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Japan Science and Technology Agency (JST)
5-3, Yonbancho, Chiyoda-ku, Tokyo

JST announces three additional Project Managers selected for the Moonshot goal 10 of the Moonshot Research and Development Program

The Japan Science and Technology Agency (JST) has announced the Project Managers (PMs) selected for the Moonshot Goal 10 handled by JST under the Moonshot Research and Development Program.

The program pursues challenging R&D concepts set by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in order to solve issues facing our future society such as super-aging populations and global warming. Each of the Moonshot Goals has a Program Director (PD), under which PMs formulate an R&D scenario, design a project, and plan and manage the organization of R&D to achieve their respective Moonshot Goals. Open calls were held, and applications were reviewed by PDs in cooperation with external experts.

A total of 47 applications for Moonshot Goal 10 newly added to the program in December 2023 were received, after which document and interview screening was conducted to make a final selection of three PMs.

Under the direction of their PD, selected PMs will refine their plans to achieve their Moonshot Goal so that the R&D will be more effective and efficient. Once they have received PD approval, each PM can begin their R&D project.

For details, please refer to the website below.
https://www.jst.go.jp/moonshot/en/index.html

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Contact

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Appendix 1

Number of applications and selected PMs

Moonshot Goal title	Application	Selected
Moonshot Goal 10 Realization of a dynamic society in harmony with the global environment and free from resource constraints, through diverse applications of fusion energy, by 2050. (PD: YOSHIDA Zensho)	47	3

Appendix 2

Selected PMs and projects

Moonshot Goal 10: Realization of a dynamic society in harmony with the global environment and free from resource constraints, through diverse applications of fusion energy, by 2050.

Project Manager	Affiliation	Project Title
OKUNO Hiroki	Group Director, Nuclear Transmutation Technology Group, Nishina Center for Accelerator-Based Science, RIKEN	Development of High Intensity Neutron Source and Ultra-High Temperature Plasma Heating System by Innovative Acceleration Technology
KISS Takanobu	Director, Research Institute of Superconductor Science and Systems, Kyushu University	Fundamental Superconducting Technology to Realize Various Innovative Fusion Reactor Concepts
HOSHI Takeo	Professor, National Institute for Fusion Science, National Institutes of Natural Sciences	Backcasting Digital Systems by Super Dimensional State Engineering

※The titles of the projects are subject to change after refinement.

Appendix 3

Evaluating experts

Moonshot Goal 10: Realization of a dynamic society in harmony with the global environment and free from resource constraints, through diverse applications of fusion energy, by 2050.

(Honorifics omitted; affiliations and positions are correct as of the end of the selection process)

	Name	Affiliation
Program Director (PD)	YOSHIDA Zensho	Director General, National Institute for Fusion Science, National Institutes of Natural Sciences
External Experts	ANDO Akira	Specially Appointed Professor, Advanced Graduate School, Tohoku University
	UEDA Yoshio	Professor, Otemon Gakuin University
	KASHIWAGI Mieko	Senior Researcher, Naka Institute for Fusion Science and Technology, National Institute for Quantum Science and Technology
	KONDO Hiroko	Representative of Matrix K,LLC
	TSUNETA Saku	Director, Astronomy Research Center, Chiba Institute of Technology
	HATTORI Kenichi	Representative of Helicity X
	MORII Takashi	Professor, Department of Health and Nutrition, Kyoto Koka Women's University
	YAMAZAKI Yasunori	Senior Visiting Scientist, RIKEN
	YAMADA Hiroshi	Professor, Graduate School of Frontier Sciences, The University of Tokyo
	YAMADA Michio	Project Professor, RIMS, Kyoto University

Reference

Viewpoints in Selection

Our selection was based on the following viewpoints and made in a comprehensive manner.

① Nature as a PM

- ○ To have a wide human network of relevant researchers within and outside of Japan and to possess specialized knowledge.
- ○ To have the ability for management to construct an optimum R&D institution and review the organization proactively, depending on the status of the progress (including those in relation to the management and usage of research data) and to have leadership ability.

② R&D projects proposed by PM

- ○ The target and/or the contents of the project proposed by the PM (referred to as "proposal contents" from here) must be based on a bolder idea than conventional ones and be a challenging one and must be an innovative one with which a strong impact is expected in the future industry and/or society.
- ○ The proposal contents must be able to clearly explain the adequate scenario (the hypothesis of the success) from the viewpoint of social implementation including the viewpoint of technology and the assignments of the roles to governmental bodies and private sectors for the achievement of the goal in 2050.
- ○ The proposal contents must entail collecting the knowledge of research and developments and ideas at a high level, regardless of their geographical location within or outside of Japan.