

Title	社会インフラ業界組織における未来知識共創マネジメントの研究
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# Abstract

The companies in the social infrastructure industry, including general contractors and EPC contractors, have attempts to expand their business domain by integrating social infrastructure with services, as well as conducting the conventional construction business. The purpose of this study is to clarify how the industrial organization, consisting of the companies in the social infrastructure industry, continuously envision the future and co-create new knowledge as a methodology of future-oriented knowledge cocreation management, in creating business opportunities in the new business domain by capturing the changes in the technological or social trends.

The industry organization on the social infrastructure, which is subject under this study, has developed Knowledge Co-creation Roadmapping, featuring (i) Sharing thought, (ii) Acquiring knowledge, (iii) Co-creating visions, and (iv) Documenting visions, in order to collaboratively discuss various possible goals for the future social infrastructure industry. In this study, Knowledge Co-creation Roadmapping has been evaluated in Study 1, and the antecedents to proceed with the next cycle of the roadmapping have been extracted in Study 2 through the three cycles of roadmapping in the industry organization.

As a result, it has been evaluated in Study 1 that this method is effective in acquiring foresight while organizationally co-creating new knowledge. It has been found in Study 2 that the process of motivation, in which reflection on the results of the past roadmapping, temporal changes in the subject of the past roadmapping, and new social/technological trends and emerged terminologies are considered as antecedents, and is caused to induce the new cycle of roadmapping.

Among the studies on the business planning and product/service development, there were not enough studies on knowledge co-creation to create the business opportunities in the new business area and its continuous management process in the past. It has been found in this study that we can proactively realize future-oriented management continuously by changing the person's motivation.

## Keywords

Social Infrastructure, Industry Organization, Organizational Knowledge Co-Creation, Roadmapping, Motivation