

PM World Today Viewpoints Article

## Some Necessary Directions for Project Management Research

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International research efforts for project management should address the following topics, in my opinion. These are important subjects, from our perspective in Russia, and where more robust models and cases should be developed.

1. Development of complex systems approaches and expansion of the discipline of program, portfolio, and project management (PPPM), including creation of new formal complex systems (focused on computer), models and methodologies, focusing for practical use.
2. Classification and categorization of projects and elements of PPPM with definition of specificity of methods and technologies for management of basic kinds (categories) of projects.
3. Creation of new and further development of existing types of network models, and creation of software and methodical tools for PPPM on the basis of hierarchical systems of network models.
4. Creation of more methods and control facilities (planning and the control) for activity of the project team and designing of new organizational project structures (various PPPM offices).
5. Development of methods and control facilities for managing uncertainty and risks in PPPM activity.
6. Management of changes in the projects which are carried out in the dynamic environment, on the basis of computer technologies.
7. Development of methods and control facilities for contracts and deliveries for projects which are carried out in the dynamic environment, including on the basis of computer technologies.
8. Development of methods and control facilities for PPPM activity on the part of the basic participants (Stakeholders). Definitions of specific competencies for project managers who carry out projects in the interests of different participants.

9. Integration of PPPM with engineering, operation of hi-tech products and information technologies during life cycle of a product.

I hope these ideas are useful. More PM research is needed everywhere actually. We also need more journals for publishing research, probably online since all researchers cannot attend so many conferences each year. We are also seeking more PM research papers for our International PM Journal in Russian language.



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