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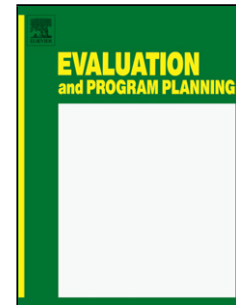
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## **Development of an evaluation framework for publicly funded R&D projects: The case of Korea's Next Generation Network**

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- This research suggests a practical model to evaluate the performance of large-scale and publicly funded projects
- The model consists of the standard matrix framework of indices that evaluates industrial ecosystem and economic and technological outcomes
- As a case analysis, this model evaluates the performance of the Korea's Next Generation Network project

### **Abstract**

For decades, efforts have been made globally to measure the performance of large-scale public projects and to develop a framework to perform such measurements due to the complexity and dynamics of R&D and stakeholder interests. Still, limitations such as the use of a simply modified model and the lack of a comprehensive viewpoint are prevalent in existing approaches. In light of these research gaps, this study suggests a practical model to evaluate the performance of large-scale and publicly funded projects. The proposed model suggests a standard matrix framework of indices that evaluates the performance of particular elements in an industrial ecosystem in vertical categories and the economic and technological outcomes of those elements in horizontal categories. Based on the application of a balanced scorecard, this study uses mixed methodologies such as social network analysis, inter-industry analysis, and the analytic hierarchy process. Finally, the model evaluates the performance of Korea's Next Generation Network project as a case study.

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