

1735: Are the factors affecting outcomes different for each technology area?

Motoshi Kunugi<sup>1</sup> // kunugimts@nedo.go.jp // Yoshihiko Sunaga<sup>1</sup> // sunagaysh@nedo.go.jp // Shin Uesaka<sup>1</sup> // uesakasin@nedo.go.jp // Itaru Umeda<sup>1</sup> // umedaitr@nedo.go.jp //

1: New Energy and Industrial Technology Development Organization (NEDO), Evaluation Department, Kanagawa, JAPAN.



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

Missions: “Innovation Accelerator”

- Addressing energy and global environmental problems
- Enhancing industrial technology

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.



This Study’s Objective

In order to know the effects of energy/environment and other industrial technology for the achievement of outcomes after project and the discontinuing R&D activities just after completing the project, analyze the following items from the results of follow-up monitoring.

- 1) The status change of project result.
- 2) The discontinued factor of R&D activities.

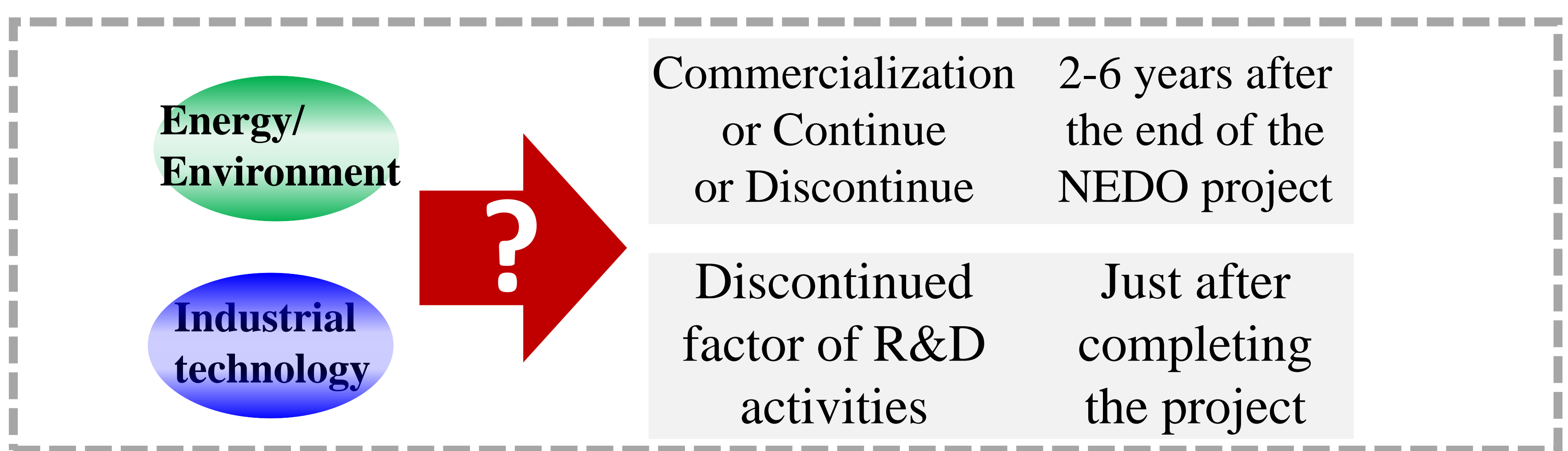


Fig. Analytical model

1)Result of status change

\*Target project: The NEDO projects completed in FY2001 - FY2010  
Target organization : Companies

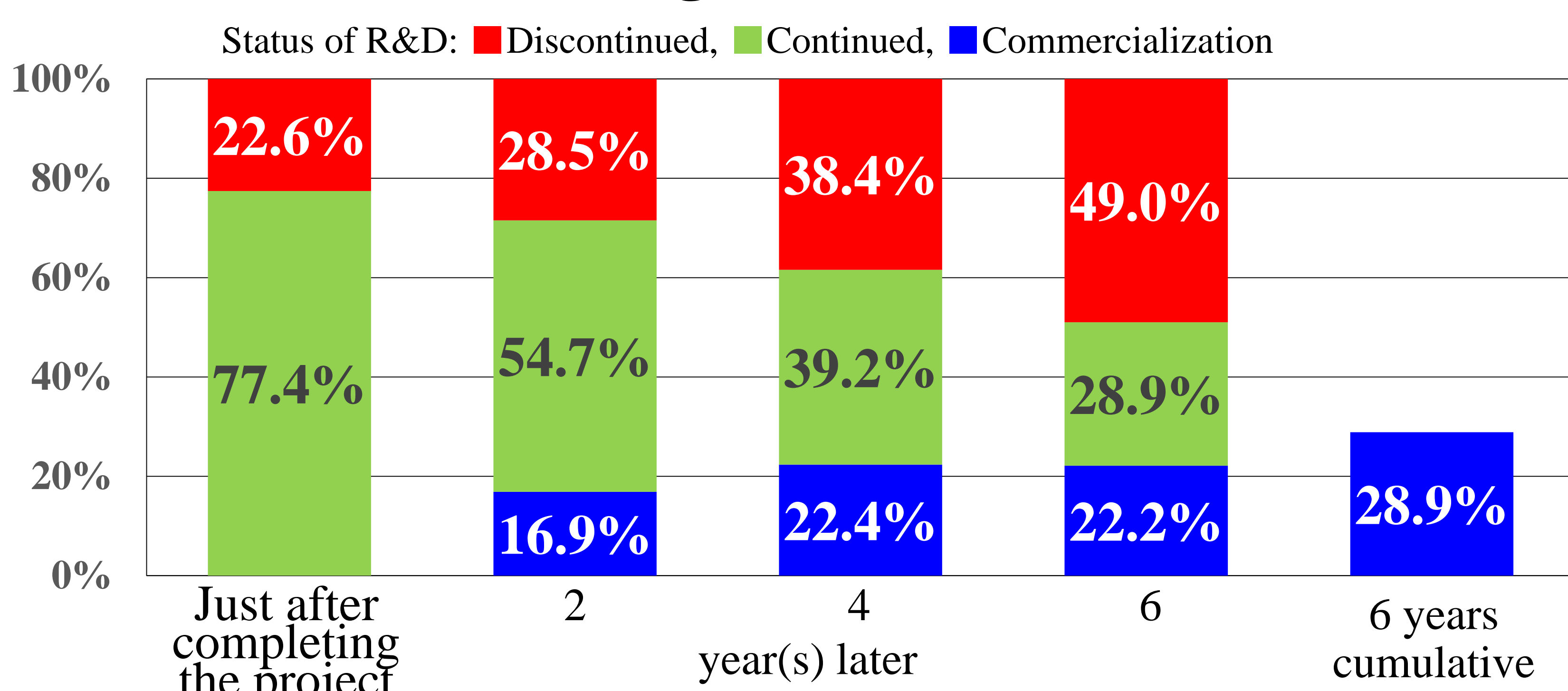


Fig. Status change in post-project activities of project participants in Energy/Environment (n=492\*)

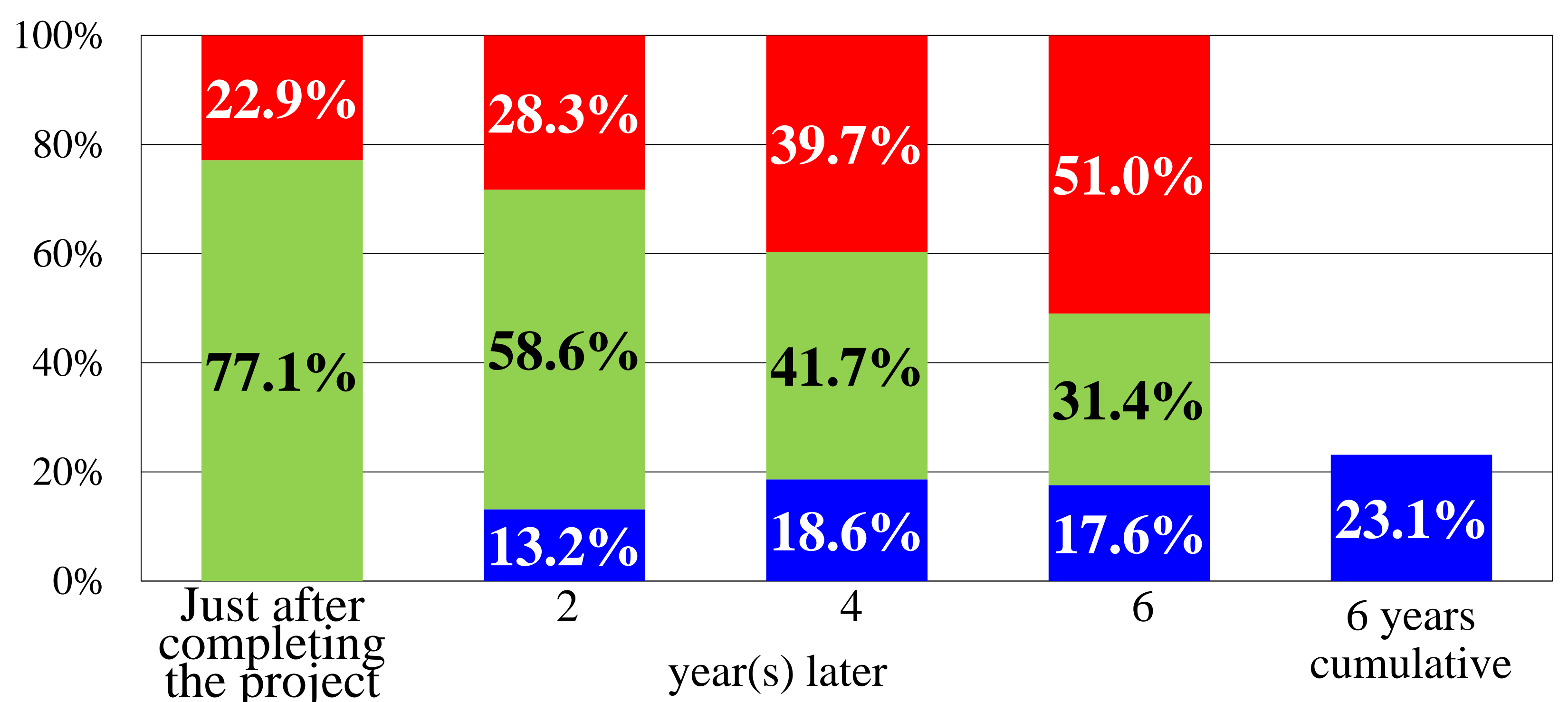


Fig. Status change in post-project activities of project participants in Industrial Technology (n=1,132\*)

There is no difference in the status change of R&D activities for 6 years depending on the technical field.

The sum of commercialization rate in Energy/Environment is larger than in Industrial technology.

2) Discontinued factor of R&D activities

Depending on technical field, the discontinued factor differed. In energy/environment projects, solving the cost problem was more important, and in other industrial technology projects, it was more important to gain the understanding of managers.

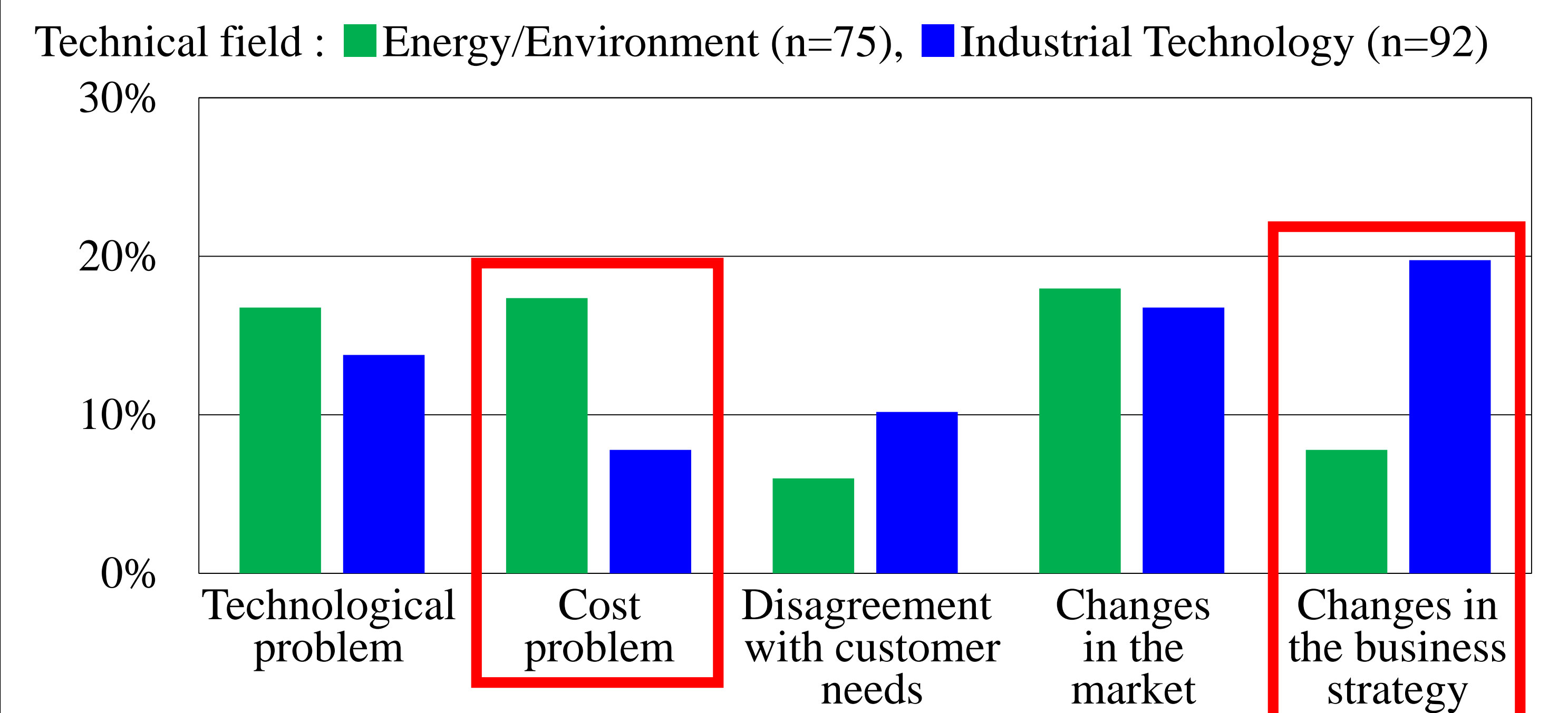


Fig. Failure factor of R&D activities

Scope for Discussion

- Difference in speed of R & D between Energy/Environment and Industrial Technology.
- Energy/Environment and Industrial Technology have difference purposes for R & D.

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[Reference]  
[1] Motoshi Kunugi, Toshiyuki Isshiki, Shumpei Miyajima, Shin Uesaka, "Quantitative and qualitative analysis for R&D process toward crossing the Darwinian Sea", Evaluation2018, (2018)