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

## **JST announces 3 additional Project Managers selected for two goals of the Moonshot Research and Development Program**

The Japan Science and Technology Agency (JST) has announced the Project Managers (PMs) selected for the two Moonshot Goals 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.

R&D for Moonshot Goals 8 and 9 started in FY2022, but in order to achieve each Moonshot Goal, additional R&D projects have now been added.

Open calls were held for each Moonshot Goal, and applications were reviewed by PDs in cooperation with external experts. A total of 31 applications were received, after which document and interview screening was conducted to make a final selection of 3 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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## Number of applications and selected PMs

Moonshot Goal	Application	Selected
Moonshot Goal 8 Realization of a society safe from the threat of extreme winds and rains by controlling and modifying the weather by 2050. (PD: MIYOSHI Takemasa)	6	1
Moonshot Goal 9 Realization of a mentally healthy and dynamic society by increasing peace of mind and vitality by 2050. (PD: KUMAGAI Seiji)	25	2
Total	31	3

## Selected PMs and projects

**Moonslot Goal 8: Realization of a society safe from the threat of extreme winds and rains by controlling and modifying the weather by 2050.**

Project Manager	Affiliation	Project Title
KOTSUKI Shunji	Professor, Institute for Advanced Academic Research, Chiba University	Artificial generation of upstream maritime heavy rains to govern intense-rain-induced disasters over land

**Moonslot Goal 9: Realization of a mentally healthy and dynamic society by increasing peace of mind and vitality by 2050.**

Project Manager	Affiliation	Project Title
SHINODA Hiroyuki	Professor, Graduate School of Frontier Sciences, The University of Tokyo	A haptic partner that supports children's minds
HISHIMOTO Akitoyo	Professor, Graduate School of Medicine, Kobe University	Realization of a society where child abuse and suicide are zero

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

## Evaluating experts

**Moonshot Goal 8: Realization of a society safe from the threat of extreme winds and rains by controlling and modifying the weather by 2050.**

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

	Name	Affiliation
Program Director (PD)	MIYOSHI Takemasa	Team Leader, Center for Computational Science, Data Assimilation Research Team, RIKEN
External Experts	IMURA Jun-ichi	Executive Vice President for Education/Professor, Department of Systems and Control Engineering, School of Engineering, Tokyo Institute of Technology
	USHIO Toshimitsu	Professor, Department of Mechanical Engineering and System Control, Nanzan University
	USHIO Tomoo	Professor, Graduate School of Engineering, Osaka University
	OHARA Miho	Professor, Center for Integrated Disaster Information Research, Interfaculty Initiative in Information Studies, The University of Tokyo
	SAITO Kazuo	Laboratory Head, Research Promotion Department, Japan Meteorological Business Support Center
	SAKAJO Takashi	Professor, Graduate School of Science, Kyoto University
	SHINEHA Ryuma	Associate Professor, Research Center on Ethical, Legal, and Social Issues, Osaka University
	SHIMIZU Shingo	Chief Researcher, Storm, Flood and Landslide Research Division, National Research Institute for Earth Science and Disaster Resilience
	SUITO Hiroshi	Professor, Advanced Institute for Materials Research, Tohoku University
	TAKAHASHI Nobuhiro	Professor, Institute for Space-Earth Environmental Research, Nagoya University

NAKAZAWA Tetsuo	Academic Supporting Staff, Atmosphere and Ocean Research Institute, The University of Tokyo
NIINO Hiroshi	Professor Emeritus/Project Researcher, Atmosphere and Ocean Research Institute, The University of Tokyo
YASUDA Tamaki	Counselor for Research and Development, Administration Department, Japan Meteorological Agency
YAMADA Michio	Project Professor, Research Institute for Mathematical Sciences, Kyoto University
YODEN Shigeo	Vice Director/Program-Specific Professor, Institute for Liberal Arts and Sciences, Kyoto University

**Moonshot Goal 9: Realization of a mentally healthy and dynamic society by increasing peace of mind and vitality by 2050.**

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

	Name	Affiliation
Program Director (PD)	KUMAGAI Seiji	Associate Professor, Institute for the Future of Human Society, Kyoto University
External Experts	INOKUCHI Kaoru	Distinguished Professor, Department of Biochemistry, Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama
	ENDO Kaoru	Professor Emeritus, Gakushuin University
	OSAKA Naoyuki	Professor Emeritus, Kyoto University
	SAKURAI Takeshi	Professor, Faculty of Medicine, University of Tsukuba
	DOYA Kenji	Professor, Neural Computation Unit, Okinawa Institute of Science and Technology
	NAGATA Tomoya	Managing Partner, D3 LLC
	NISHIDA Shin'ya	Professor, Graduate School of Informatics, Kyoto University
	HAYASHI-TAKAGI Akiko	Team Leader, Center for Brain Science, RIKEN
	HORI Koichi	Executive Director, National Institutes for the Humanities
	MIURA Asako	Professor, Graduate School of Human Sciences, Osaka University
	MURAI Toshiya	Professor, Graduate School of Medicine, Kyoto University
MORITA Akira	Professor Emeritus, The University of Tokyo	
YOKOSAWA Kazuhiko	Professor, Economics and Informatics Department, Tsukuba Gakuin University	

## Viewpoints in Selection

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

### (Moonshot Goal 8 Project Manager Application: Core Research)

#### 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.

### (Moonshot Goal 9 Project Manager Application: Feasibility Study)

#### 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 that R&D results aimed to be

achieved at the end of the proposed project can solve main issues or bottlenecks to achieve the whole MS goal.

- 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.