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differentiated according to their technological nation innovations studied were divided into radical and the development processes underlying radical vestudy was provided by the literature on different The components of the innovation process in for Innovation-specific factors were related to the osubsidies in the innovation process. Firm- and set the firm and the environment in which the innovation the starting point for the analysis was a unique of basic information on some 1600 Finnish innovation some 800 innovations. The analysis was firm-level information were linked to the survey	ature, which was measured by the ad incremental and into complex are ersus incremental or complex verse to innovation theories. cus can be divided into innovation origin of the innovation, collaborate ector-specific factors in turn consideration was developed. innovation database collected by the ovations commercialised in Finlance is based on a subgroup of this survey data.	ion during the development work and the role of public sted of the knowledge base of the innovating firm, the size of the VTT Group for Technology Studies. The database consists d mainly during the 1980s and 1990s and more detailed survey by data, consisting of 768 innovations. Patent data and
The results indicate the importance of scientific and technological knowledge in developing radical or complex innovations. The importance of		

scientific breakthroughs and new technologies as well as collaboration with universities and research centres was pronounced in the case of radical or complex innovations. On the other hand, innovations originating mainly from competitive pressure were more likely to be incremental. The role of public subsidies in research and development work was highlighted in the development of radical or complex innovations. The results also suggest that the environment in which innovations are developed has an effect on the type of innovative activity. Technological opportunities differ among sectors, which is reflected especially in the complexity of innovation. Favourable demand conditions in turn enhance the development of complex innovations, while at the same time allowing room for incremental innovations through more extensive product differentiation.

Avainsanat-Nyckelord-Keywords innovation radicalness complexity development process

probit model

Muita tietoja-Övriga uppgifter-Additional information

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