

MULTI-DIMENTION METHOD FOR SYSTEMIC PROJECTS EVALUATIONS

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Abstract:

Despite the increasing number of research articles addressing complication and complexity of systemic projects or programs aiming the knowledge transfer, their nonlinear dynamics, self-organization and coevolutive character, still make them very difficult to be efficiently managed and proper evaluated. This article discusses the effects of the standard evaluations method over the management of multiactor systemic projects, advocating the necessity of a dynamic, causal relationship method for ex-durante evaluations. Arguments in supporting the systemic complexity of knowledge and innovation projects for education are presented after a short introduction. The article continues with a short analysis of the possible impact of systemic projects outcomes on the knowledge-based strategies for value creation. Based on the system dynamics method, a case study is presented then, to indicate the major factors found as influencing the evolution of a multiactor, systemic project. A multi-dimension system dynamic (MSD) method for ex-durante evaluation is proposed, to better evaluate the systemic complexity of knowledge transfer projects. A comparison between the time-budget-results evaluation method and the MSD method is presented at the end of the article. Thus became apparent that MSD can produce an increasing of the efficiency and the can reduce the implementation risks of the systemic projects.

Keywords: systemic complexity; management efficiency; causal relationship; project evaluation