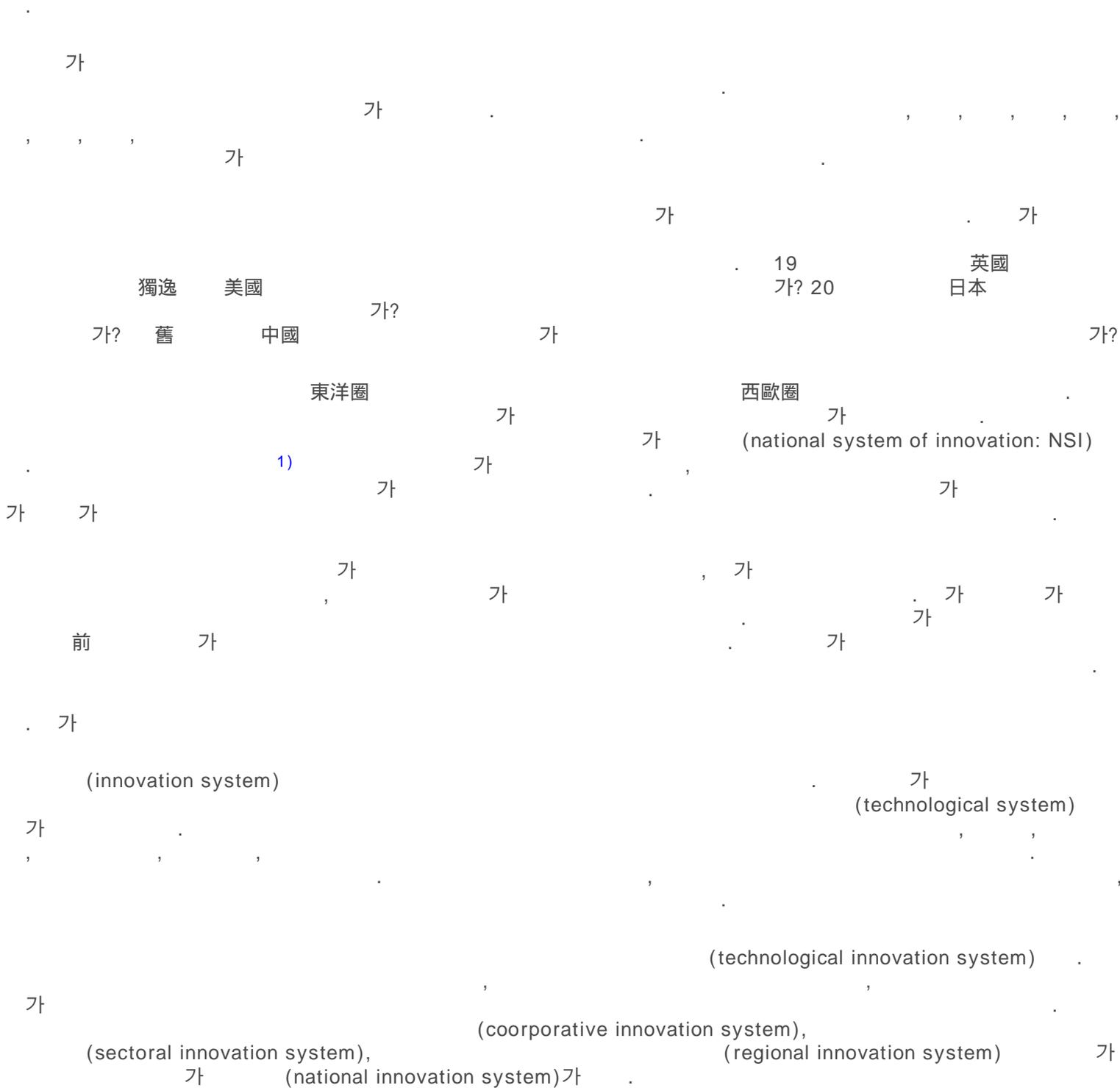


/ISSUES

가

Components of National Innovation System - Their Roles and Interactions -

()1



가 가 가 ,
가 가 .4)

가 (demand - pull theory) 가 (technology - push tehory)

- 가 가

1.

가 가 , 가 가 가
가 가

(fluid stage) (transition stage) (specific stage) - (Utterback and Abernathy)

金仁秀·李軫周 가

.5)

.6) 金基永·鄭求鉉

.7)

(interdisciplinary)

(Kline and Rosenberg)가 .8)

- (chain - linked model)

가

가 가 가

가

가

가
,

가

(global system of innovation: GSI) 가

가
가 가

가

가 가

가

가

가

가 가
가 가 가

가

가

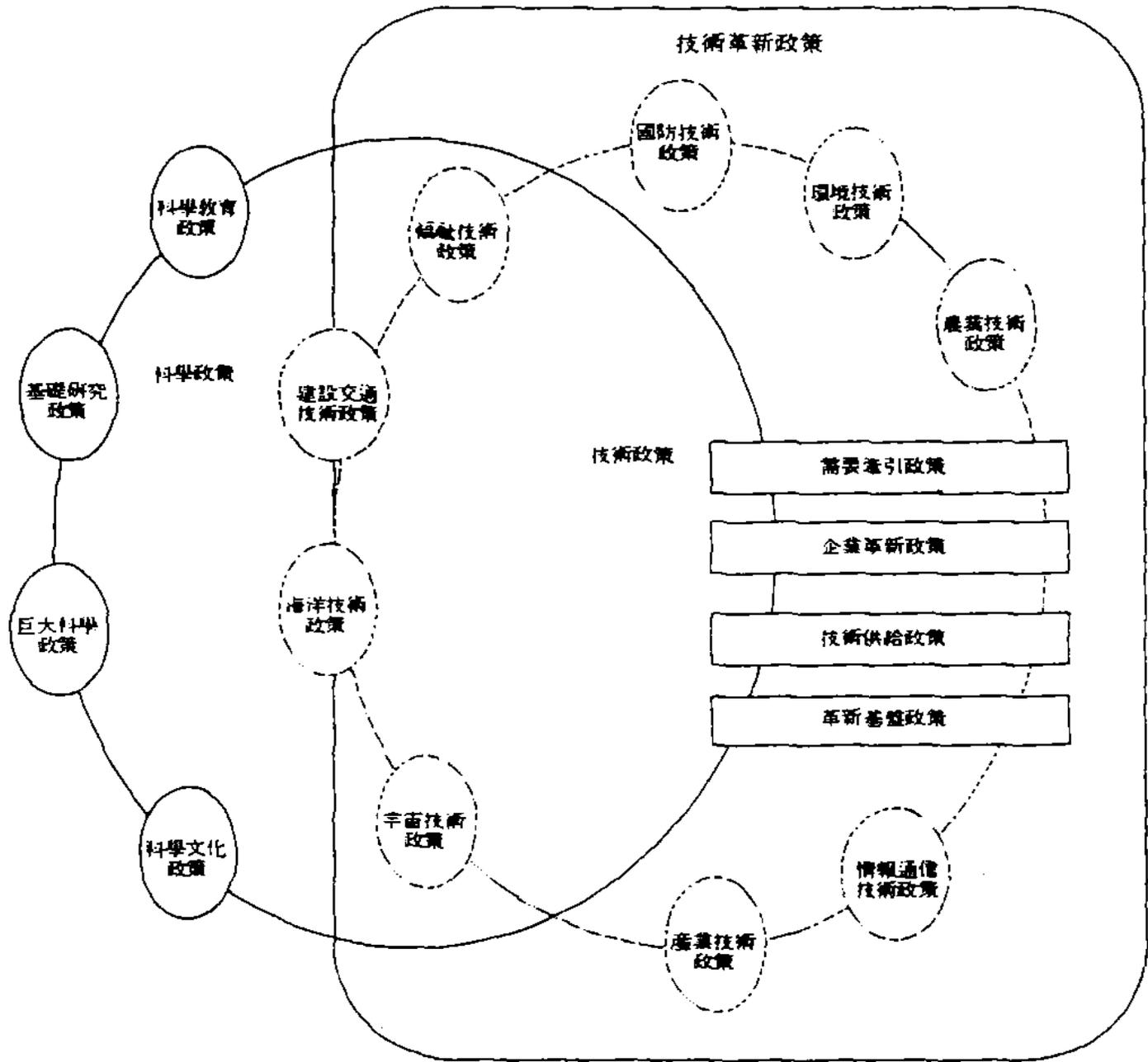
가
(innovation infrastructure)

가

가

가

.11)



가

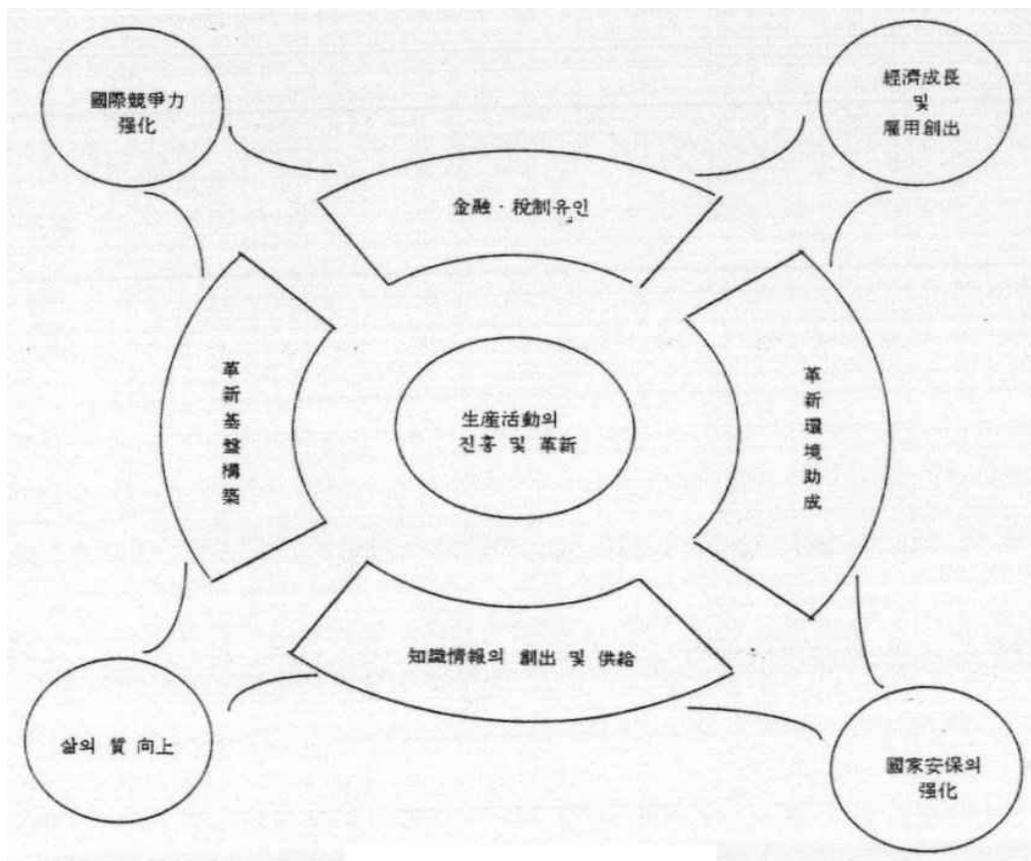
가

가

가

가,

가



< 3 >

가

가

가

가

가

가

가가

< 5 >

가

가

가

가

가

[]

- 1) Christopher Freeman, Bengt - Ake Lundvall, Richard Nelson, Esben Sloth Andersen .
- 2) Bent - Ake Lundvall, National systems of Innovation - Towards a Theory of Innovation and Interactive Learning
London : Pinter Pub.,1992.
- 3) Freeman, C., Formal Scientific and Technical Institutions in the National System of Innovation, in Lundvall, B.
(ed.) National System of Innovation, Pinter Pub., 1992. pp. 169~87.
- 4) Lundvall B., pp. 1~19.
- 5) : Lee Jinjoo, Bae Zongtae and Choi Dongkyu,
"Technology development processes : a model for a developing country with a global perspective", R&D Management
vol. 18, no. 3, pp.235~250, 1986.
- 6) , , , 1982.
- 7) , " , , 17 2 , 1980.
- 8) OECD, Technology and the Economy - the Key Relationships, pp. 23~45, 1992.
- 9) OECD
가 . OECD, 26 . 가
- 10) Bent - Ake Lundvall, National systems of Innovation - Towards a Theory of Innovation and Interactive Learning,
London : Pinter Pub., 1992.
- 11) Kong - Rae Lee. The Source of Capital Goods Innovation, forth coming, London : Harwood Academic Pub., 1996.

【 】

- 1) 金仁秀·李珍周, 『技術革新의 過程과 政策』, 韓國開發研究院, 1982.
- 2) 金基永·鄭求鉉, 『技術輸入과 技術開發에 관한 比較研究』, 『産業과 經營』, 延世大

産業經營研究所, 제17권 제2호, 1980.

- 3) 裴鐘大, 『開發途上國의 技術內在化 過程 : 技術選擇要因 및 學習成果 分析』, 과학 기술원 박사학위 논문, 1987.
- 4) 宋偉賑·黃蕙蘭, 『科學技術政策研究에 대한 새로운 접근』, 科學技術政策動向, 제3권 제5호, 1993.
- 5) 李工來 外, 『機械産業의 技術導入과 技術發展』, 산업연구원 연구보고서, 1989.
- 6) 李長載·樑喜勝, 『技術革新過程과 理論 그리고 政策』, 科學技術政策, 제4권 제2호, 1992.
- 7) 黃蕙蘭, 『日本 혁신체제의 변화』, 科學技術政策動向, 제3권 제5호, 1993.
- 8) Bianchi, P. and Bellini, N., "Public policies for local networks of innovation", *Research Policy*, vol. 20, 1991.
- 9) Carlsson B. and Jacobsson S., "Technological systems and economic policy: the diffusion of factory automation in Sweden", *Research Policy*, vol. 23, 1994.
- 10) DeBresson, C. and Amesse, F., "Networks of innovators: a review and introduction to the issue", *Research Policy*, vol. 20, 1991.
- 11) Dosi, G., Pavitt, K. and Soete L., *The Economics of Technical Change and International Trade*, London: Harvester Wheatsheaf, 1990.
- 12) Freeman, C., *The Economics of Industrial Innovation*, London: Frances Pinter, 1982.

- 13) Freeman, C., "Networks of innovators: a synthesis of research issues", *Research Policy*, vol. 20, 1991.
- 14) Freeman, C., *Unemployment and Technical Innovation: A Study of Long Waves and Economic Development*, London: Frances Printer, 1982.
- 15) Lee Jinjo, Bae Zongtae and Choi Dongkyu, "Technology development processes: a model for a developing country with a global perspective", *R&D Management*, vol. 18, no. 3, 1988.
- 16) Lee KongRae, *The Role of User Firms in Industrial Innovation -the Case of Machine Tools in Japan and Korea*, Ph. D. Dissertation, University of Sussex, 1993.
- 17) Lundvall, B., *National systems of Innovation -Towards a Theory of Innovation and Interactive Learning*, London: Pinter Pub., 1992.
- 18) Nelson, R.(ed.), *National Innovation Systems Supporting -A Comparative Analysis*, Oxford: Oxford University Press, 1993.
- 19) OECD, *Technology and the Economy - the Key Relationships*, 1992
- 20) Pavitt, K. "International patterns of technological accumulation", in Hood N. and Jan-Erik Vahlne(eds), *Strategies in Global Competition*, London: Croom Helm, 1988.
- 21) Rosenberg, N., "Technological innovation and national competitiveness: lessons from the experience of industrialized countries", mimeo, Science and Technology Policy Institute (STEP), 1993.
- 22) Saviotti, P., "Systems theory and technological change", *Futures*, December, 1986.
- 23) Smith, H. L., Dickson, K. and Smith, S. L., "There are two sides to everybody: innovation and collaboration within networks of large and small firms", *Research Policy*, vol. 20, 1991.
- 24) Teubal, M., Yinnon, T and Zuscovitch, E., "Networks and market creation", *Research Policy*, vol. 20, 1991.

