1305: Effect of Researcher's Attitude on Project Outcome

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NEDO: Funding Agency under the Ministry of Economy, Trade and Industry

Missions: "Innovation Accelerator"

Addressing energy and global environmental problems
Enhancing industrial technology

NEDO New Energy and Industrial Technology **Development Organization**

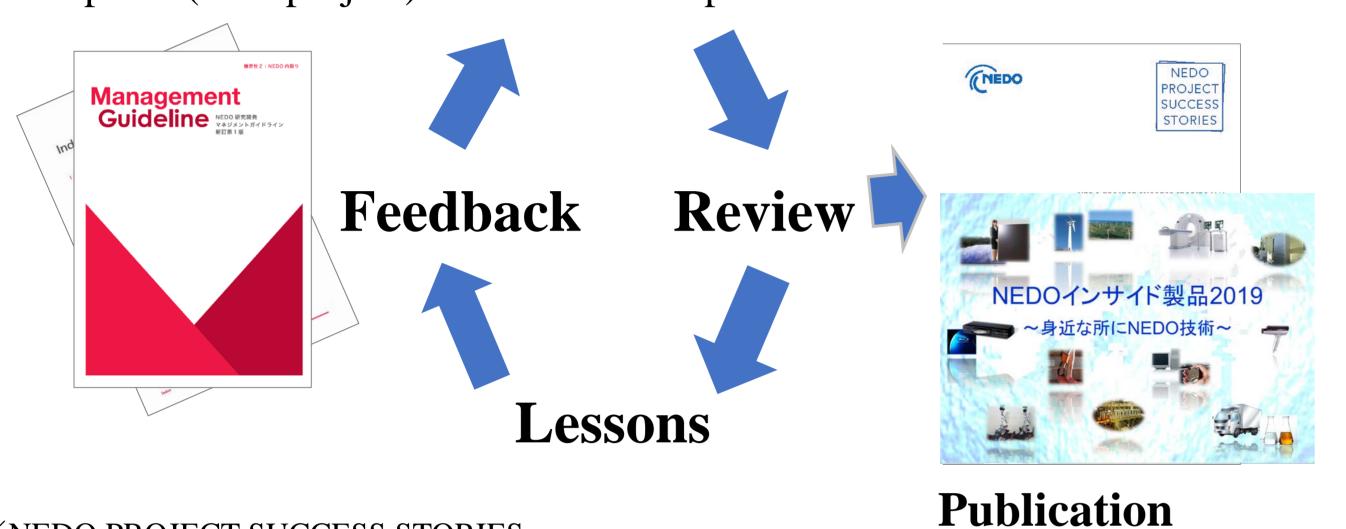
Overview of the Follow-up Survey

Objective: To monitor the post-project activities of the project participants and gain feedback to improve NEDO's R&D management.

NEDO Project 5 Years

Follow-up Survey **6 Years**

Budgets (million\$): Mdn=16.4 No. of targets: Ave=537 companies / year Participants (Unit project): Mdn=5.0 Response rate: Ave=99%



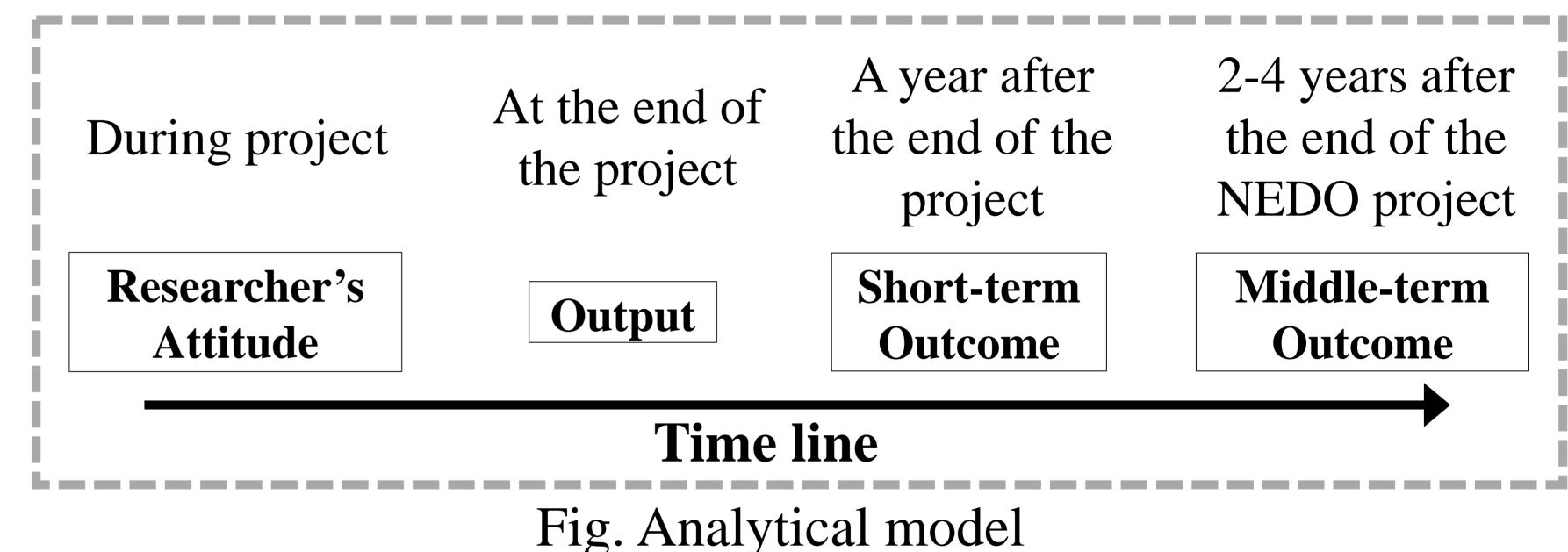
****NEDO PROJECT SUCCESS STORIES:** https://www.nedo.go.jp/library/pamphlets/ZZ_pamphlets_00002.html

of the outcomes (%)

This Study's Objective

In order to know the effects of expecting collaboration with other organizations, analyze the following items from the results of follow-up monitoring.

- 1) The attitude of project participants belonging to private companies toward NEDO project.
- 2) The effect of participant's attitude on the project.



Researcher's Attitude

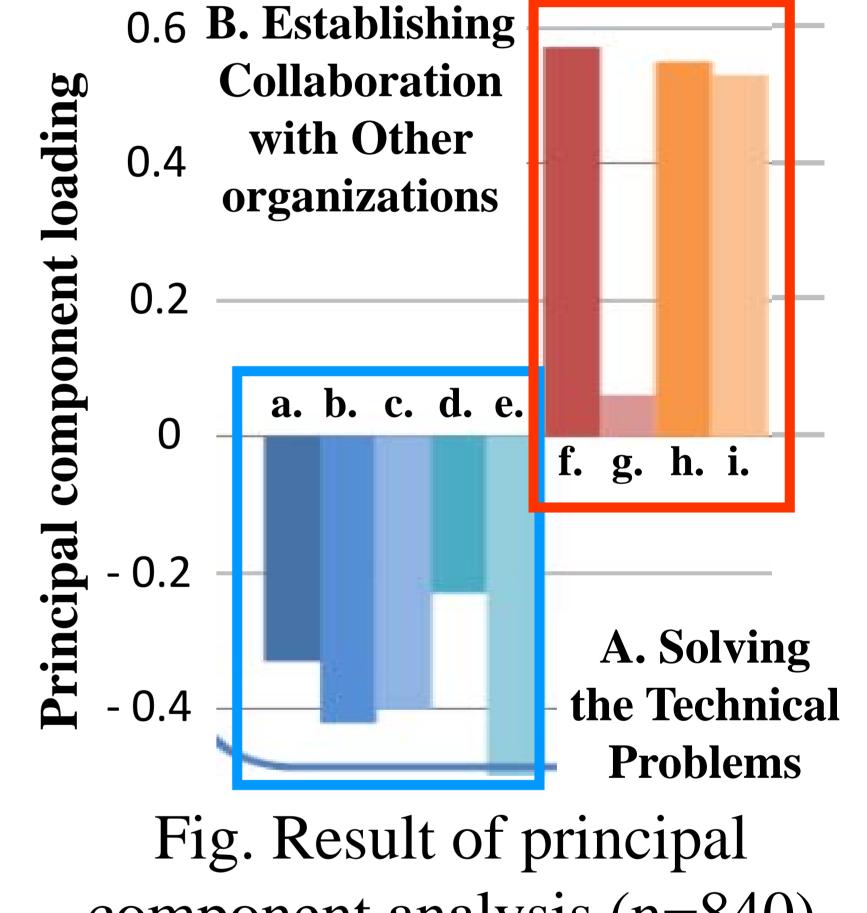
Result of analyzing participant's expectation, project participants are divided into two groups, one group (A. Solving the Technical Problems) prefers to solve technical problems rather than establishing collaboration with other organizations that participate in the same NEDO project, the other group (B. Establishing Collaboration with Other organizations) likes the opposite.

< How much are your expectations for the following items when participating in the NEDO project? >

Select expectations for each item

"Very High, High, Middle, Low, Very Low"

- a. Speed up of technology and product development
- **b.** Overcoming technical issues
- c. Overcoming cost issues
- d. Reduction of R&D risk
- e. Securing R&D funds
- f. Synergy effects through collaboration with other organizations
- g. Human resource development for researchers
- h. Formation of networks with other organizations
- i. Acquisition of technology through joint research with other organizations



component analysis (n=840)

Effect of Researcher's Attitude on Project Outcome

Result of statistical analyzing the relationship between researcher's attitude, output and short-term outcome, "A. Solving the Technical Problems" had the positive effects on short-term outcome. However, "B. Establishing Collaboration with Other organizations" had no positive effects on short-term outcome.

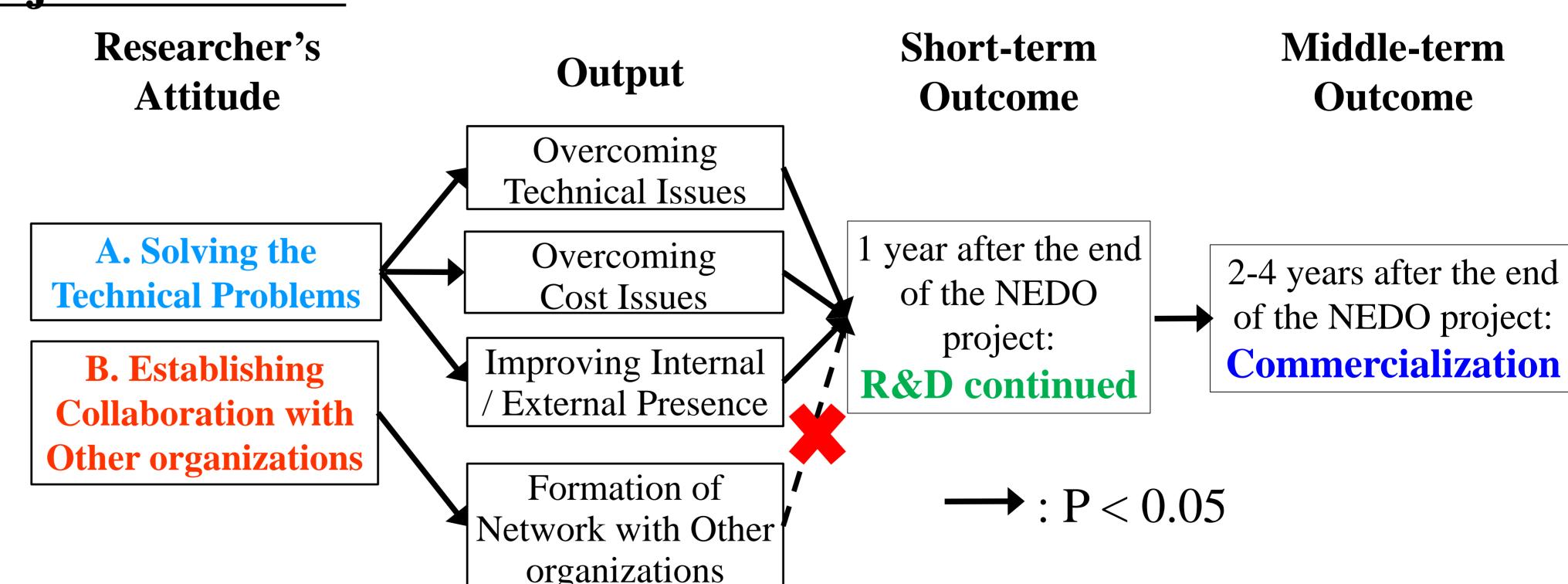


Fig. Effect of Researcher's Attitude on Project Outcome



- How does collaboration with others in project affect R&D outcome?
- · How to measure collaboration with others.

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