Reconciling Technological, Market, and Business Model Innovation

S-D Logic

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Stephen L. Vargo

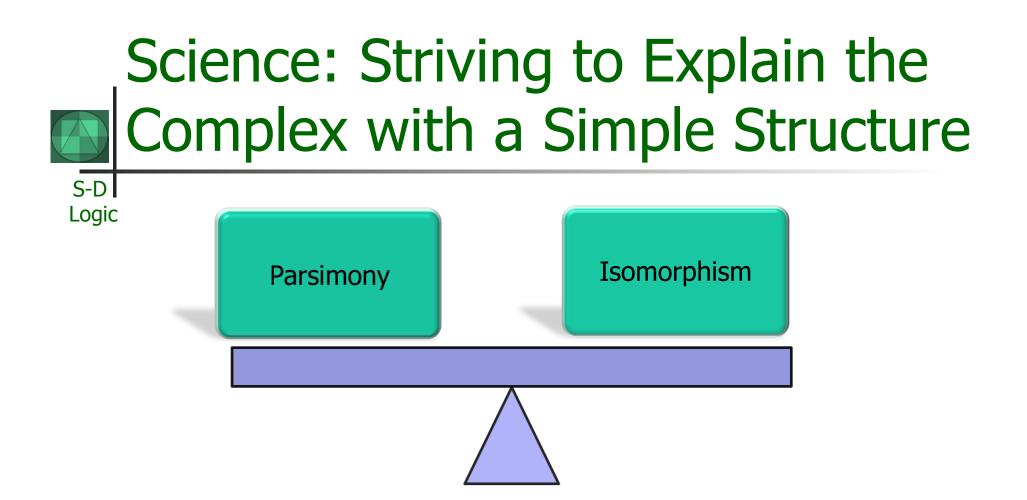
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The Importance of the Right Logic

- Without changing our pattern of thought, we will not be able to solve the problems we created with our current pattern of thought
 - Albert Einstein

S-D

- The greatest danger in times of turbulence is not the turbulence: it is to act with yesterday's logic.
 - Peter F. Drucker
- The main power base of paradigms may be in the fact that they are taken for granted and not explicitly questioned
 - Johan Arndt
- What is needed is not an interpretation of the utility created by marketing, but a marketing interpretation of the whole process creating utility.
 - Wroe Alderson



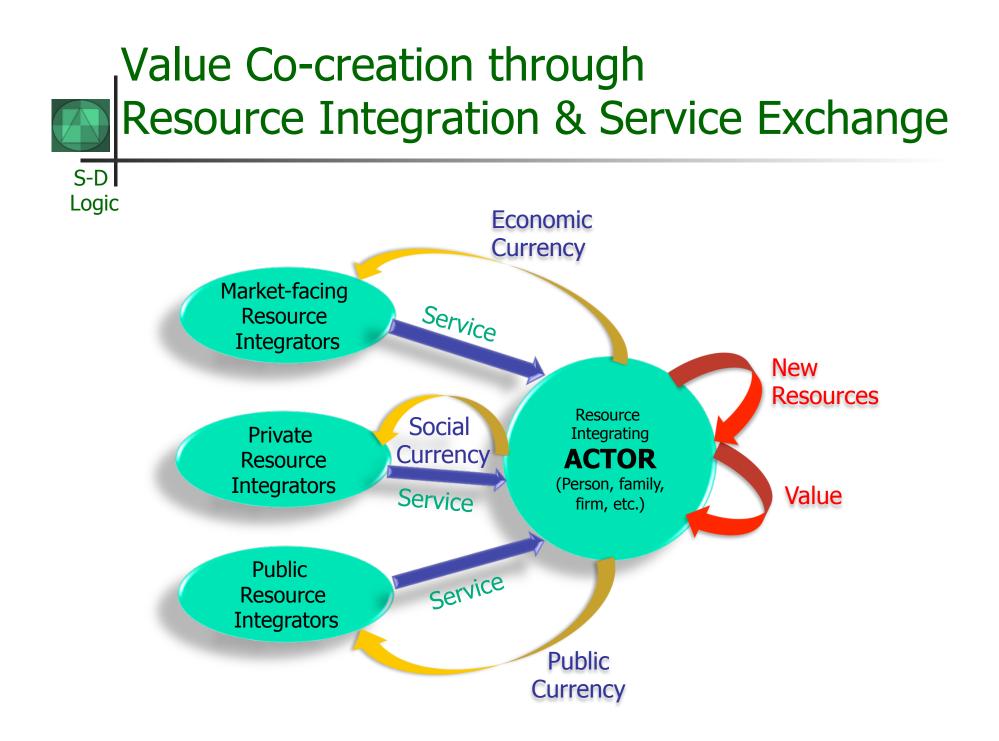
'The grand aim of all science is to cover the greatest number of empirical facts by logical deduction from the smallest number of hypotheses or axioms'.

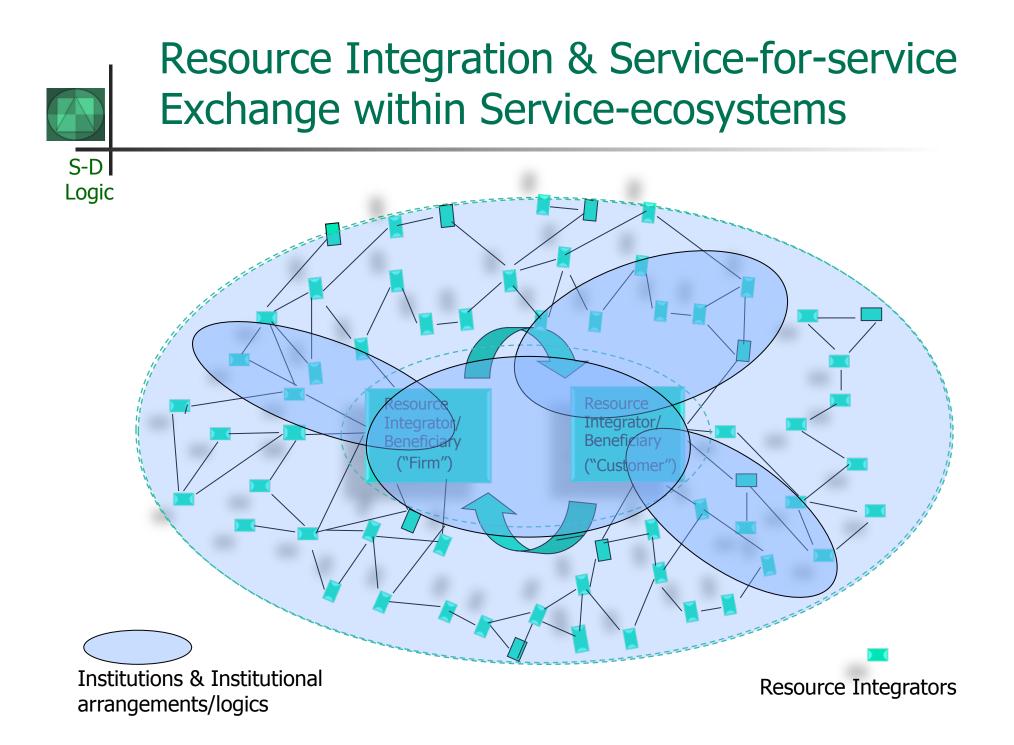
Einstein

Axioms of Service-Dominant Logic

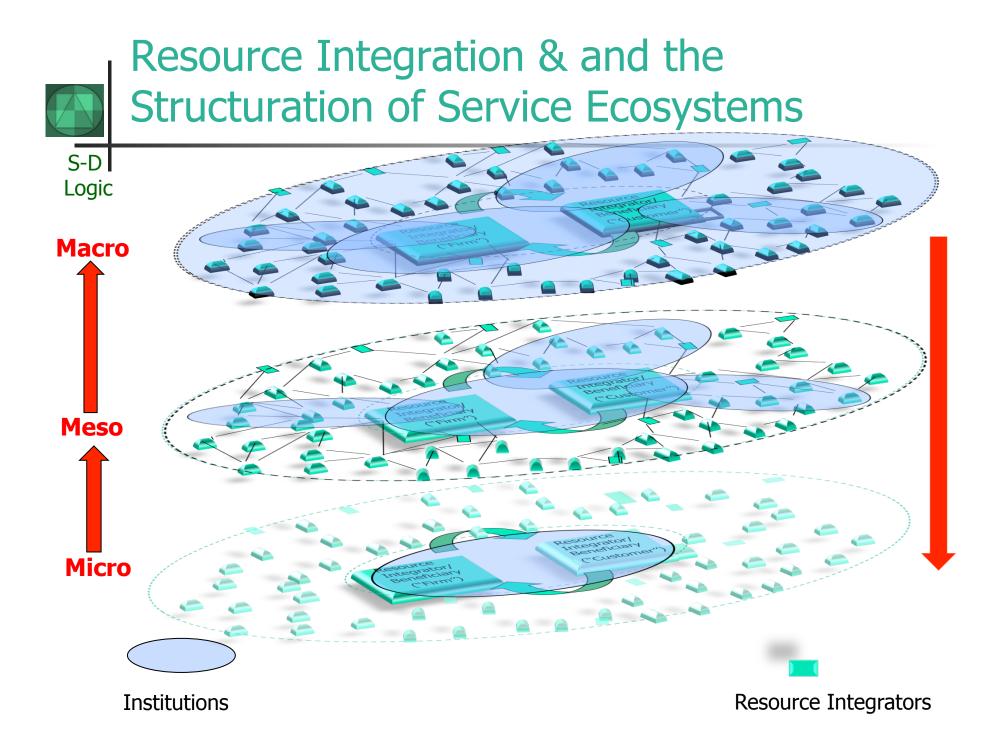
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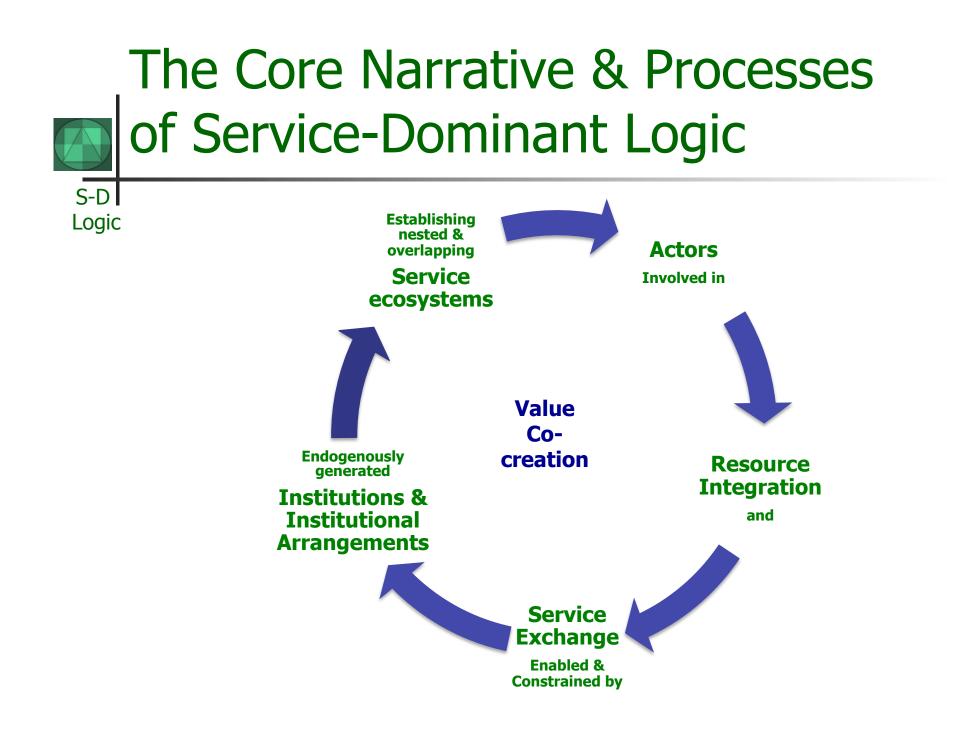
S-D	Premise		Explanation/Justification
Logic	A1	Service is the fundamental basis of exchange.	The application of operant resources (knowledge and skills), "service," is the basis for all exchange. Service is exchanged for service.
	A2	Value is always cocreated by multiple actors, including the beneficiary	Implies value creation is interactional and combinatorial.
	A3	All economic and social actors are resource integrators	Implies the context of value creation is networks of networks (resource-integrators).
	A4	Value is always uniquely and phenomenological determined by the beneficiary	Value is idiosyncratic, experiential, contextual, and meaning laden.
	A5	Value cocreation is coordinated through actor- generated institutions and institutional arrangements	Institutions provide the glue for value cocreation through service-for- service exchange

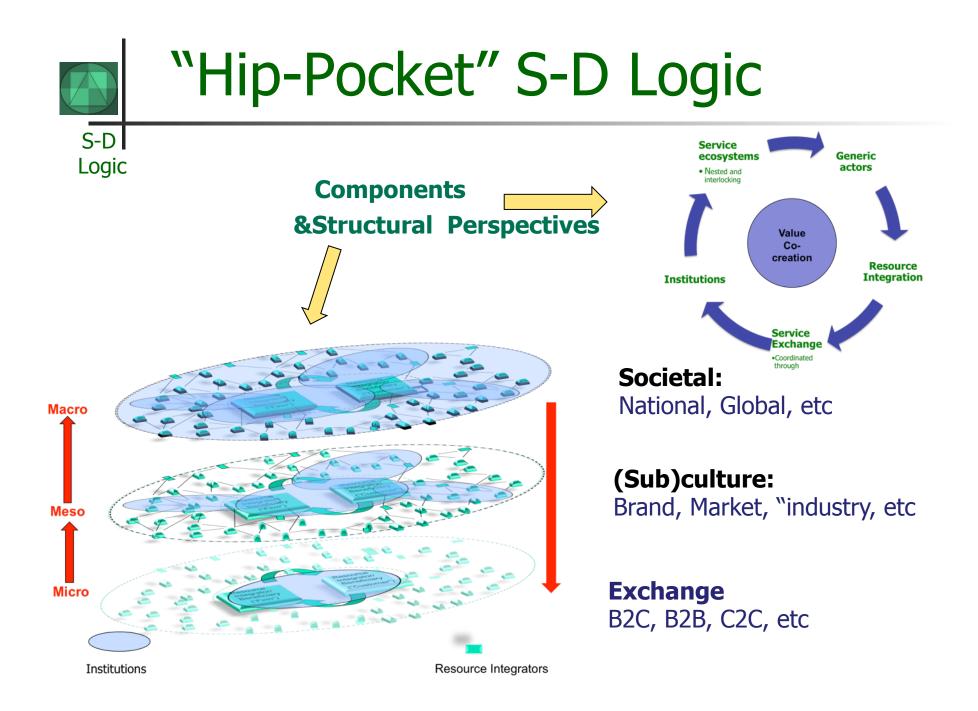




The Structure and Venue of Value Creation: Institutions & Service Ecosystems S-D Institution Logic • "any structure or mechanism of social order and cooperation governing the behavior of a set of individuals within a given human community. (Stanford Encyclopedia of Social Institutions) **Institutional Arrangements** Higher-order assemblages of interrelated institutions Service Ecosystem (S-D logic) relatively self-contained, self-adjusting systems of resource-integrating actors connected by shared institutional arrangements and mutual value creation through service exchange.









THE SIGNIFICANCE OF INSTITUTIONS

The Structure and Venue of Value Creation: Institutions & Service Ecosystems

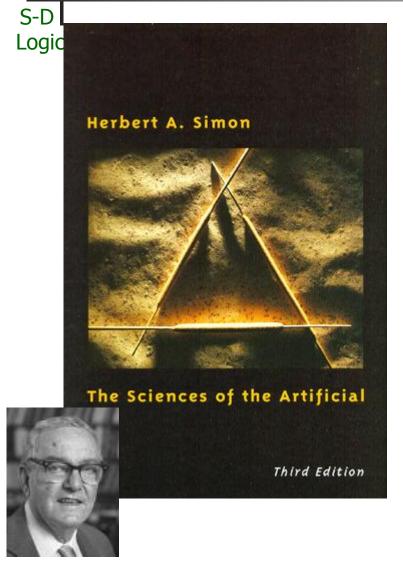
S-D Logic Institution

- "any structure or mechanism of social order and cooperation governing the behavior of a set of individuals within a given human community.
 - (Stanford Encyclopedia of Social Institutions)

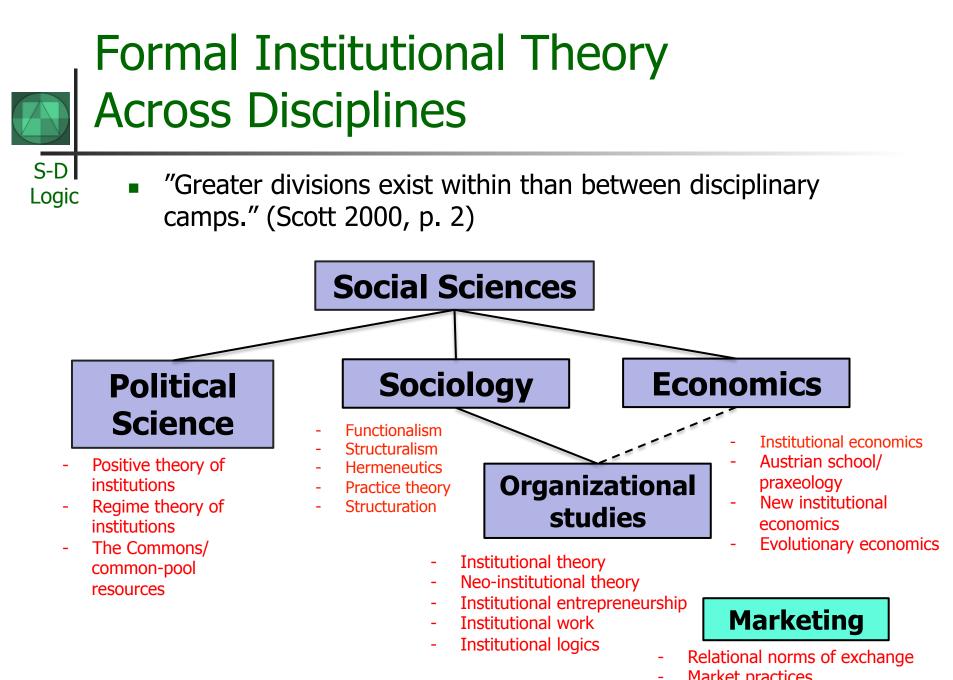
Service Ecosystem (S-D logic)

 relatively self-contained, selfadjusting systems of resourceintegrating actors connected by shared institutional arrangements and mutual value creation through service exchange.

The Sciences of the Artificial



- The world we live in is much more a man-made, or artificial one, than it is a natural one
 - The significant part consists mostly of artifacts, called symbols (p. 2)
- 'Judgment' is a heuristic search
 - The real-world economic actor is a satisficer, who accepts good enough, because (optimization) is not a choice.(p. 29)
- Markets and organizations are social schemes that facilitate coordinated behavior, conserving the critical scarce resource of human ability to handle complexity (p. 49)



- Market practices
- 'Megamarketing'/Legitimazation

Institutions as the Building Blocks of Social Science

S-D

- "The discovery of the inescapable evidence of the interdependence of market phenomena overthrew [the] opinion that there was in the course of social events no regularity and invariance of phenomena [as found in] "natural phenomena"... (von Mises, 1949 p. 2).
- "One must study the laws of human action and social cooperation as the physicist studies the laws of nature" (von Mises, 1949 p. 3).
- Can we dig below the immense diversity of regularized social interactions in markets, hierarchies, families, sports, legislatures, elections, and other situations to identify universal building blocks used in crafting all such structured situations? Yes. (Ostrom 2005)
- The diversity of regularized social behavior that we observe at multiple scales is constructed from universal component organized in many layers. (Ostrom 2005)
- Institutions are both the "recursive organizers" of practices and the "practices with the greatest time-space extension." (Giddens 1984, p. 17)



REFRAMING INNOVATION AS INSTITUTIONALIZATION

Innovation: The S-D Logic Perspective

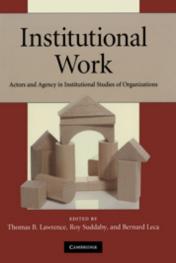
Continual creation of new markets by:

- Leveraging existing institutions/service ecosystems
- Dynamically reconfiguring service ecosystems
- Creating new ecosystems

S-D

Logic

In short: doing "institutional work'



S-D

Logic

Institutional Work

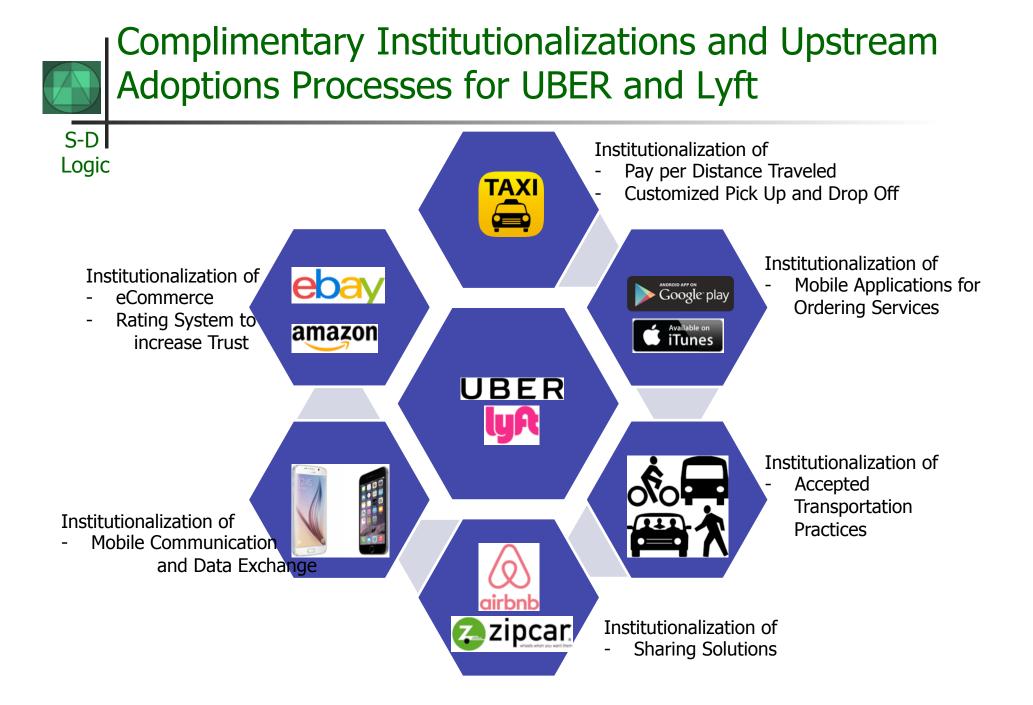
Interplay of Actors, Agency, & Institutions

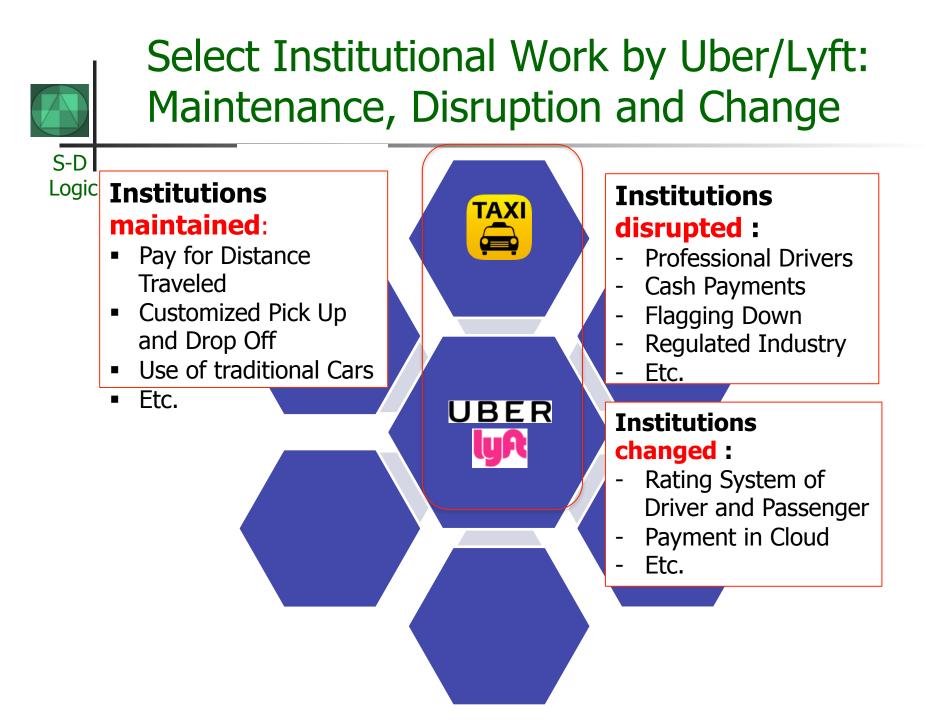
Development

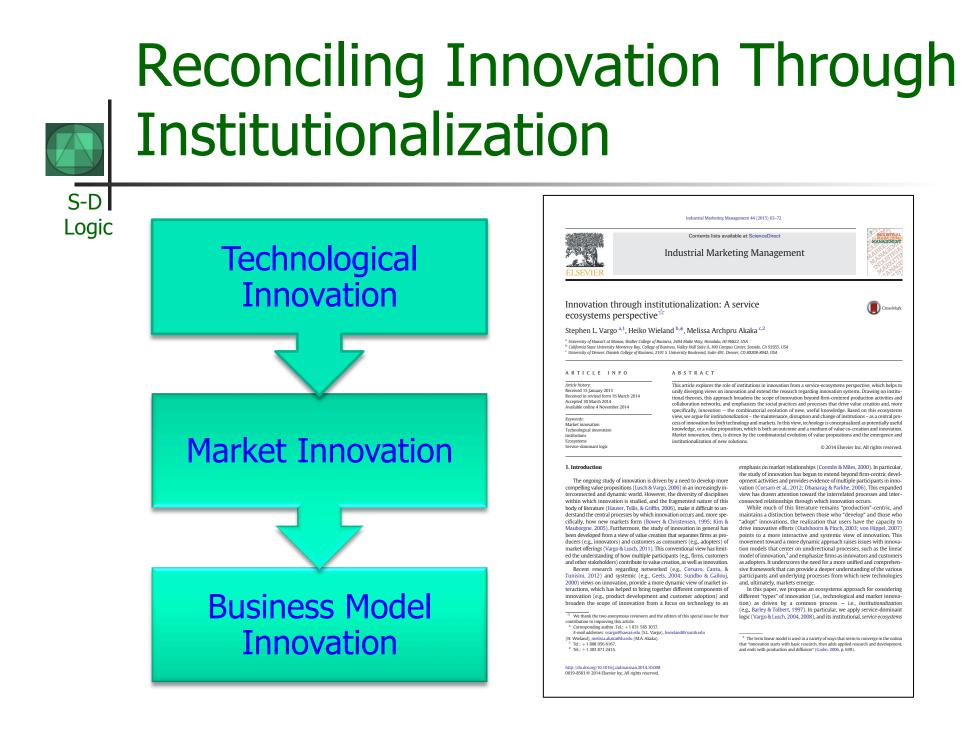
- Isomorphism institutional dominance
- Agency Individual intention
 - Especially specialized: "intuitional entrepreneurs"
- Structuration: Duality of agency and structure

Institutional work = intentional form of structuration

- Maintenance of institutions
- Disruption of institutions
- Creation of institutions









TECHNOLOGICAL INNOVATION: AN INSTITUTIONAL STORY

The Meaning of Technology

Definitions

S-D

- A means to fulfill a human purpose
 - Arthur (2009)
- Useful knowledge
 - Mokyr (2002)
- The application of scientific knowledge for practical purposes
 - Oxford New American Dictionary
- And relationship to service
 - Use of competences (knowledge and skills) for another's benefit
 - Service = applied, beneficial technology (operant resources)

Arthur on New Technologies: Resource Integration

The Nature of Technology

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Combinatorial Evolution

"A novel technology emerges always from accumulation of previous components and functionalities already in place." (p. 124)

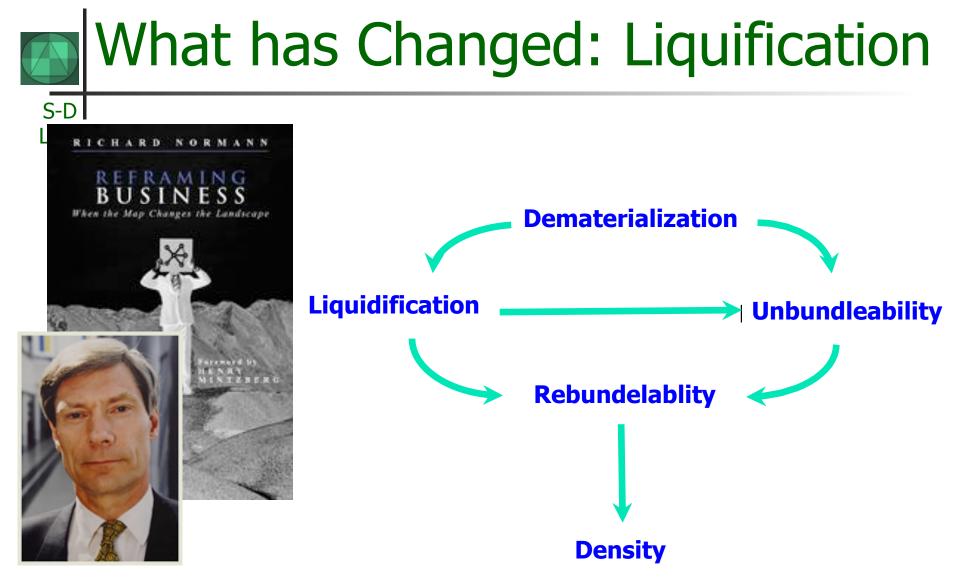
WHAT IT IS AND HOW IT EVOLVES

W. Brian Arthur

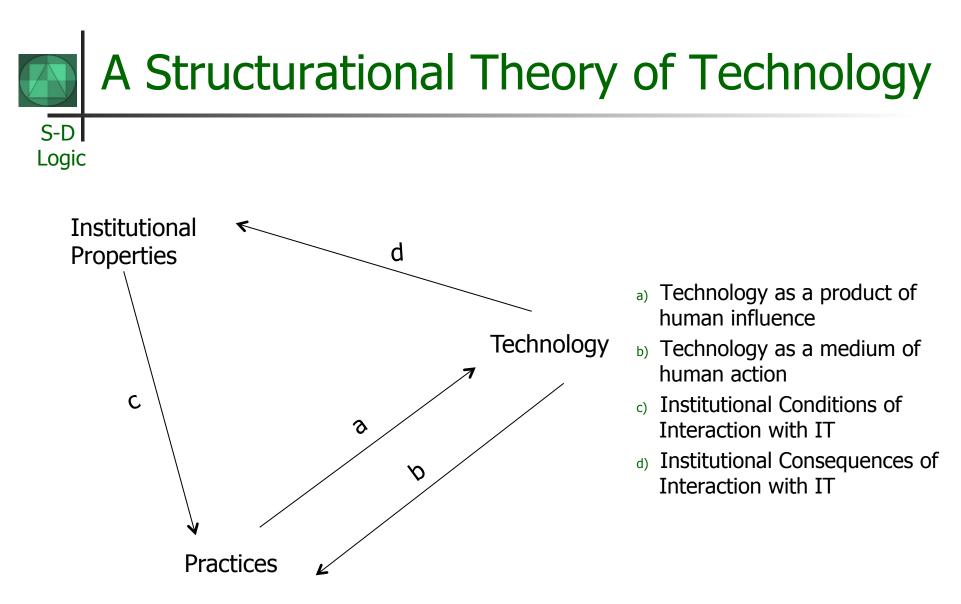
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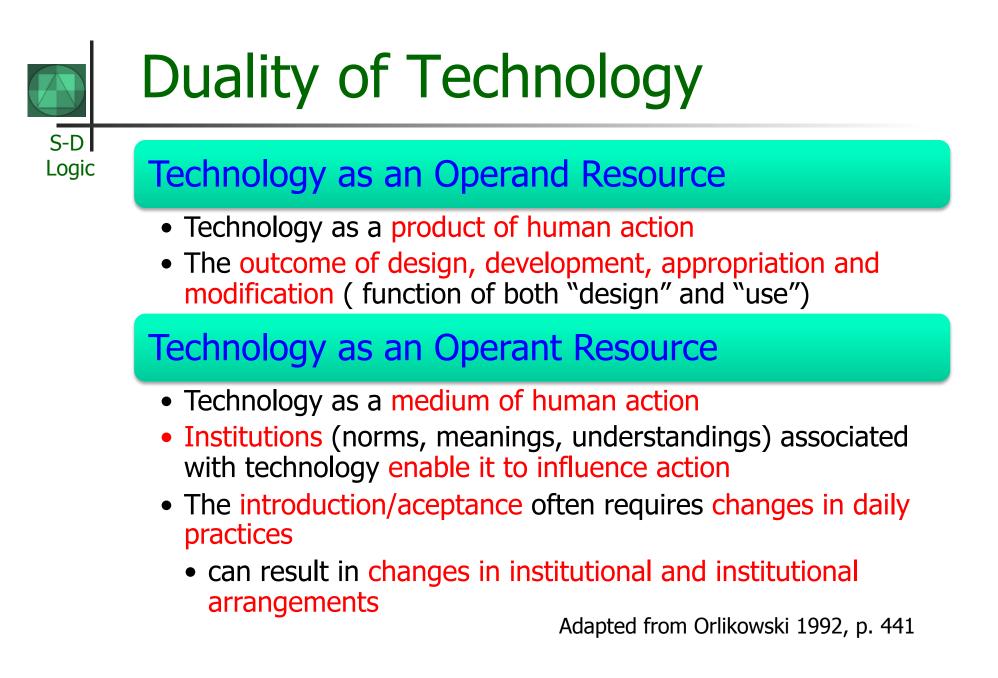
More generally, the combinatorial evolution of institutions



The Key = Liquification, through a <u>revolution in IT and ICT</u>. <u>Allows new technologies through resouce integration and institionalization</u>

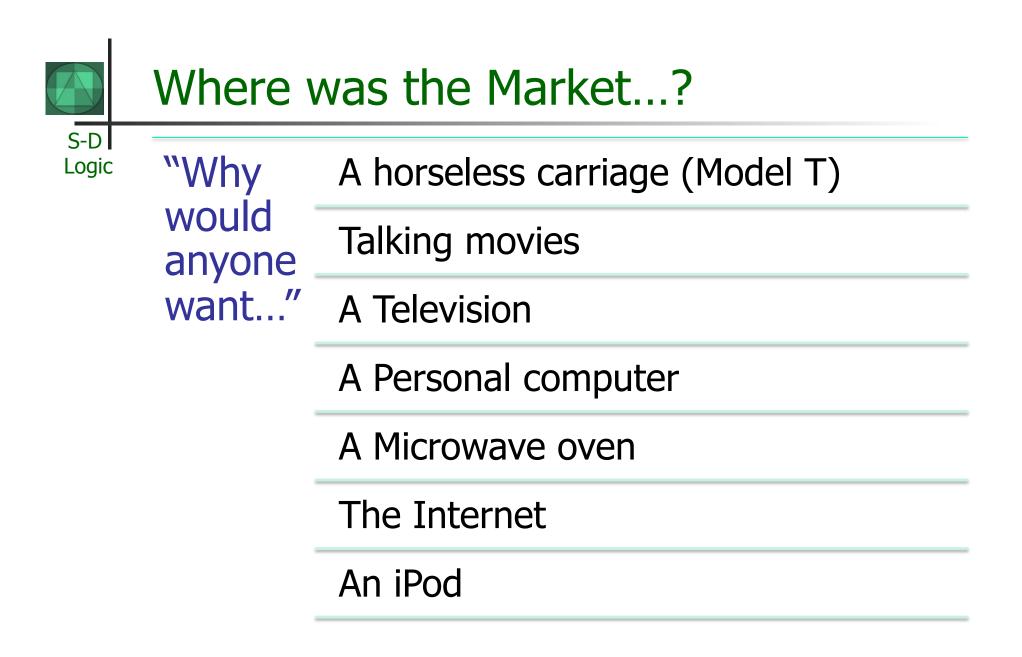


Adapted from Orlikowski 1992, p. 441





MARKET INNOVATION: AN INSTITUTIONAL STORY



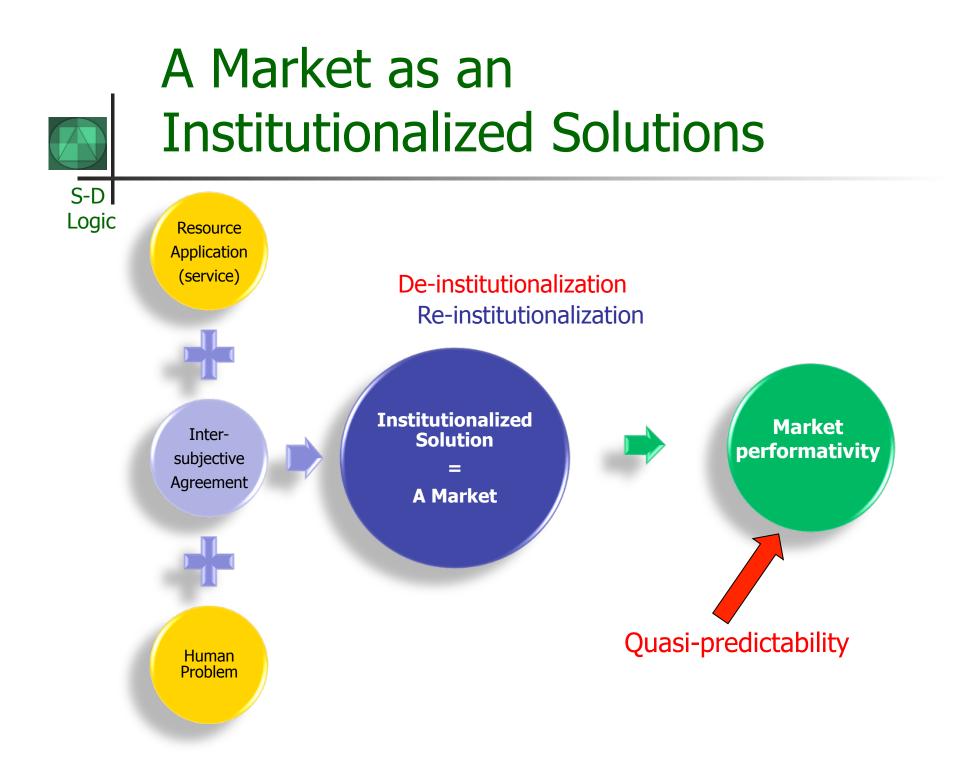
Implications for Understanding the Market

There are no (a priori) markets

- There are just micro-level, service exchanges
 - gifts, generalized reciprocity, service-for-service
- There is a market system:
 - transitory, contextual configurations of resources and exchanges, sometimes linked by institutions
- ...and hence markets can "exist"
 - They can:

S-D

- Be envisioned --images of service potential
- become institutionalized -- Intersubjective realities
- Thus, markets become performed within the Market
 - They exist because we act like they do
 - "Markets are functions of marketing" (and other business practices)



Some implications of S-D Logic for Innovation/ and Design

- Invention of things is a special case
 - More generally, we design institutions
 - Common solutions, markets

S-D

- Meanings, symbols facilitators of cooperation
- Innovation is a resource-integration function
 - New innovation comes from recombinations
- Innovation is not just a specialized function
 - Everyone is a innovator/designer
- The chief innovator is the value beneficiary (e.g., the customer)
 - Thus, innovating for innovators



BUSINESS MODEL INNOVATION: AN INSTITUTIONAL STORY



Logic

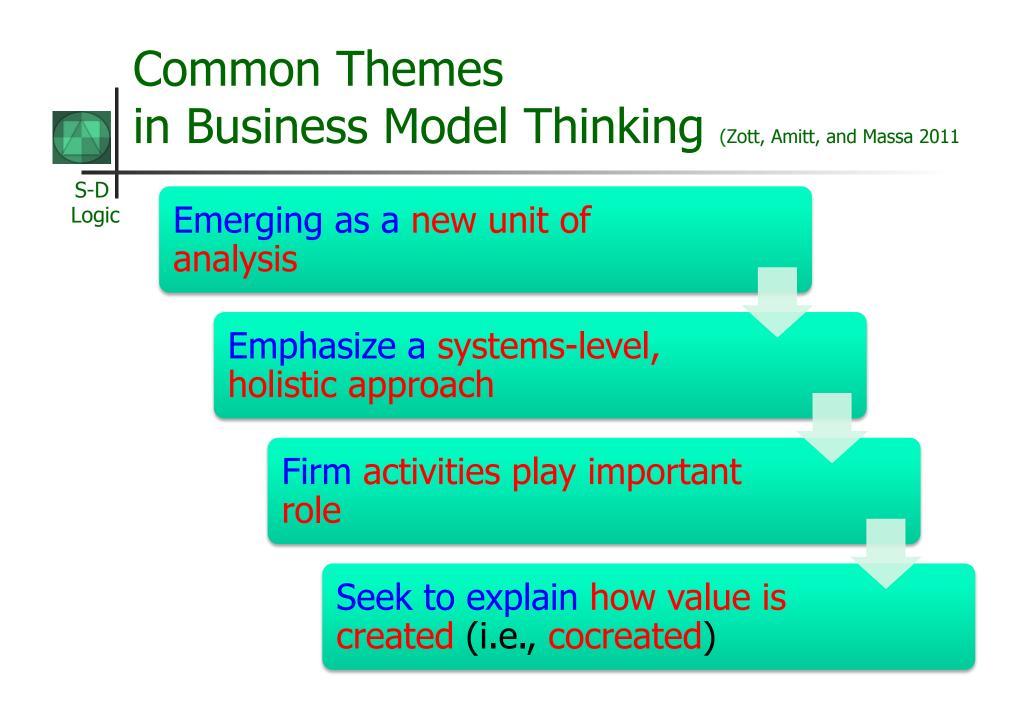
Institutional Logics

OXFORD The INSTITUTIONAL LOGICS SPECTIVE CONTRACTOR OF TAXABLE

Reframing Organizational Institutionalization "socially constructed, historical patterns of cultural symbols and material practices, including assumptions, values, and beliefs, by which individuals and organizations provide meaning to their daily activity, organize time and space, and reproduce their lives and experiences"

Working model

Entrepreneurial team Organizational trajectory Institutional environment Narrative Logic(s)



Defining and Exploring Business Models

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S-D

Logic

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CONCEPTUAL/THEORETICAL PAPER

Business models as service strategy

Heiko Wieland¹ · Nathaniel N. Hartmann² · Stephen L. Vargo³

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Abstract It is widely recognized that business models can serve as important strategic tools in innovation and market formation processes. Consequently, business models should have a prominent position in the marketing literature. However, marketing scholars have, so far, paid little attention to the business model concept, perhaps because it lacks an established definition and clear theoretical foundation. This article offers a definition for the business model concept that, using a fractal approach, connects business models to technological and market innovation. Furthermore, the article questions several cornerstone strategic concepts by reconceptualizing business model development from a firmcentric activity that promotes owning key resources and altering sets of decision variables to one that highlights the facilitation of broad institutional change processes. As such, it takes the potentially controversial position of advocating a servicestrategy-based understanding of business models for all of marketing strategy.

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Published online: 24 April 2017

Keywords Business models · Institutions · Ecosystems · Service-dominant logic · Value Cocreation

Introduction

Despite increased scholarly attention and consensus regarding the importance of business models, the literature has yet to arrive at a clear conceptualization of what business models are (Chesbrough and Rosenbloom 2002; Zott et al. 2011) and, perhaps more importantly, what business models do (Doganova and Eyquern-Renault 2009). Somewhat surprisingly, marketing researchers, with some notable exceptions, have not participated in developing the theoretical foundation needed to advance an understanding of business models. We believe that this participation is important though, since, as we show, understanding business models has important implications for marketing strategy.

Our emphasis on service strategy is partially motivated by the appearance of a service revolution. Clearly, there is a reorientation toward service in individual companies, economies, and research; however, there are two ways of understanding this reorientation. The first is based on a traditional perspective, which categorizes "services" by contradistinction to goods-i.e., "what goods are not" (Vargo and Lusch 2004b). Most classifications of economic activity reflect this divide, in which processes directly involved in the production of goods (e.g., manufacturing) are seen as primary, and all other processes are categorized as service(s). From this perspective, the marketing strategy for services is usually based on adjusting a marketing strategy for goods. That is, such service marketing strategies are often grounded on some variation of the IHIP characteristics (intangibility, heterogeneity, inseparability of production and consumption, and perishability; Zeithaml et al. 1985)-generally, problems

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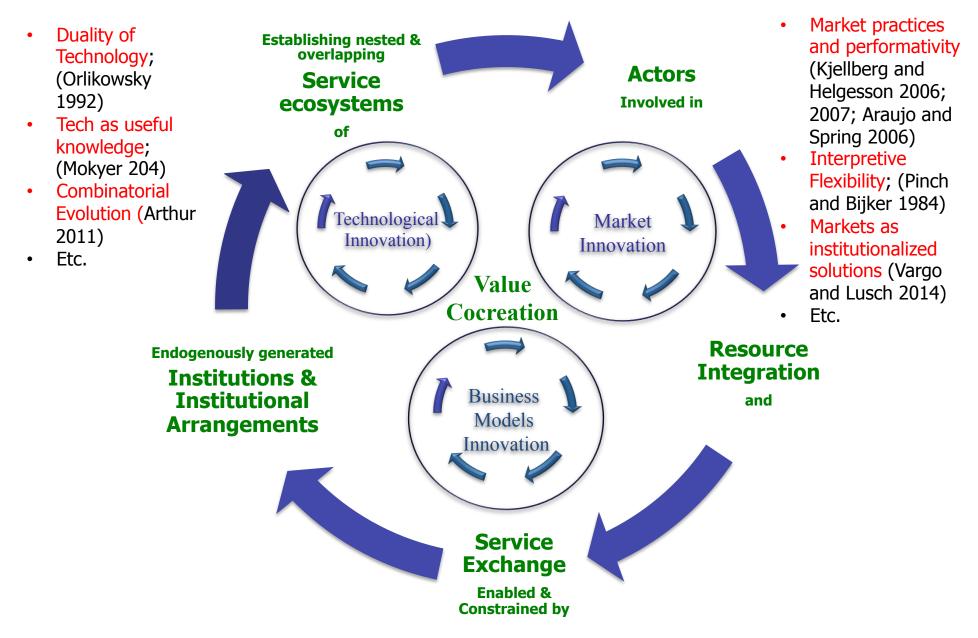
"Dynamic assemblages of institutions that, through the performative practices of actors, reciprocally link and influence technological and market innovation and contribute to the viability of these actors and the viability of the service ecosystems of which they are a part."

All actors have business modes

Technology, Market Innovation& Business Models: A Partial Reconciliation

Technology	Market Innovation	Business Models	S-D Logic
Tech as useful knowledge; (Mokyer 2002)	Market practices and performativity (Kjellberg and Helgesson 2006; 2007; Araujo and Spring 2006)	seek to explain how value is created (not just how captured (Zott et al. 2011)	Service Exchange
Duality of Technology; (Orlikowsky 1992) Social Construction of technology (Pinch & Bijker 1984)	Markets as institutionalized solutions (Vargo and Lusch 2014)	The "institutional logic" of the firm (e.g., Thornton et al. 2012)	Institutionalization
Combinatorial Evolution (Arthur 2011)	Interpretive Flexibility; (Pinch and Bijker 1984	Business model innovation (Chesbrough 2007) Emphasize a system- level, holistic approach (Zott et al. 2011)	Resource Integration/ ecosystems
Enables increased density within value constellations (Normann, 2001)	Facilitation of exchange through "institutional arrangements" (Loasby, 2000)	Cocreation through firm and partner(s) activities (Zott et sl. 2011)	Value cocreation

A Fractal Model of Value Creation



International Journal of Research in Marketing 34 (2017) 46-67



Full Length Article Service-dominant logic 2025

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ABSTRACT

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Keywords: Service-dominant logic S-D logic Theory Institutions Ecosystem

A BSTRACT During the large decade, service-dominang (5-D) logic (1) has taken a series of significant theo-resid turns, (2) has had fondational permises molified and added and (2) has here consol-idated into a number set of core advantus. 5-D logic can continue to advance over the next decade by moving toward further development of a general theory of the market re-quires developing more milange theoretical finaneworks and concepts of service exchange, re-moter brankly, to a general theory of voluce correlation. The source the second term brank theoretical term of the second second second second second second second second midrage theoretics can be paralial justificanteed by theoretical and structuration the roles. Evidence-based research is also needed: opportunities exist in a second as all transmission of the service of cognitive mediations (2) opplications of complexity consolics and (1) the study of the arcsive of cognitive mediations (2) opplications of complexity consolics and (2) the study study of macromodering including ethics, economic, environmental and social isontalizability as well as public policy. For each of the new limit through and social isontalizability aragements, which facilitate coordination anong actor in service ecosystems, in seeded. 0 20 the lower (2) for service the new limit through the instructions and the aragement, which facilitate coordination anong actor in service ecosystems, in seeded.

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1. Introduction

Service(s) marketing began to emerge in the early 1980s as a distinct area focus of marketing scholars worldwide. Initially, probably few scholars, T at later, service marketing might be proclaimed as a transcending perspective service dominant (5-D) logic (Vargo & Lack. 2004a, 2004b). As fost and Iliuz reasingly, and heritably, all of marketing will come to resemble to a greate

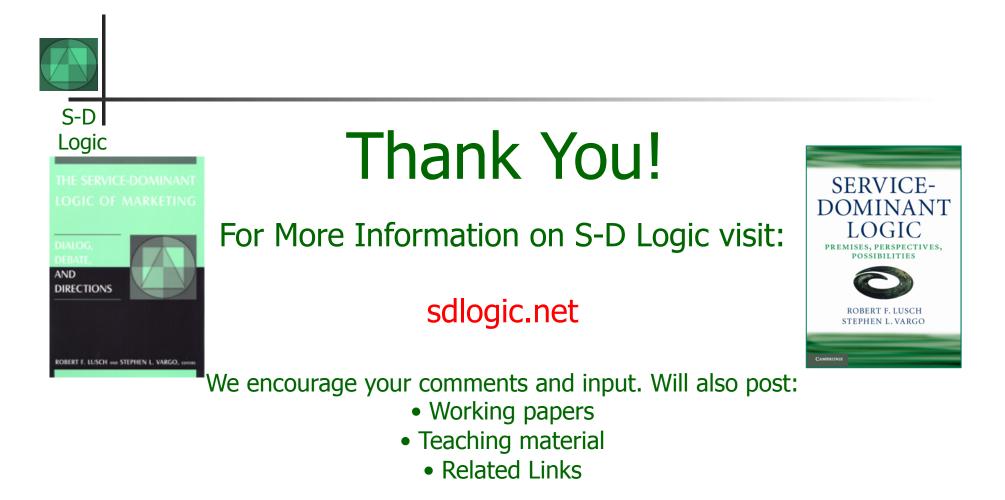
creasingly, and inevidably, all of marketing with come or exemines to a give-marketing.". Simultaneous with service(s) marketing achieving a wider impact, an idea firm) had to take a role in estability the discipline of computer science. Is a major role in the advocasy and development of service science. Given the sul was not superimited this effort dress (intermediate) and the research of man tion from a host of other leading firms, in particular, the industry leaders of d

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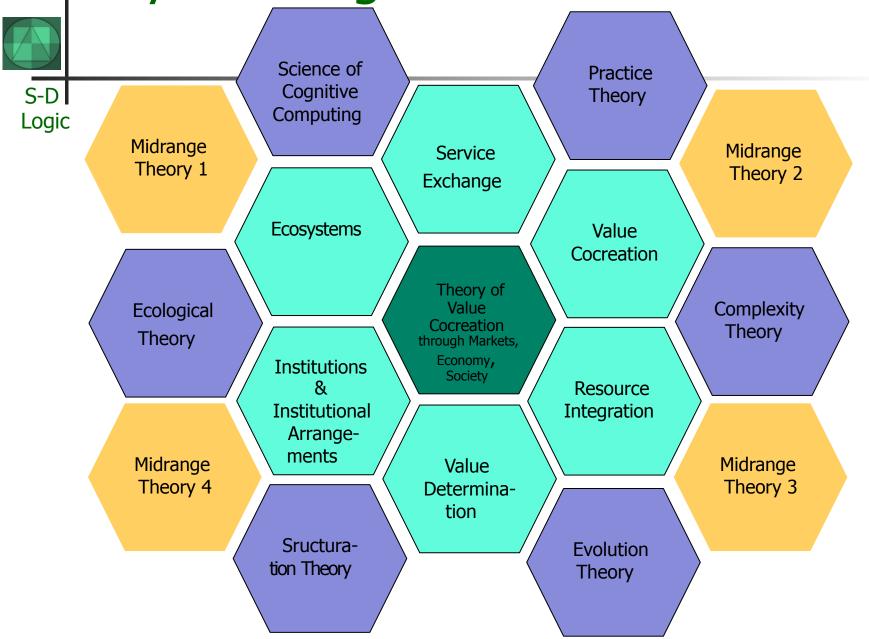
The S-D logic Landscape

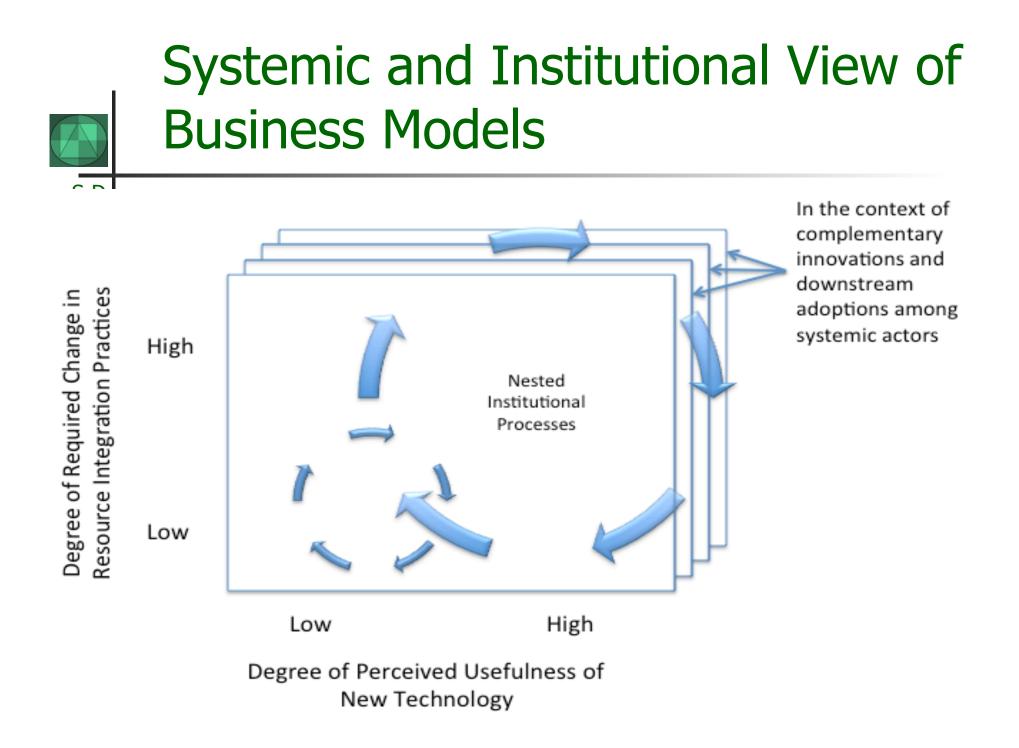
study of macromarketing, including ethics as well as public policy. For each of these,	would have envisioned that several decades and of materials as has been suggested by (2014, p. 206) have recently commented, "In- gare the formerly specialized area of service as surfacing at IBM that, just as it (and other ald be similarly inportant for industry to take nntial advancements in service(s) marketing, it revice(s) marketing scholars and also participa-			Aggregation	
(ultrang general zon s. 1.30) 6 Elbeder R.V. All rights reserved.			Macro Level	Meso Level	Micro Level
	Leve	ls	(e.g., societal, community national, global, local)	(e.g., "industry"/market cartel)	(e.g.,
Meta-theoret (e.g., S-D logic, cocreation of v			Primary Focus to Date		
Theory/ Abstraction	Midrange theo (e.g., engagemen coproduction) Micro-theoreti (e.g., law of exch decision making	nt, <mark>cal</mark> nange,	Increasing Attention, Looking Forward		

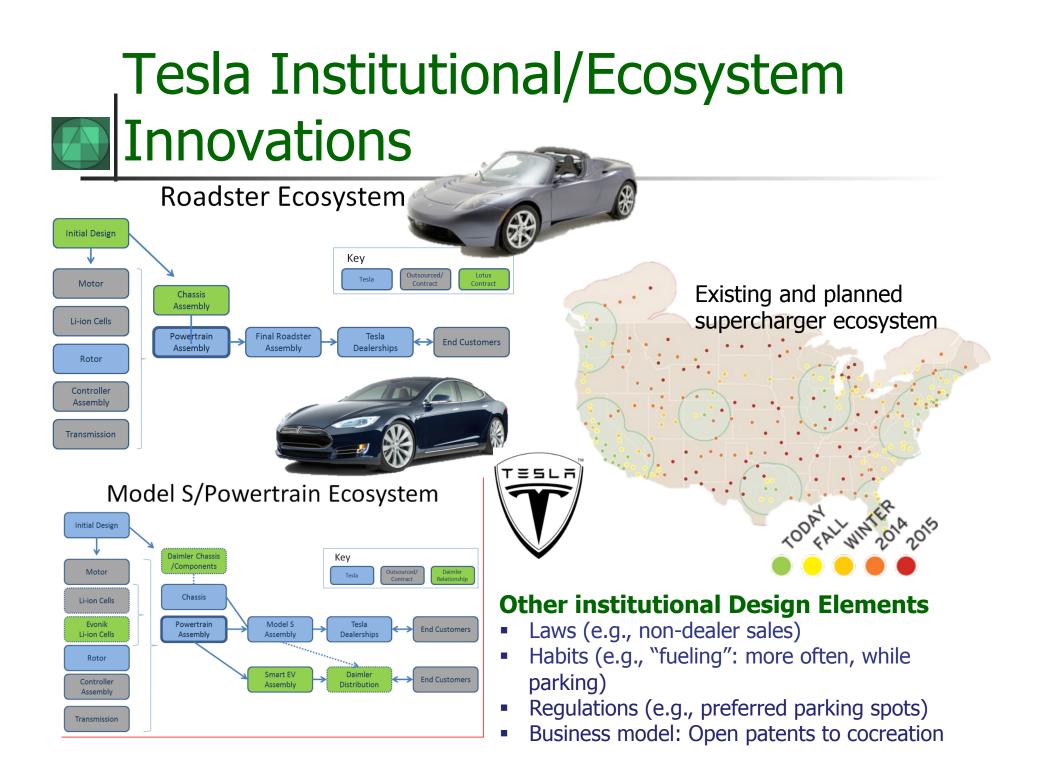


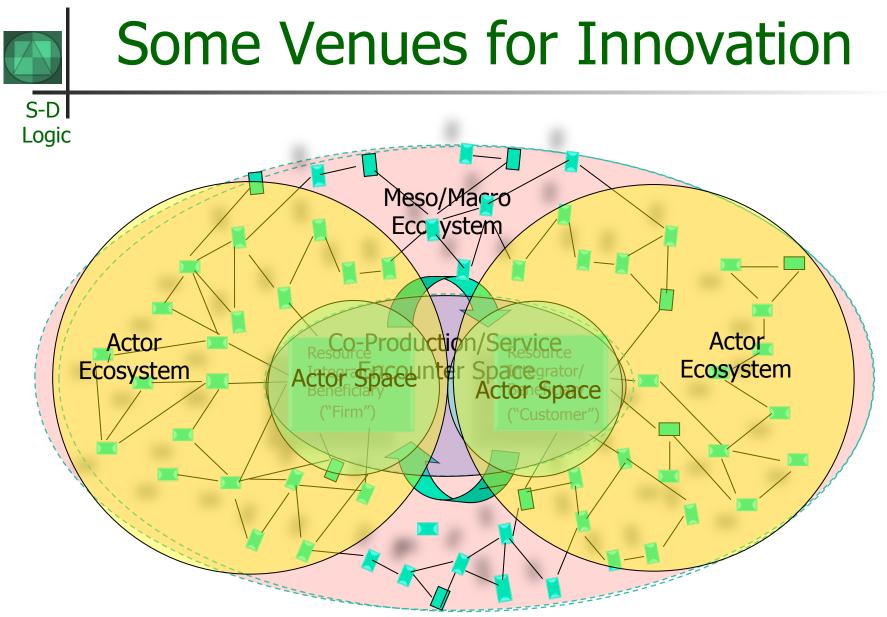
Steve Vargo: svargo@sdlogic.net Bob Lusch: rlusch@sdlogic.net

Broadly Drawing from...



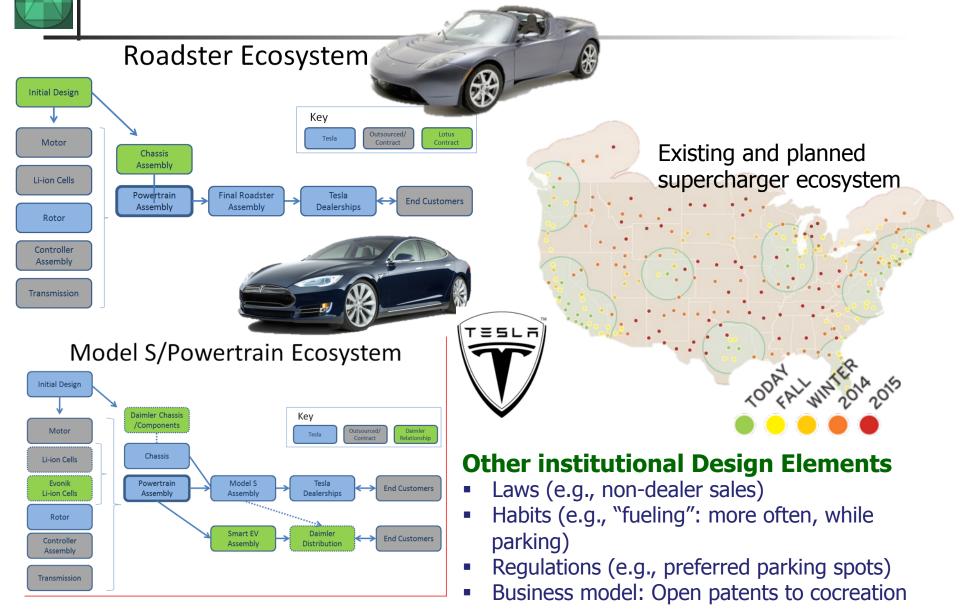


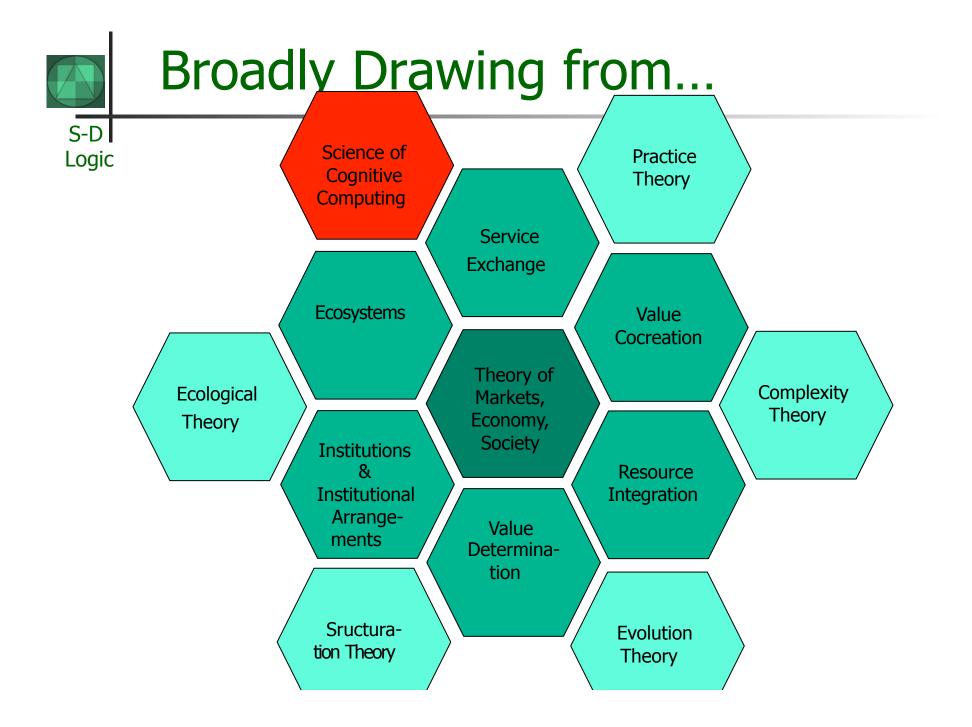


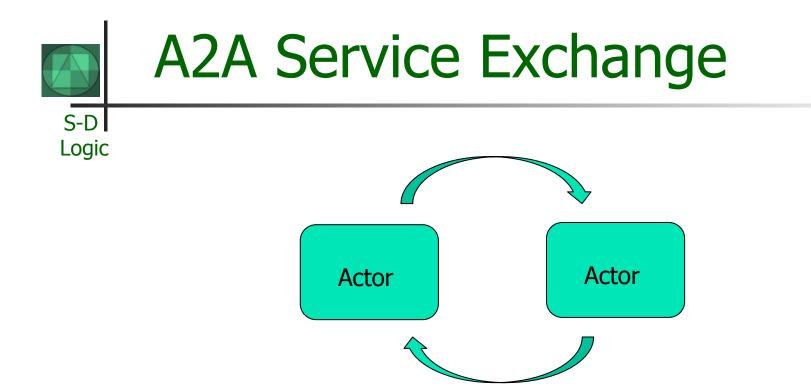


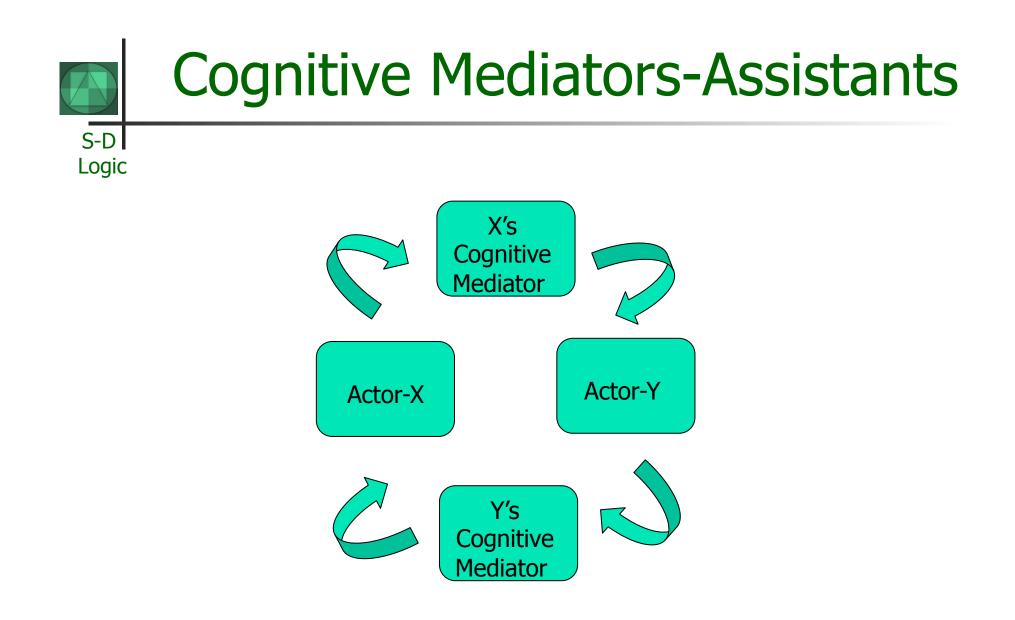
Resource Integrators

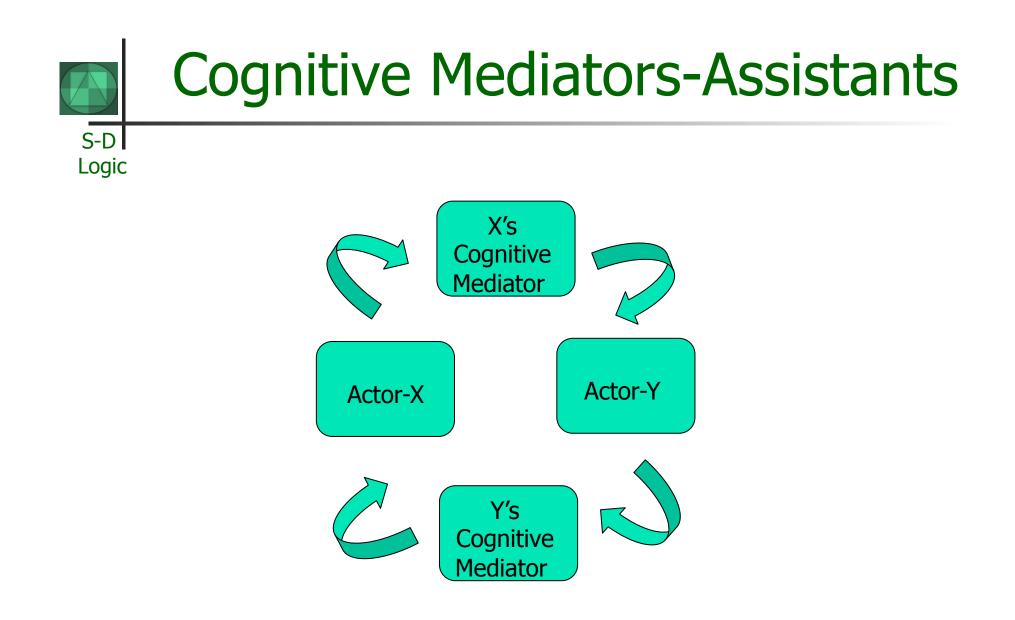
The Tesla Ecosystem Innovations

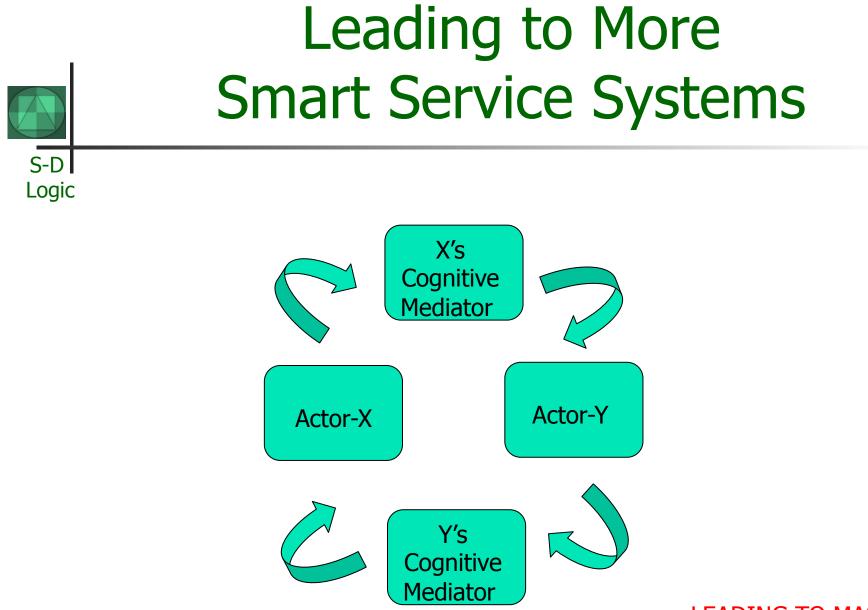




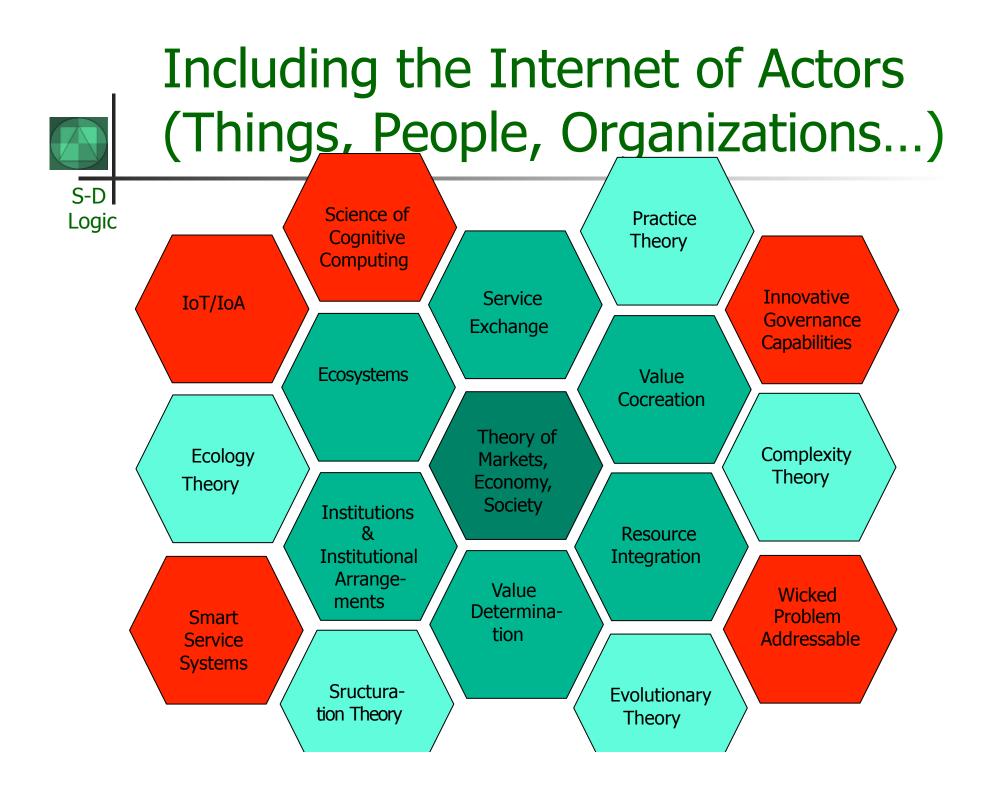


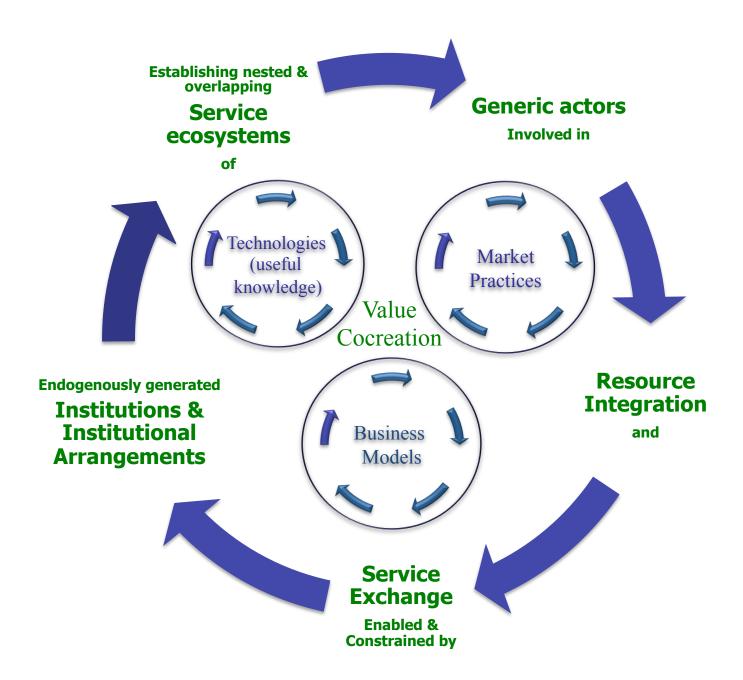


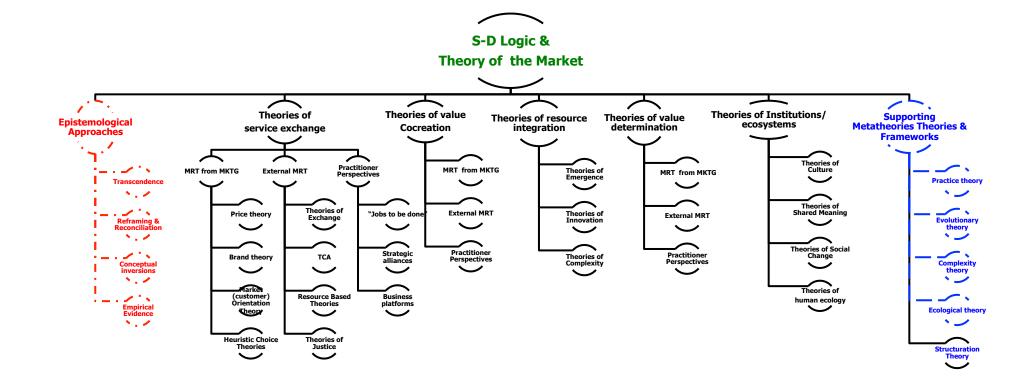


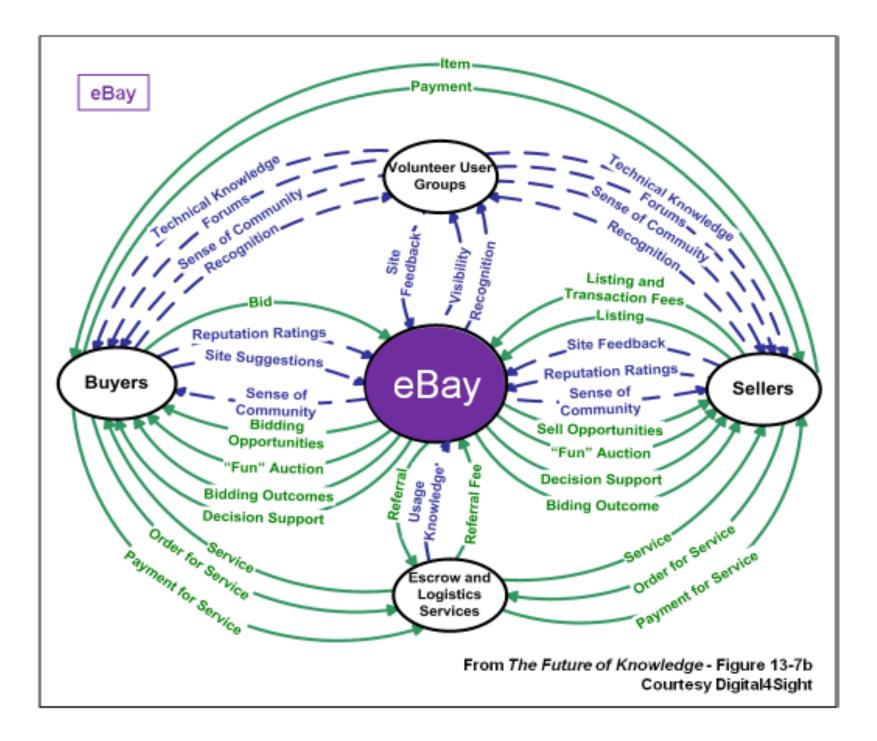


Actors can be things or humans and each can interact and exchange via a cognitive mediator. Need to recognize also that a cognitive mediator is an actor. ...LEADING TO MASSIVE GROWTH IN SMART SERVICE SYSTEMS

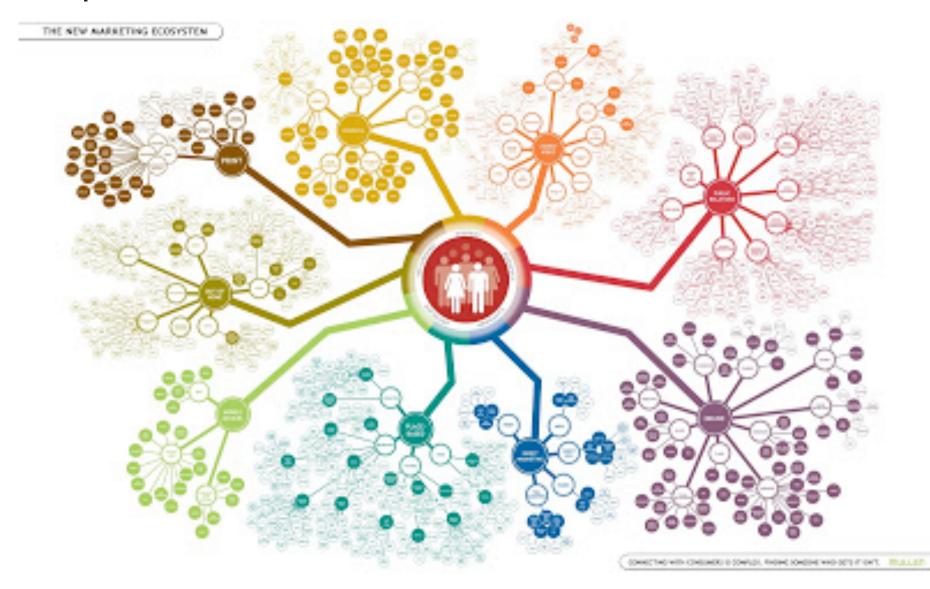








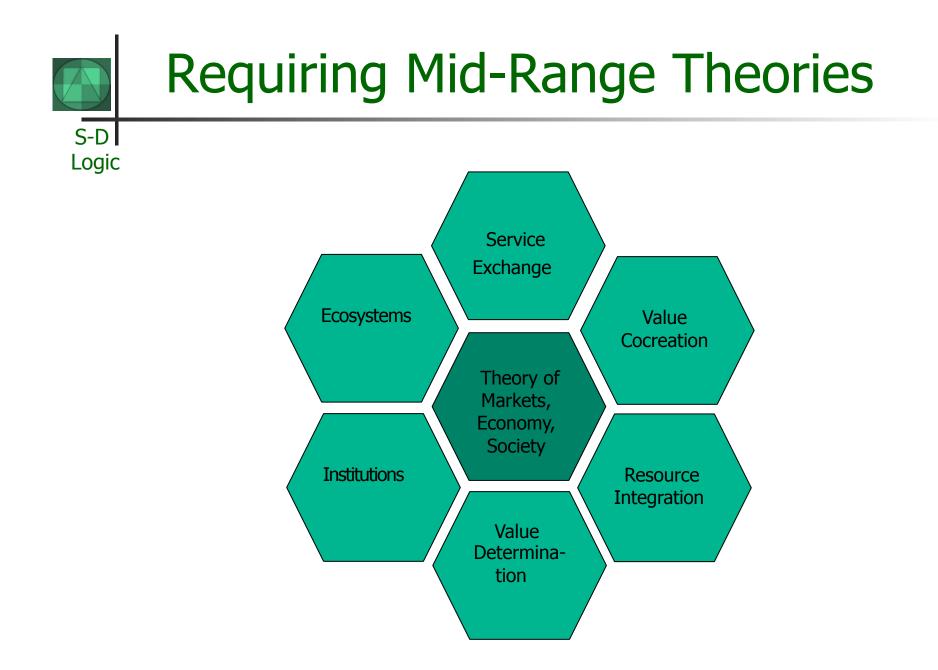
Actor-Centric (Marketing) Ecosystem

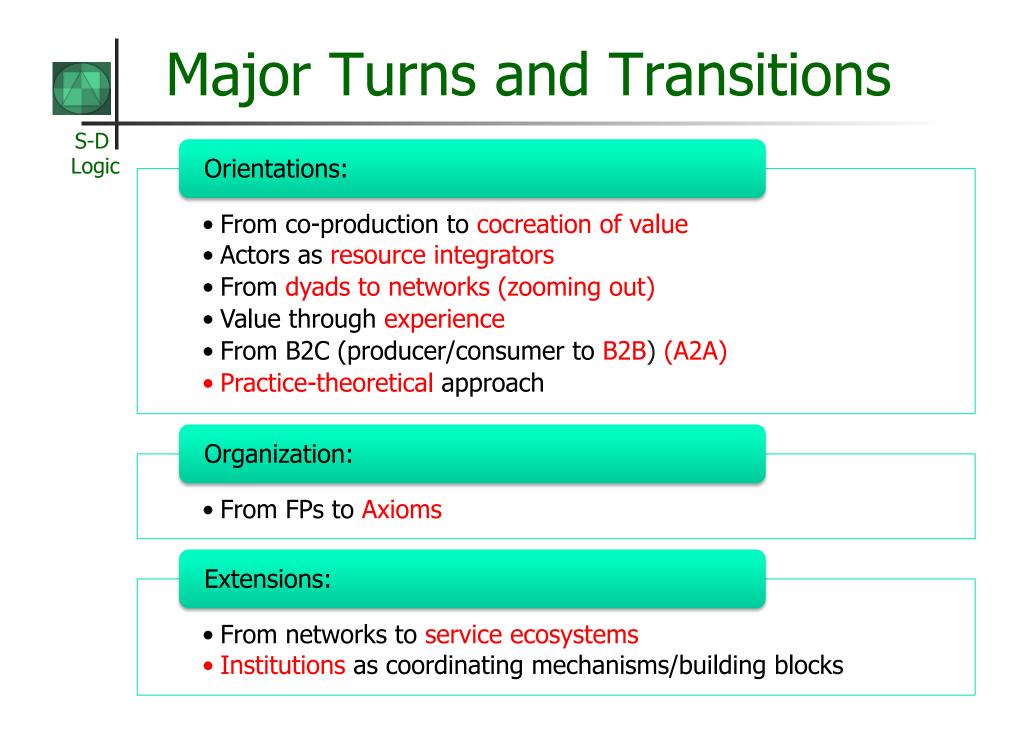




Grand Aim of S-D Logic











SERVICE INNOVATION IN THE DIGITAL AGE: KI **CONTRIBUTIONS AND FUTURE DIRECTIONS**

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Elizabeth Davidso

The current issue and full text archive of this journal is available www.emeraldinsight.com/2055-6225.htm

Institutions as resource con

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Hawaii, USA

Abstract

Purpose - The purpose of this paper is to examine the role of institutions and institut in the process through which resources-in-context get their "resourcen Design/methodology/approach – To shed light on the process of potential resources

'resourceness," the authors draw from two streams of literature: the service ecosys and institutional theory. Findings - The authors combine the process of resources "becoming" with the conc

and conceptualize institutional arrangements, and the unique sets of practices, symbo principles they carry, as the sense-making frames of the "resourceness" of pote In service ecosystems, numerous partially conflicting institutional arrangements coactors with alternative frames of sense-making and action, enabling the emergence of 'resourceness'

Research limitations/implications – The paper suggests that "resourceness" is the complex institutional context in which it arises. This conceptualization reveals the holistic, systemic and multidisciplinary perspectives on understanding the implication of resources "becoming" on value co creation, innovation and market formation.

Practical implications – As the "resourceness" of potential resources arises due to institutions, managers need a more profound understanding of the complimentar institutional arrangements and the related practices, symbols and organizing princip the multidimensional context in which they operate.

Originality/value – This paper is one of the first to focus specifically on the proc "becoming," using a systemic and institutional perspective to grasp the complexity of Keywords Institutional complexity, Institutions, Resources-in-context, Service eco Value co-creation

Paper type Conceptual paper

Introduction

Since the publication of the initial work focusing on the collaborative, cus nature of value creation at the turn of the millennium (Normann, 20 and Ramaswamy, 2002, 2004; Vargo and Lusch, 2004), the phenomen contextual view on value has received increasing attention (see, e.g. He 2012; Ng and Smith, 2012; Schau et al., 2009; Vargo et al., 2008), Service-do logic (Vargo and Lusch, 2004) and its service ecosystems perspectiv Vargo, 2014; Vargo and Lusch, 2011) build on and extend this and contextual view of value creation by highlighting the systemic na value is co-created by multiple actors connected through the exchange, in application of resources (Lusch and Vargo, 2014). The collaborative, co systemic nature of value creation implies that resources are always int

This research has been partially carried out in Digile Need for Speed program Tekes - the Finnish Funding Agency for Technology and Innovation



A service perspective: Key managerial insights from service-dominant (S-D) logic

Charles R. Greer, Robert F. Lusch, Stephen L. Vargo

Several hundred years ago, when production began to shift to factories, the firm became a bureaucracy that organized and planned production and its sale. Most production occurred in the cottage or household or in relatively small, craftsused shops. The ascendance of the bureaucracy during this period occurred when people, things, and information moved slowly. Network connections between people and organizations were relatively few, short, slow, and at times impossible to develop.

As we entered the Industrial Revolution, few recognized that the transformation was less about manufacturing and mostly about the ascendance of communication and transpor tation technologies. These developments enabled a revolution in manufacturing and established network connections between people and organizations that increasingly extended to networks connecting things, people and organizations. By the 1950's, most developed countries were moving beyond the industrial era and were entering what some called a "post-industrial", "services", "information," and "network" society. In this era, the revolutions in transportation and communication continued and were joined by a revolution in computation. Soon, the network connections and the transmission of information between people and organizations became many, long, fast, and more easily performed.

During the Industrial Revolution economics was developing as a science, largely based on the pursuit of a Newtonian like equilibrium model of markets and the economy. At the same time the manufacturing or goods-dominant (G-D) logic of management also developed. G-D logic embraced separ-ating the consumer from the firm (producer) in order for the firm to focus on producing large quantities of homogeneou goods with workers performing highly specialized tasks that increased efficiency (lower costs). These produced goods would then be inventoried and transported to customers

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when needed and domestic surpluses would be exported to help create the wealth of the nation. The firm focused on the production and sale of homogeneous units of output at prices that allowed it to maximize profits.

G-D can be best described as a logic of separation. Because people, information and things moved slowly, bureaucratic and hierarchical approaches to management provided good solutions for coordinating work within orga nizations. In the factory and throughout the organization, people performed specialized jobs in order to gain efficiencies through a high division of labor within the factory (e.g., automobiles, steel, brewing). Even when it came to mana ging the firm, some individuals performed the job of analyzing the exogenous environment while others prepared multiyear plans and still others performed the control function. Because information was scarce and took time to disseminate, the process of analysis, planning, and control also was costly and slow

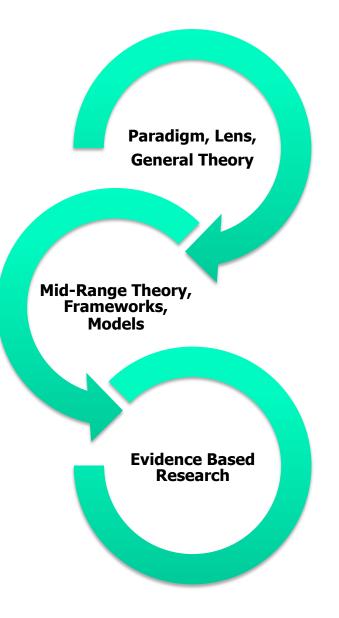
Today, the Internet connects workers, suppliers, customers and other stakeholders. We are now beginning to see more clearly the many-to-many networks that characterize business and society. National, regional and global transportation systems have also enabled firms (e.g. Amazon, FedEx, Walmart) to compete across large geographic markets. Firms also com pete for talent, some of which can be obtained through knowl edge workers using the Internet to collaborate. More and more specialized business processes are now Internet- or Cloudbased and have been implemented to increase collaboration (both with customers and suppliers and within the firm itself) improve service, and strengthen relationships. Examples of such Internet- or Cloud-based processes include data sharing at Phillips, order tracking at Stanley Black & Decker, knowledge sharing and activity updating at Coca-Cola Enterprises and account tracking at Herman Miller.

Please cite this article in press as: C.R. Greer, et al., A service perspective, Organ Dyn (2016), http://dx.doi.org/10.1016/

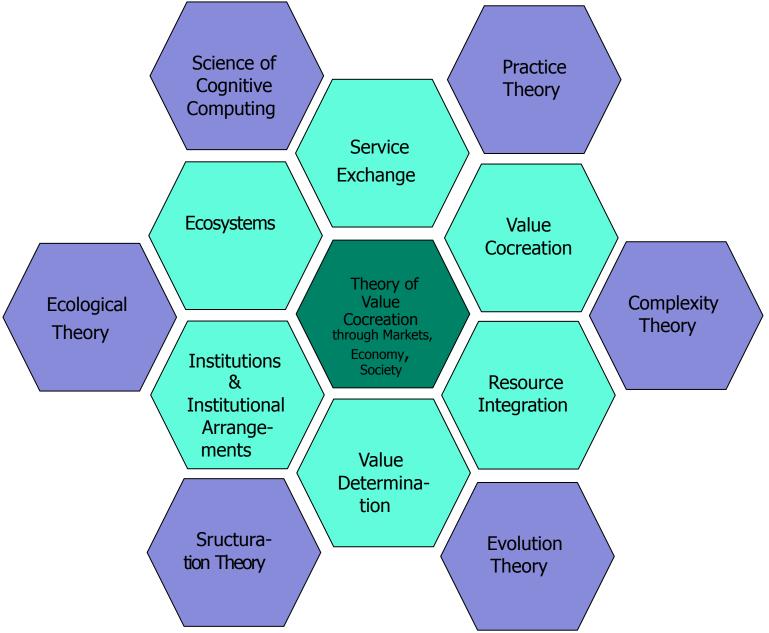
tn://dx.doi.org/10.1016/j.orgdyn.2015.12.004

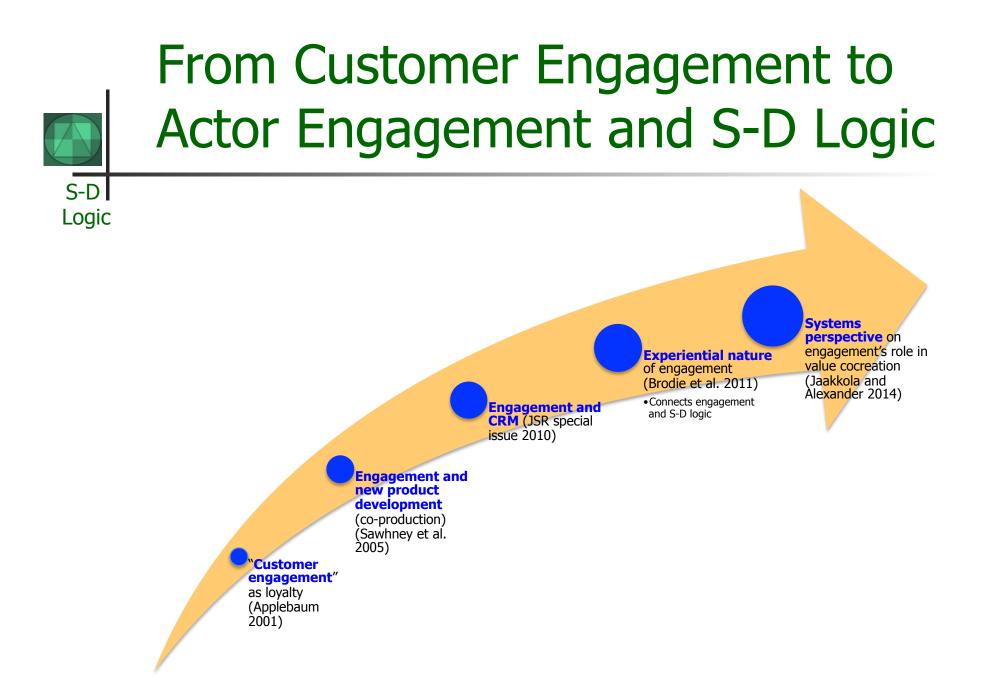


Levels	Aggregation			
Levels Theory/ Abstraction	Meta-theoretical (e.g., S-D logic, cocreation of	Macro Level (e.g., societal, community national, global, local)	Meso Level (e.g., "industry"/ma rket, cartel)Micro Level (e.g., transaction s, sharing ary Focus to Date	
	value) Midrange theoretical (e.g., engagement, coproduction)	Increasing Attention, Looking Forward		



Broadly Drawing from...



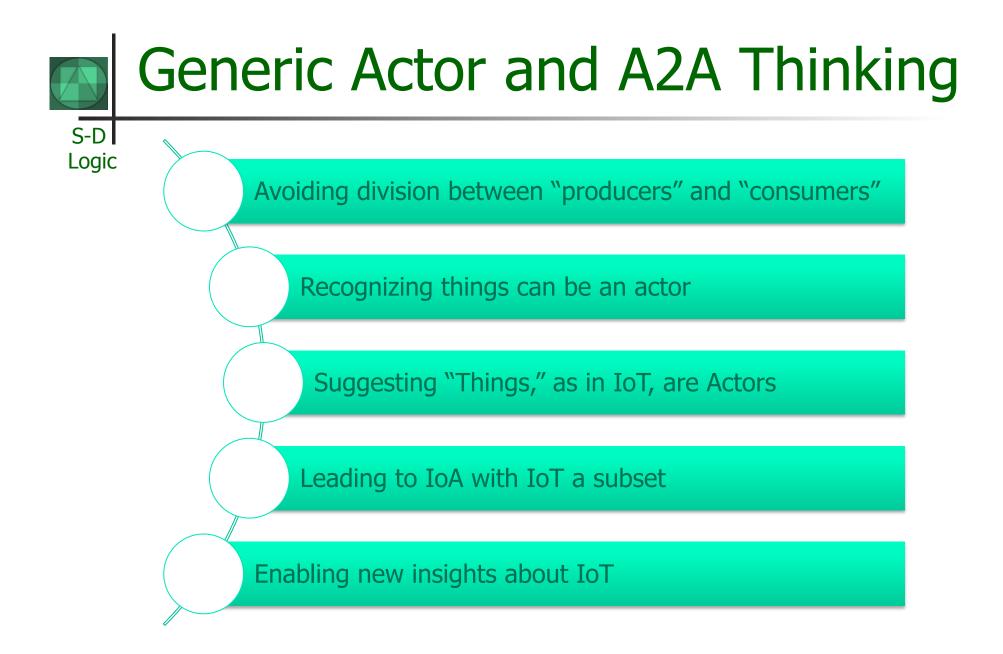


S-D Logic

Smart Systems & Science of Cognitive Computing

People with their cognitive mediators can be thought of as systems in networks. For example, a smart service system can be viewed as a type sociotechnical system in which most people are augmented with cognitive mediators to get and give service offerings. A wise service system goes beyond smart, to improve multi-scale entity interaction opportunities generation over generation improving individual and collective quality of life into the future.

Source: Jim Spohrer <u>http://service-science.info/archives/4166</u> June 2, 2016



	Program
S-D Logic	Idea Sessions
	Working-Group sessions
	 Suggest 4 (minimum) – 8 (maximum)
	Focal Topics
	 Institutions Ecosystems Technology Midrange theory development
	Networking, informal idea, and social time

FMM Associated Special Issues

Journal of Service Management

- Service-Dominant Logic, Service ecosystems and Institutions: Bridging Theory and Practice
 - Abstract submission by September 15

Service Science

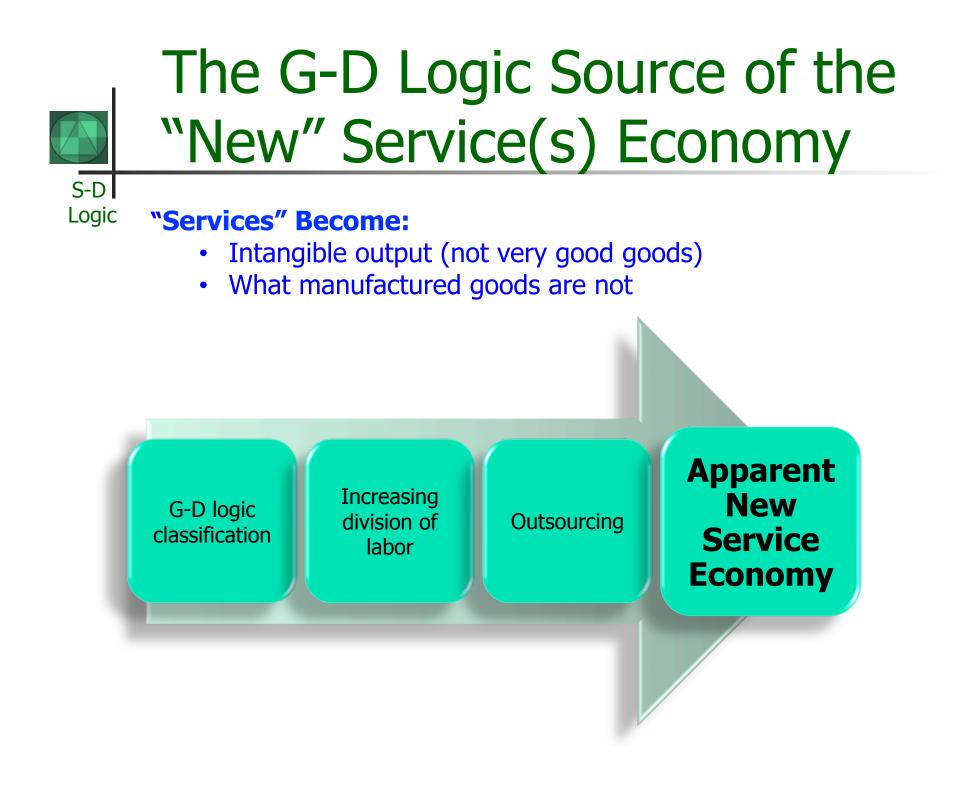
- Service-Dominant Logic: Institutions, Service Ecosystems and Technology
 - Full paper submission by Dec 1

Editors:

S-D

Logic

- Irene CL Ng
- Stephen L. Vargo,



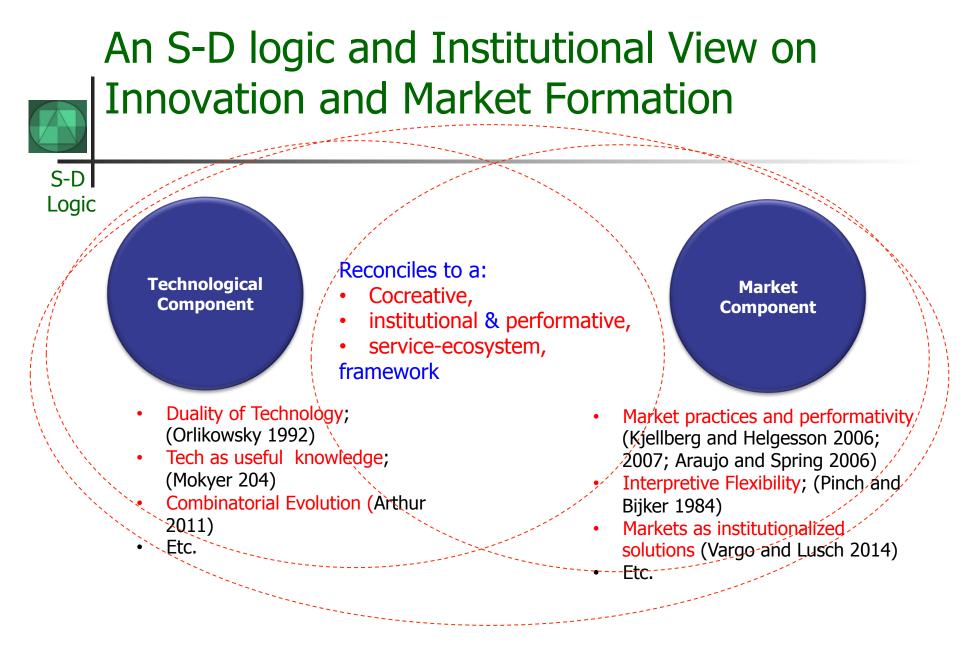
The Service-Dominant Logic World

- Service = the use of one's resources for another's benefit
 - Can be provided directly or through a good
 - Service ecosystems
 - Generic actors

S-D

Logic

- Service-for-service exchange
- Resource integration (density creation)
- Shared institutional structures
- Value co-creation



Vargo, S.L, H. Wieland, and M Akaka, (2014) Institutions in Innovation: A Service Ecosystems Perspective" *IMM* (in Press)

Technology, Market Innovation& Business Models: A Partial Reconciliation Table

S-D Logic	Technology	Market Innovation	Business Models	S-D Logic
	Duality of Technology; (Orlikowsky 1992)	Market practices and performativity (Kjellberg and Helgesson 2006; 2007; Araujo and Spring 2006)	seek to explain how value is created (not just how captured	Service Exchange
	Tech as useful knowledge; (Mokyer 204)	Markets as institutionalized solutions (Vargo and Lusch 2014)	The "institutional logic" of the firm (e.g., Thornton, Casio, and	Institutionalization
	Combinatorial Evolution (Arthur 2011)	Interpretive Flexibility; (Pinch and Bijker 1984	Business model innovation (Chesbrough 2007) Emphasize a system-level, holistic approach	Resource Integration/ ecosystems
	Social Construction of technology (Pinch & Bijker 1984)		Cocreation firm and partner(s) activities play important role	Value cocreation



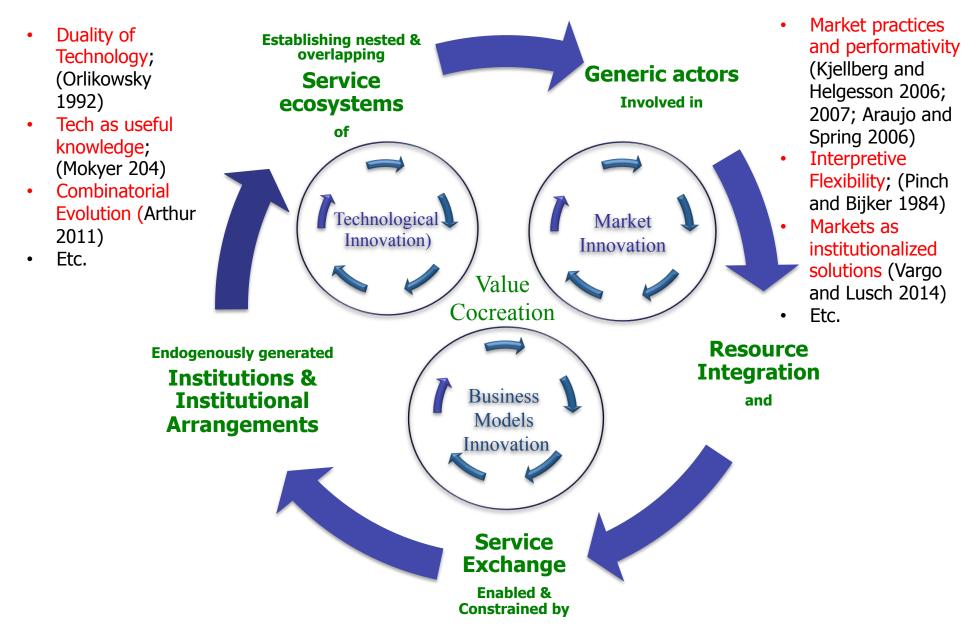
S-D Logic

Innovation Becomes...

Developing more effective value propositions for participating in beneficiaries' resource-integrating, value-creating practices, through service

- Systemic, emergent,
- Co-created and co-evolutionary
- Function of (de)institutionalization

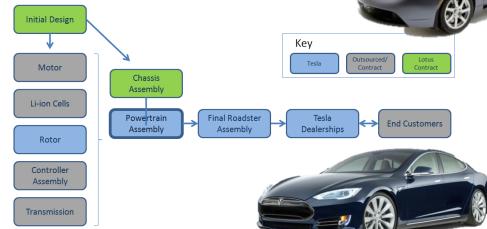
A Fractal Model of Value Creation



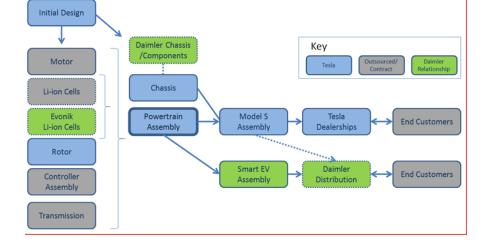
The Tesla Ecosystem Innovations

TESLI

Roadster Ecosystem



Model S/Powertrain Ecosystem



Other institutional Design Elements

US supercharger ecosystem

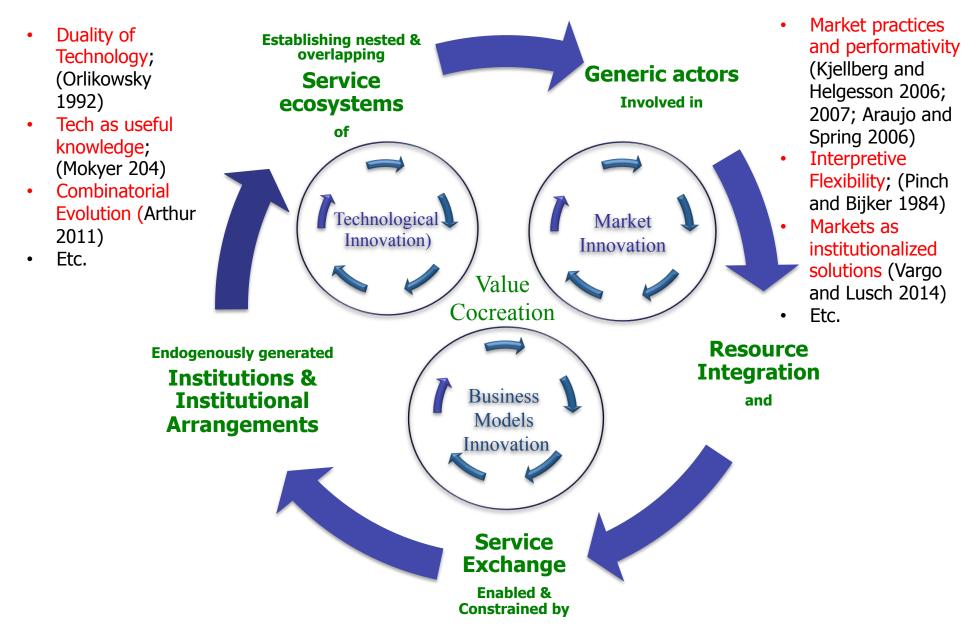
- Laws (e.g., non-dealer sales)
- Habits (e.g., "fueling": more often, while parking)
- Regulations (e.g., preferred parking spots)
- Business model: Open patents to cocreation



Technology, Market Innovation& Business Models: A Partial Reconciliation Table

S-D Logic	Technology	Market Innovation	Business Models	S-D Logic
	Tech as useful knowledge (Mokyr 2002) Duality of Technology; (Orlikowsky 1992)	Market practices and performativity (Kjellberg and Helgesson 2006; 2007; Araujo and Spring 2006)	seek to explain how value is created (not just how captured (Zott et al. 2011)	Service Exchange
	Social Construction of technology (Pinch & Bijker 1984)	Markets as institutionalized solutions (Vargo and Lusch 2014)	The "institutional logic" of the firm (e.g., Thornton et al. 2012)	Institutionalization
	Combinatorial Evolution (Arthur 2009)	Interpretive Flexibility; (Pinch and Bijker 1984) Markets as socio- technical arrangements or agencements (Caliskan and Callon, 2010)	Business model innovation (Chesbrough 2007) Emphasize a system- level, holistic approach (Zott et al. 2011)	Resource Integration/ ecosystems
	Technology enables	Markets as	Cocreation firm and	Value cocreation

A Fractal Model of Value Creation



S-D

Logic

Rethinking Goods and Service(s)

Wrong Thinking about Goods: Good are not why we buy goods

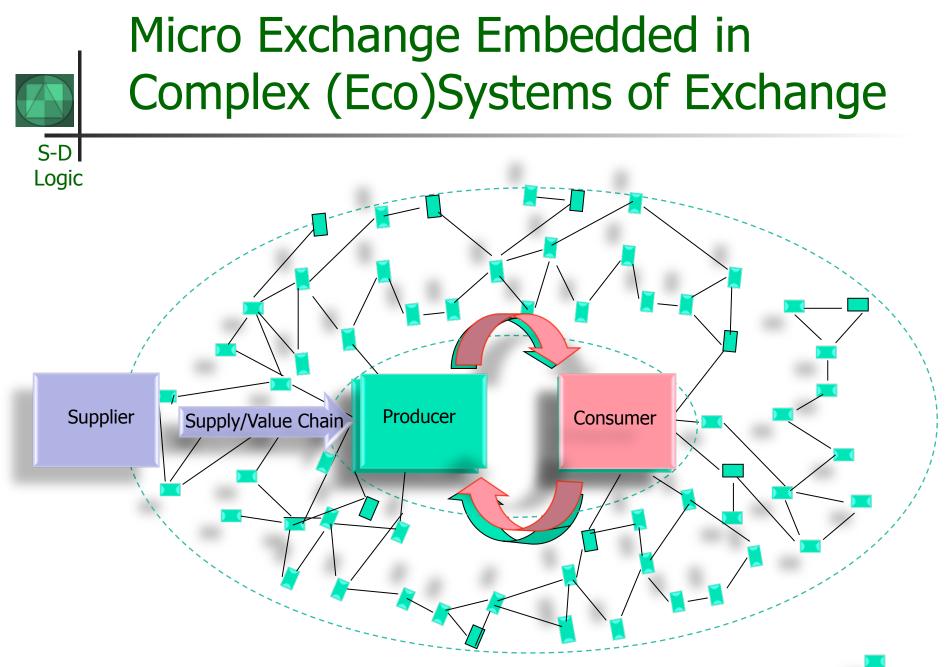
- Service (benefits) they provide
- Intangibles (brand, self image, social connectedness, meaning)
- Inputs into holistic experiences

Wrong Thinking about Service: "Services" Stated as types of Goods

- Value-enhancing add-ons for goods, or
- A particular (somewhat inferior) type of good: intangible output

"Right thinking" About Service: The S-D logic perspective

- Service is a process, not a unit of output
 - Using one's resources for another's benefit
- Goods are delivery mechanisms for service
- Customers are not "end users"
 - just other service providers (employees, parents, CEOs, etc.)



Resource Integrating actors

The Structure and Venue of Value Creation: Institutions & Service Ecosystems

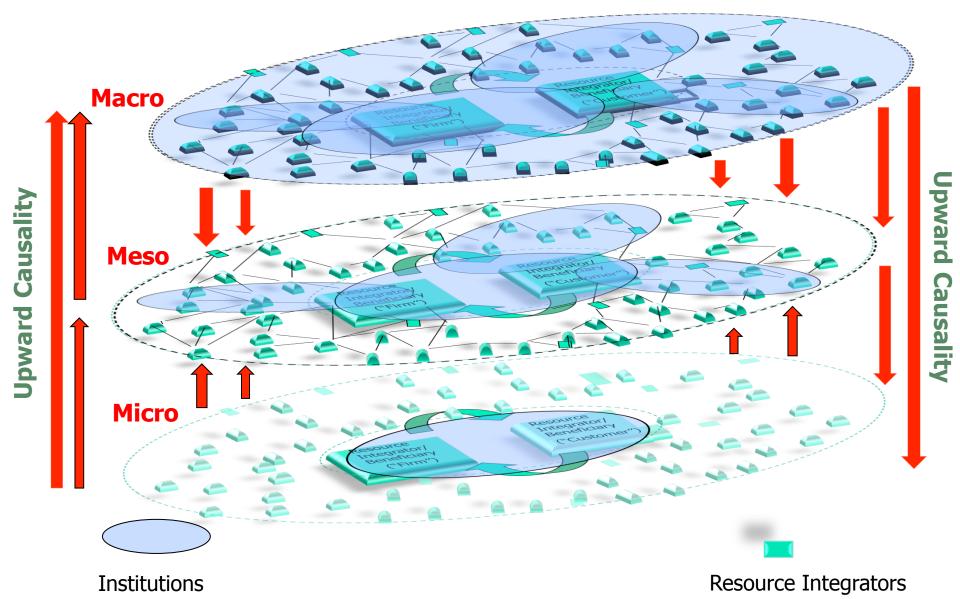
S-D Logic Institution

- "any structure or mechanism of social order and cooperation governing the behavior of a set of individuals within a given human community.
 - (Stanford Encyclopedia of Social Institutions)

Service Ecosystem (S-D logic)

 relatively self-contained, selfadjusting systems of resourceintegrating actors connected by shared institutional arrangements and mutual value creation through service exchange.

Resource Integration & and the Structuration of Service Ecosystems



The Purpose and Power of Institutions

"It is a profoundly erroneous truism...that we should cultivate the habit of thinking of what we are doing. The precise opposite is the case. Civilization advances by extending the number of important operations which we can perform without thinking about them." Alfred North Whitehead (1911, p. 61)

S-D

Logic

Institutions allow this limited-cognition rationality.

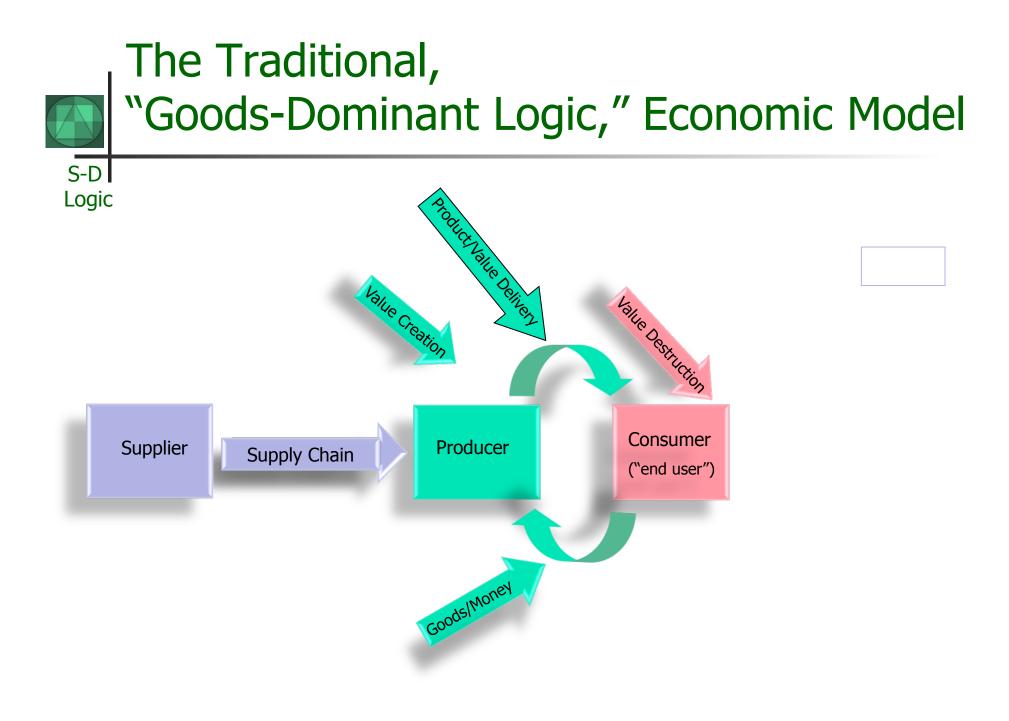


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S-D Logic





THE SERVICE-DOMINANT LOGIC PERSPECTIVE