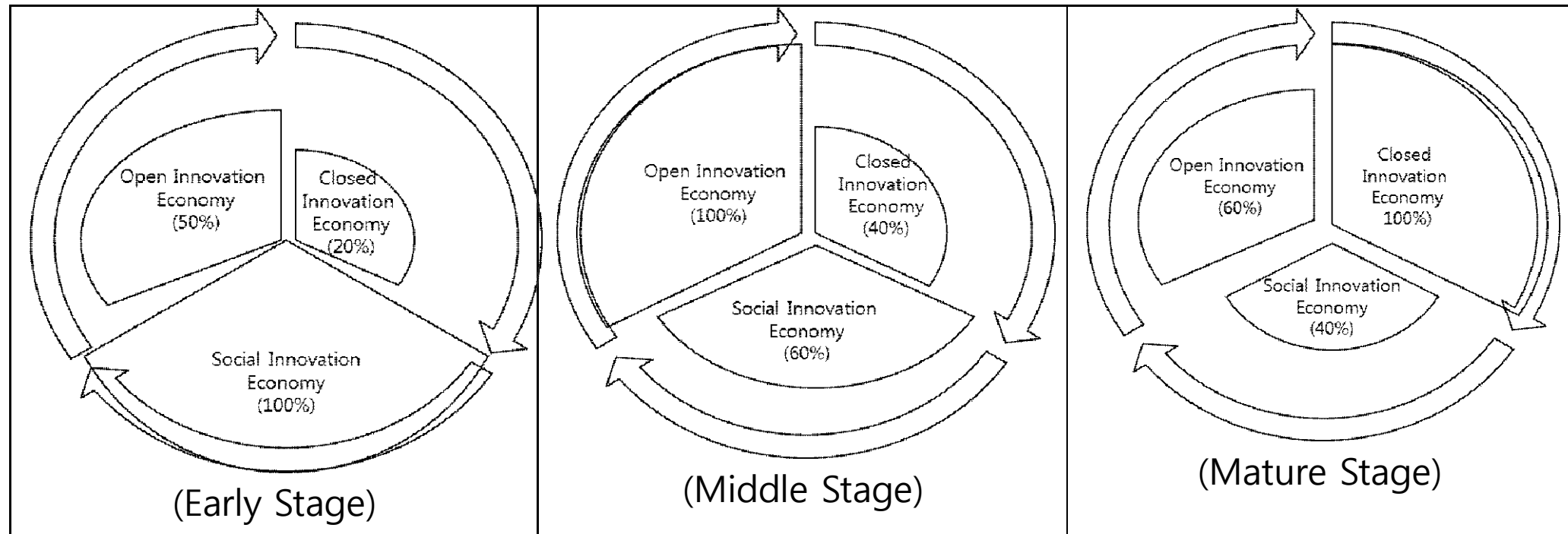


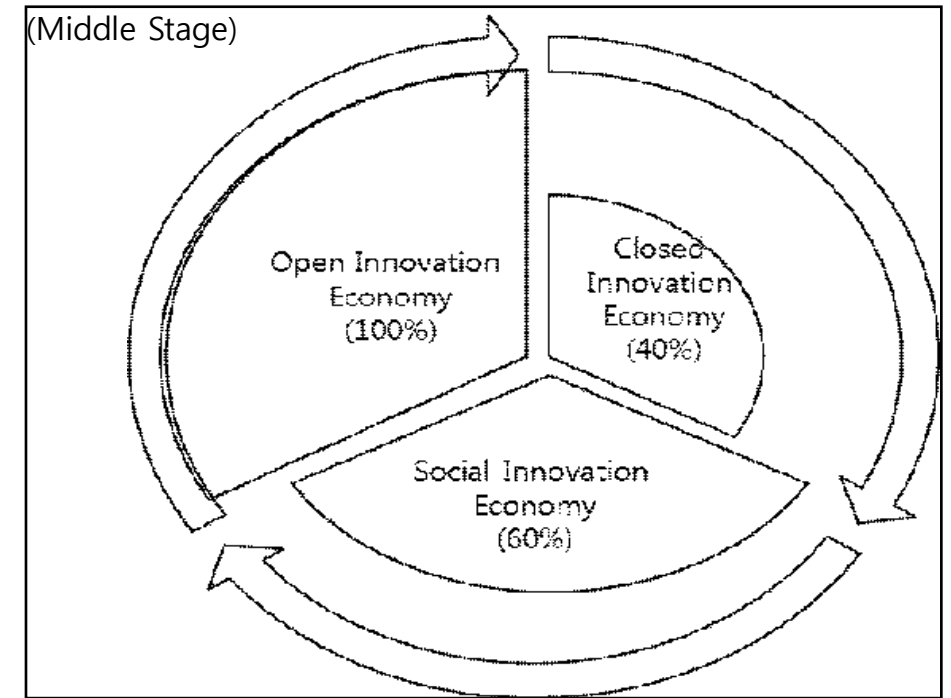
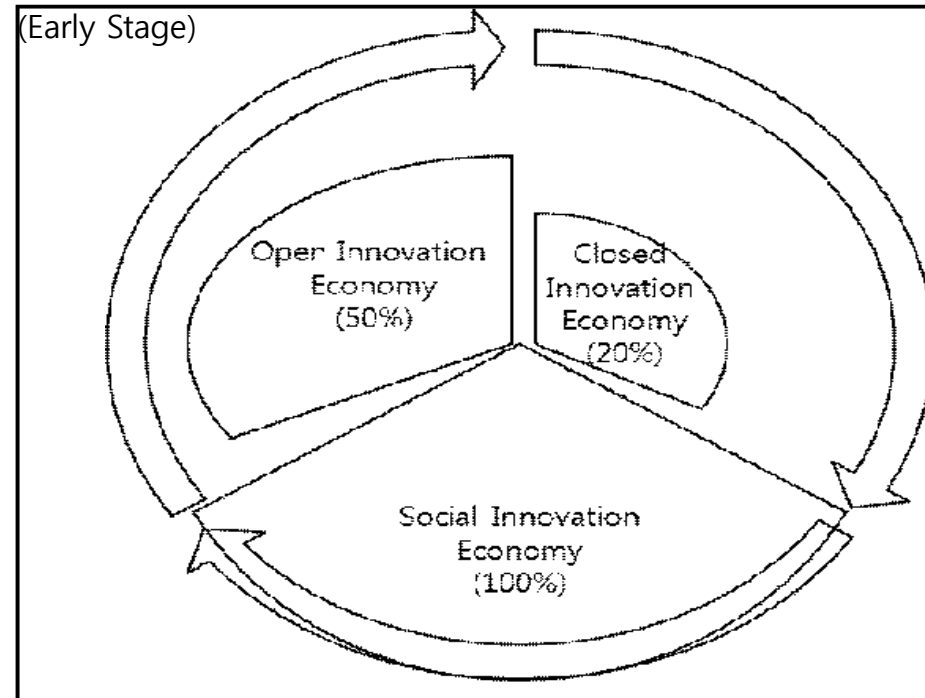
# Theoretical Roots of OIES (4)

- Individual Entrepreneur -> Big Business - > Socialist blueprint  
New combination      monopolistic practices socialist democracy  
- Schumpeter
- Bounded Rationality(Simon),
- Dynamics Capability (Teece), Dynamics in Industries(Cristenen, KongRae Lee),
- Catch up in firms, and nation level from imitation to innovation  
(Linsu Kim)
- Knowledge external base , catch up(Keun Kee & Chaisung Lim)  
→ Dynamics of OIES

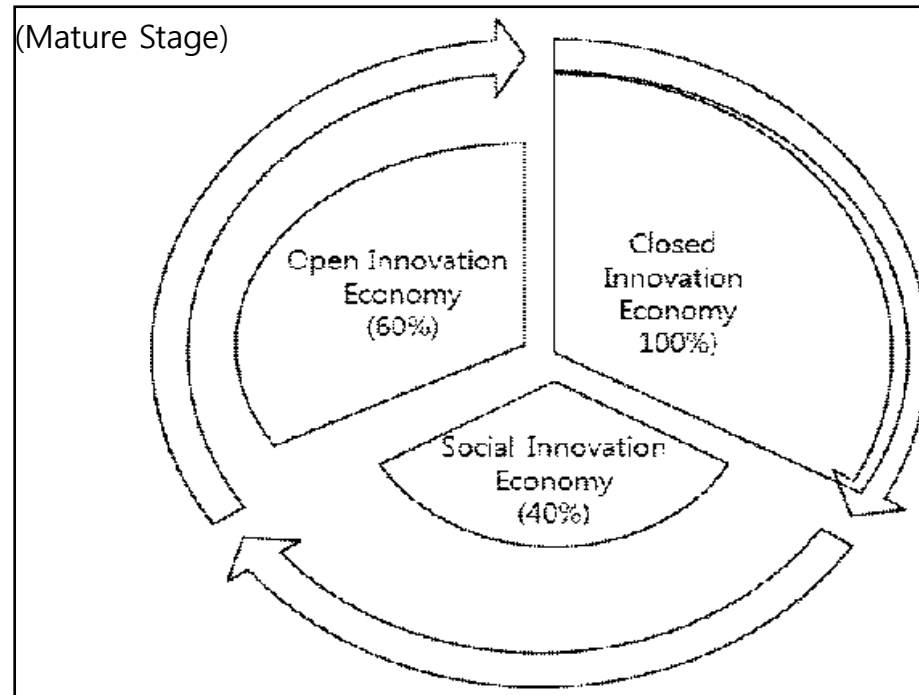
# Simulation of Dynamics of OIES (1)

## Example of Nature Life Circle of OIES



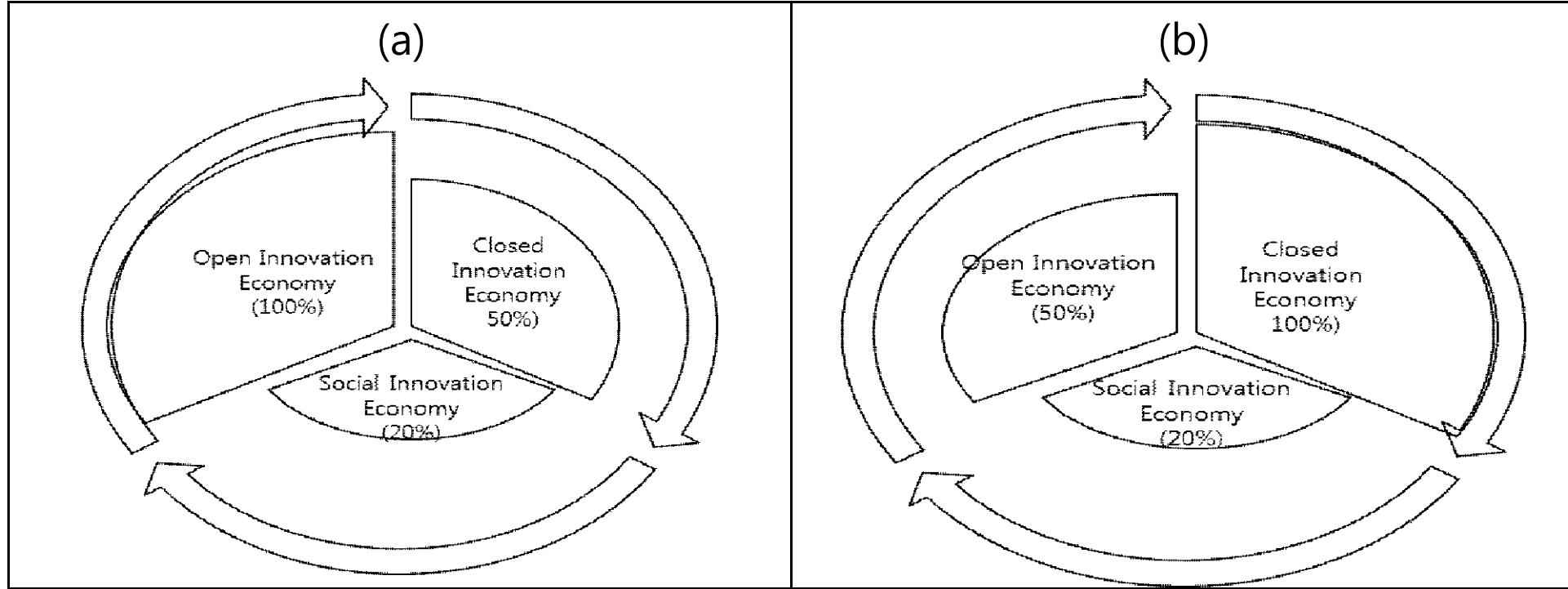


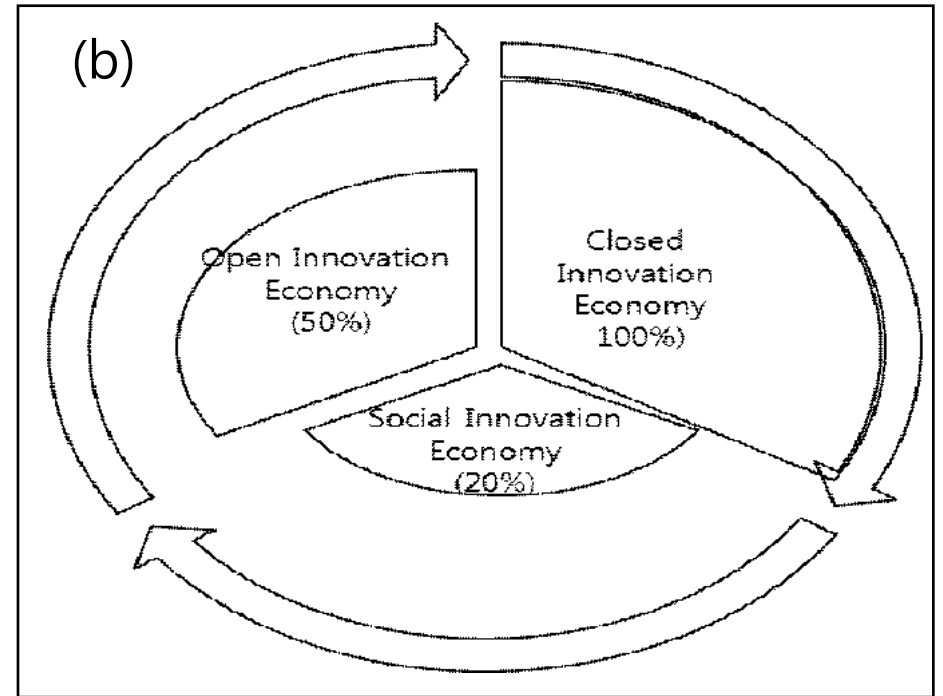
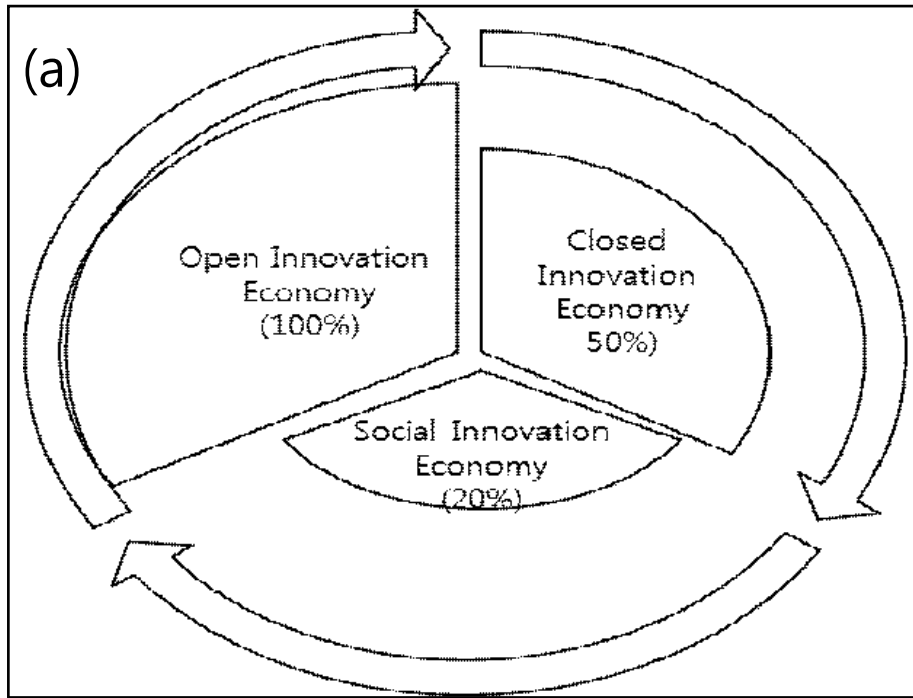




# Simulation of Dynamics of OIES (2)

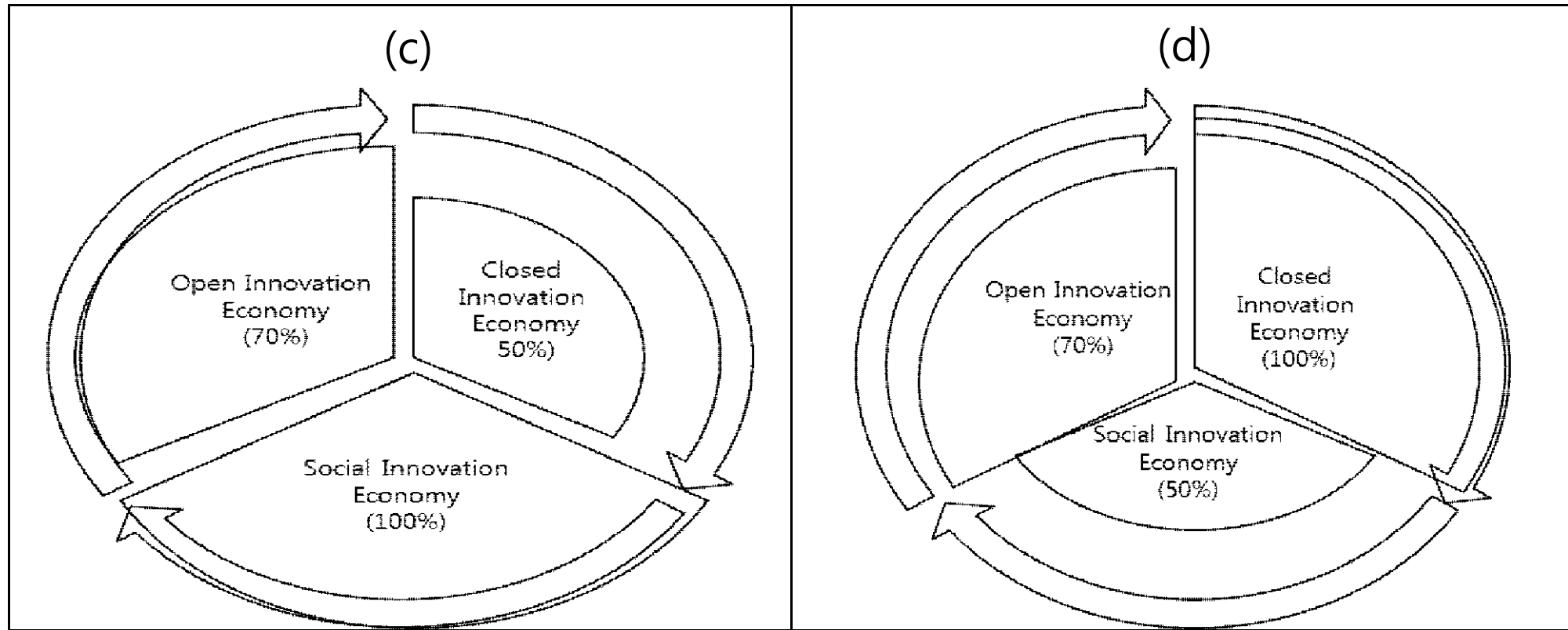
## Example of Low Speed OIES Dynamics





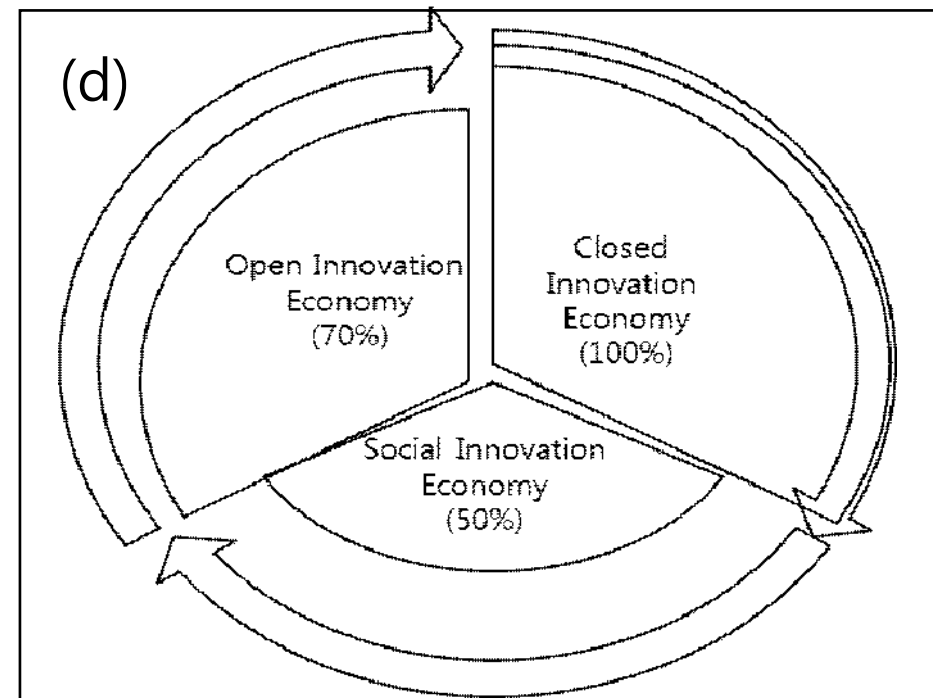
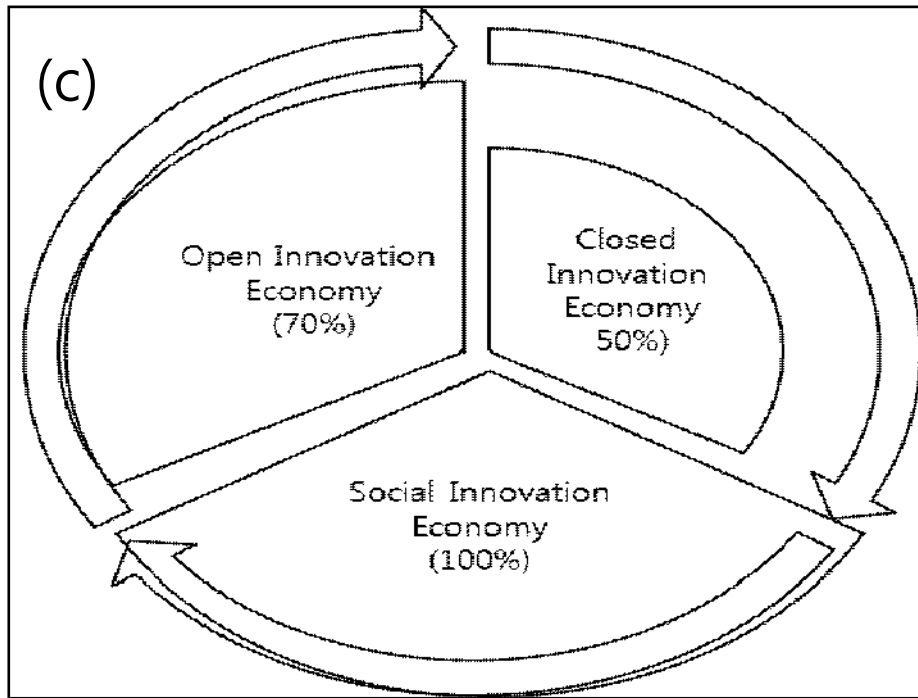
# Simulation of Dynamics of OIES (3)

## Example of High Speed OIES Dynamics



China, India, Korean in 1980s

EU, and Us in 1970s-1980s



# Discussion

Schumpeter  
Liner Model

Schumpeter 1  
Individual  
Entrepreneur  
New combination

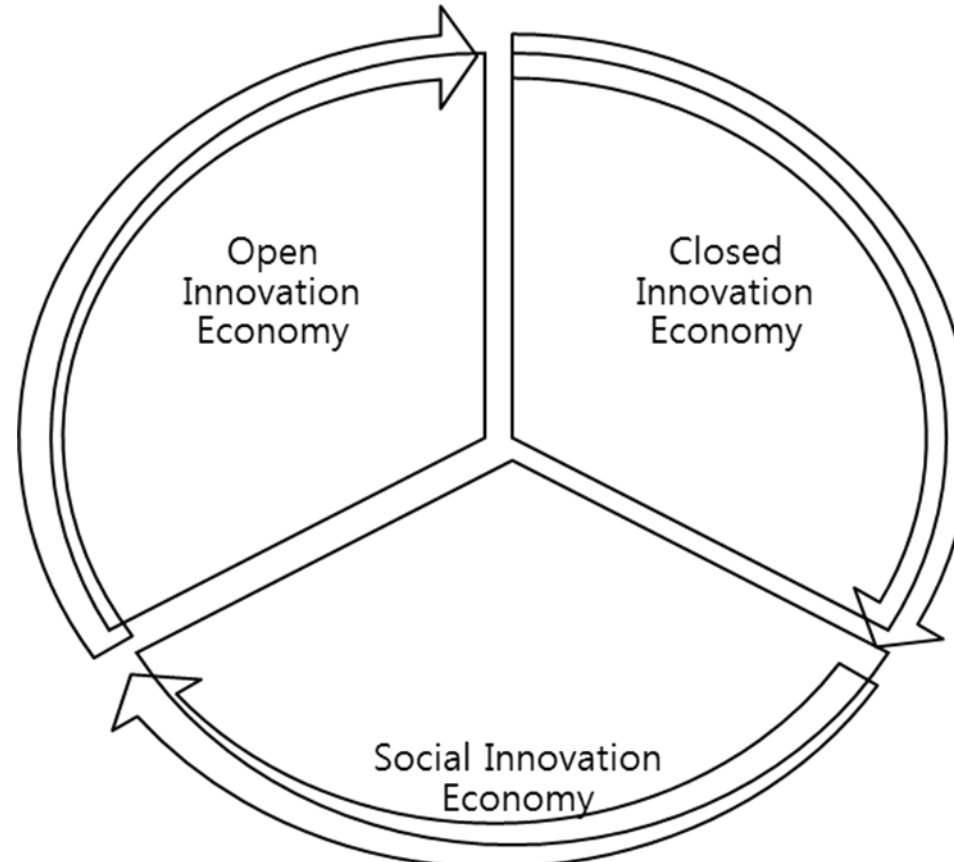


Schumpeter 2  
Big Business  
Creative  
destruction



Socialist blueprints  
The civilization of  
capitalism

Schumpeterian Dynamics of OIES





# Conclusion(1)

- Social Innovation Economy as grassroots of open innovation economy
- Big Business in closed innovation Economy should have Positive relationships with open innovation economy and Social Innovation Economy.

# Conclusion (2)

- Propose "Global Research Program to analyze the differences between high and low dynamics of Schumpeterian Dynamics of OIES to OECD or UN
- Propose to build 'Global Research Network for collaboration in research on Schumpeterian Dynamics of OIES' such as  
Society of Open Innovation: Technology, Market, and Complexity  
[www.openinnovationtmc.org](http://www.openinnovationtmc.org)  
Journal of Open Innovation: Technology, Market, and Complexity  
[www.jopeninnovation.com](http://www.jopeninnovation.com)