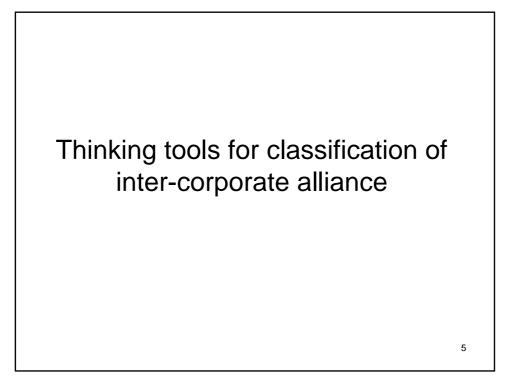


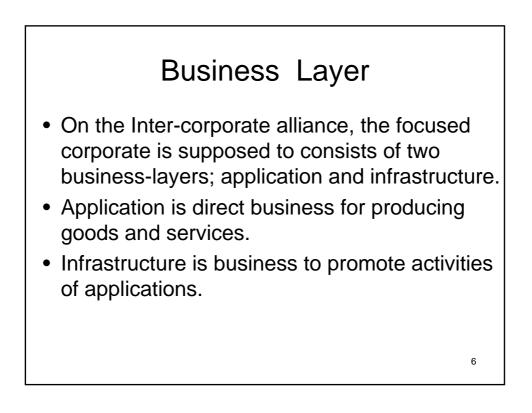
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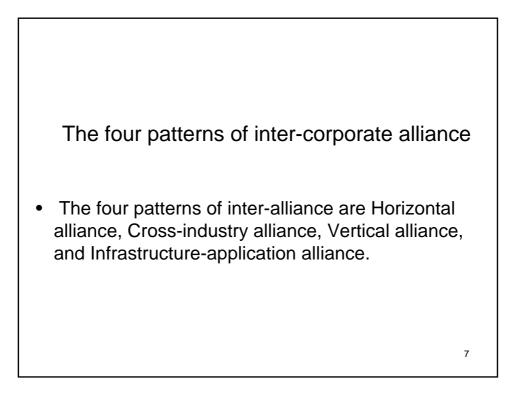
The purposes of this paper

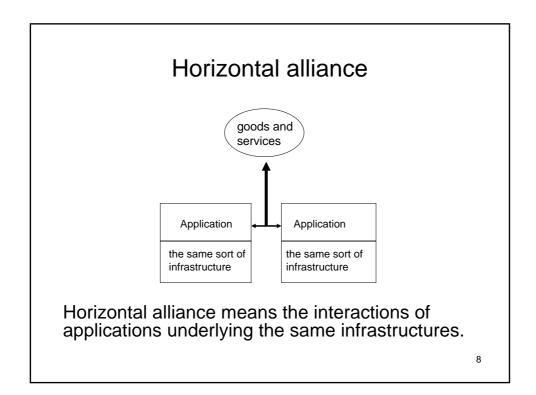
- The new four patterns of Inter-corporate alliances are presented and the relationship between their patterns and the concepts of economies makes clear.
- Merits and risks by the difference of alliance –patterns makes clear.
- The concepts of economies are examined in connection with Inter-corporate alliances.

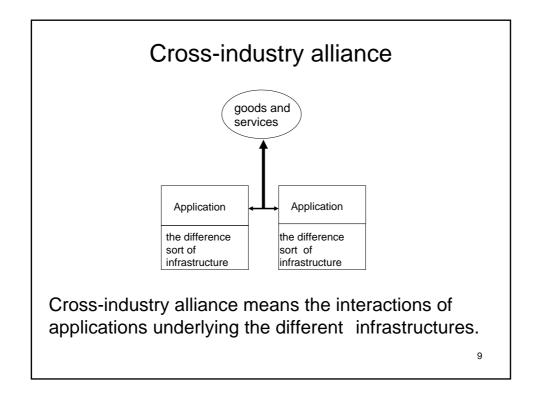


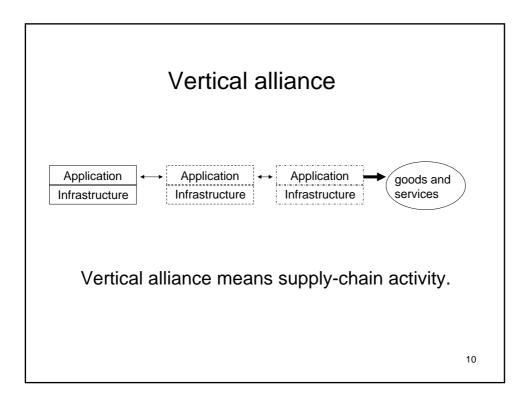


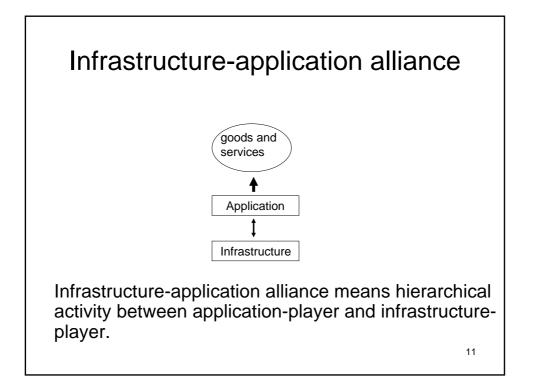


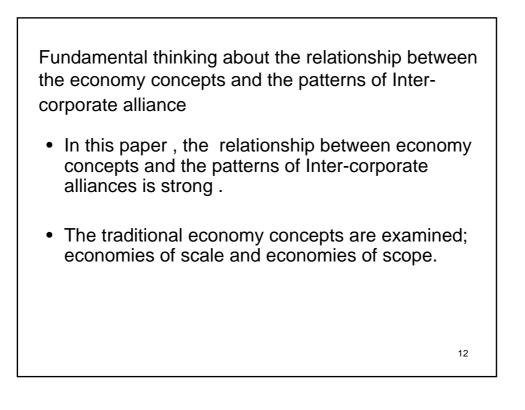


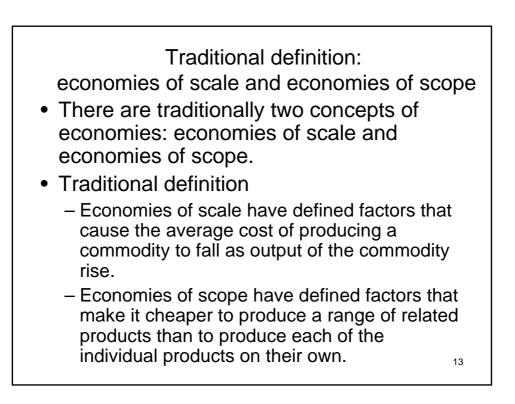


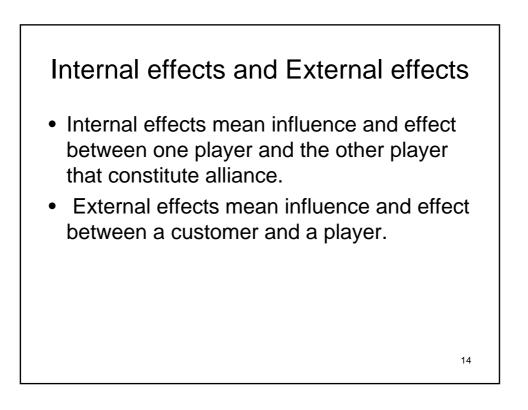












Explanation of two economy concepts in this paper

- Economies of scale is internal and external effects (merits and risks) that increases activity -scale by alliance.
- Economies of scope is internal and external effects (merits and risks) that cause combinations or connections of the different products, business and activities by dyadic corporate-alliance.

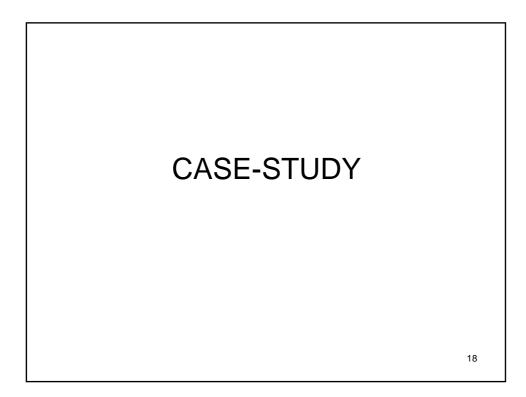
Economies of coupling and Network Externalities: Economies of coupling

- There are two pre-concepts in relation to economies of scope; Economies of coupling and Network Externalities
- Economies of coupling defines plural firms are coupling, and the connection of information and know-how of them cause synergistic effects (Miyazawa 1988)
- Miyazawa doesn't distinguish the vertical alliance from the cross-industry alliance that this paper does .

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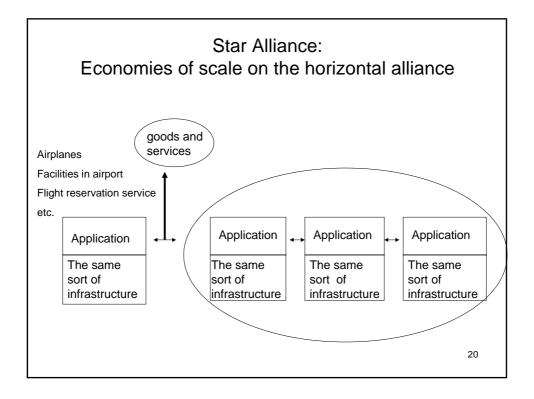
Economies of coupling and Network Externalities: Network Externalities

- The concept of Network Externalities is a part of external effects on economies of scope of the infrastructure-application alliance.
- The traditional definition : Network Externalities are the effects on a user of a product or service of others using the same or compatible products and services. The benefits of a user are increasing as increasing the number of other user.
- Network Externalities may effect on the small scale as a whole.
- For example, a small number of users can be increasing the benefits by accessing the infrastructure of the infrastructure application alliance.



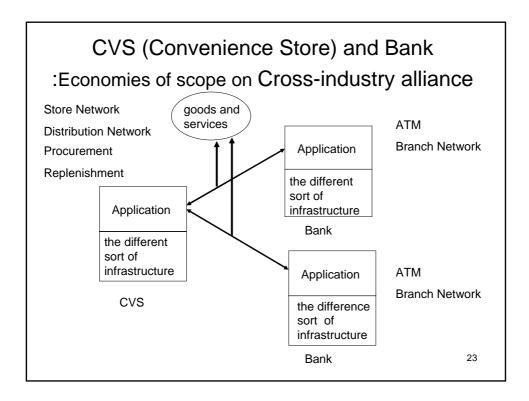
Four cases and the patterns of Inter-corporate alliances

- Horizontal alliance Star Alliance
- Cross-industry alliance (CVS Convenience Store) and Banks
- vertical alliance KFCJ (Kentucky Fried Chicken Japan Ltd)
- Infrastructure-application alliance Sony Bank

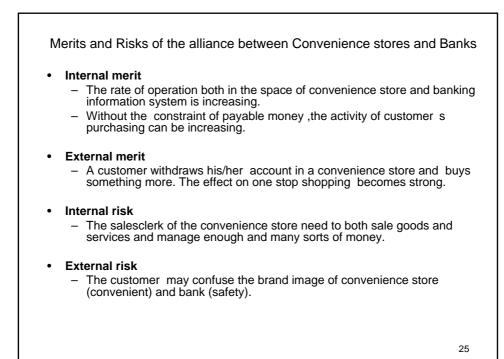




Merits and Risks of Star alliance
Internal merit
 The equipments that use in the airplane; many pieces of paper cup ,blankets are standardized and can be procured in the worldwide.
External merits
 The common mirage highly increases the attractions of the mirage system.
 The flight schedule of another member is coordinated in the case of the cancellation.
Internal risk
 The critical mass of passengers is needed by the width of flight network.
External risk
 As Star Alliance is a big group of air flight companies, it makes flight choices of passengers less.
22





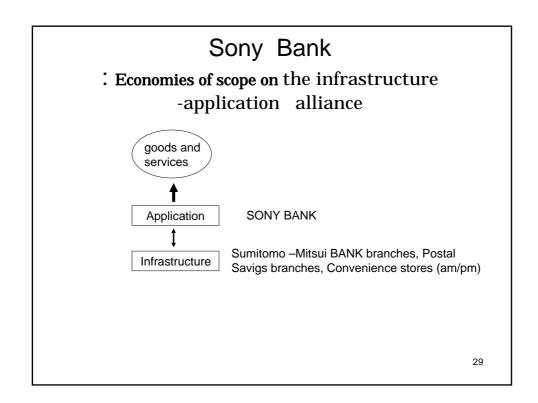


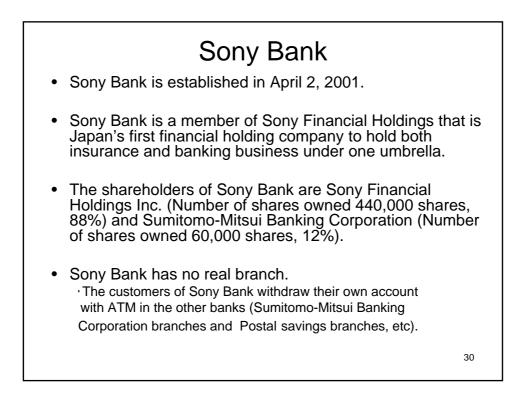
Supply-chain of KFCJ (Kentucky Fried Chicken Japan Ltd) :Economies of scope on the vertical alliance stock and cooking and fatten dissection distribution selling Application Application Application goods and Application services Infrastructure Infrastructure Infrastructure Infrastructure Stockyard Direct management Firm Factory and Truck stores and FC stores Contract Authorized Distributor Direct management Firm store and FC store Factory 26

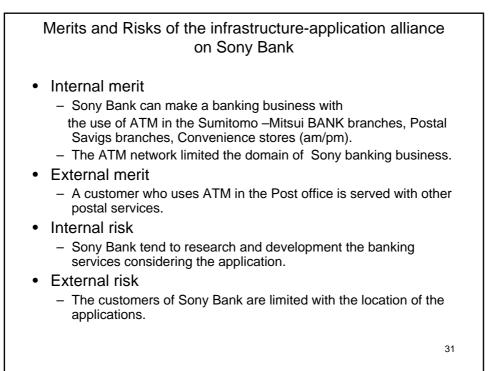


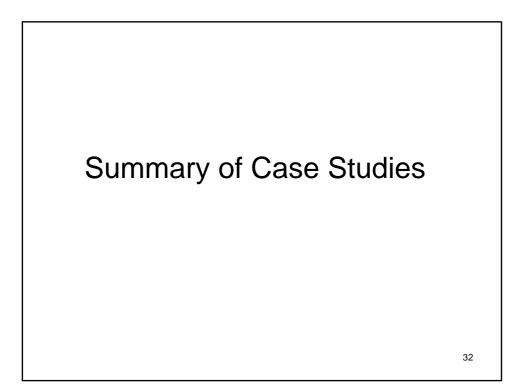
- Kentucky Fried Chicken Japan Ltd. is a fast food franchiser and main food is fried chicken.
- Kentucky Fried Chicken Japan Ltd. has instituted and managed the supply –chain; Contract Firm-Authorized Factory-Distributor-Direct management stores and FC stores.





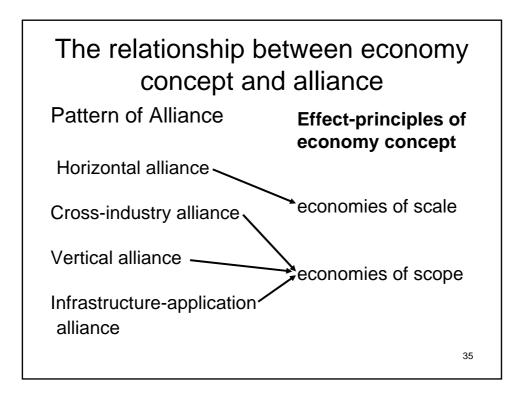


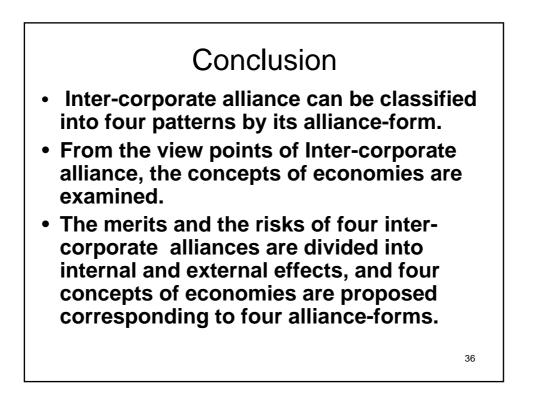




Economy concept	Internal merit	External merit
Economies of scale on the horizontal alliance	the average cost of producing a commodity to fall per unit and critical-mass	easy access to purchase and use
Economies of scope on Cross-industry alliance	complementation assimilation	increase of one stop shopping
Economies of scope on the vertical alliance	the constant supply , improvements across the supply chains and differentiation	easy proposal across the supply chains
Economies of scope on the infrastructure- application alliance	whole business formation, the limit of business domain	promoting users' convenience

Economy concept	Internal risk	External risk
Economies of scale on the horizontal alliance	making flexibility low on the rate of operation	a choice range reduce
Economies of scope on Cross-industry alliance	complexity of coordination and judgments with activities	brand image confuse by combination
Economies of scope on the vertical alliance	difficulty of changing membership	brand image limited by the alliance partner
Economies of scope on the infrastructure-application alliance	developing constrains underlying partner's standard	minority opposition withou uses of government and infrastructure





	REFERENCES
•	Asaba, Shigeru. (1995). Strategy of Competition and Corporation., Yuhikaku, Tokyo. Chandler, A. D. Jr. (1990). SCALE AND SCOPE : The Dynamics of Industrial Capitalism ., Harvard University Press, Cambridge. Hasegawa, Mitsukuni. (1997). Integration of Corporate Structure. Yamaguchi journal of economics,
•	business administration & laws. 45(6):191-216. Kokuryo, Jiro. (1995). Open Network Management., Nihonkeizaishinbunsya., Tokyo. Matsuyuki, Akiko. (2000). International Strategic Alliance., Cyuoukeizaisya, Tokyo.
•	Milgrom, P., and Roberts, J.(1992). ECONOMICS, ORGANIZATION & MANAGEMENT., Prentice Hall, New Jersey. Miyazawa, Kenichi. (1988). Unstable Situation between Neighboring Industries and
•	Cómputerization., Yùhikaku, Tokyo . Miyazawa, Kenichi. (1994). Economics of Institution and Information. Yuhikaku, Tokyo.
	Morioka, Takafumi., and Negoro Tatsuyuki. (2000). Four Patterns of Inter-Corporate Alliance and Effects and Risks of Each Pattern, Information and Communication Studies of The Faculty of Information and Communication Bunkyo University.,24:1-47
•	Negoro, Tatsuyuki., and Sakatsume, Hiroshi. (1999). Development and Kaizen of KFC Supply Process. <i>IE Review</i> ., 40(1):54-62. Negoro, Tatsuyuki., and Ogawa, Sachiyo.(2001). <i>Future Strategy of Pharmaceutical Medical</i>
•	Industry., Toyokeizaisinpousya, Tokyo. Negoro, Tatsuyuki .,and Morioka, Takafumi.(2001). A Study of the Merits and Risks in Inter- Corporate Alliance. Journal of Japan Association for Management Systems.,18(1):25-34
•	Ogawa, Takuya. (1995). <i>Strategic Alliance.,</i> Eruku ,Tokyo. Takeda, Shiro.(1992). <i>International Strategic Alliance .,</i> Doubunkan, Tokyo.