

# Strategic Basic Research Programs

## ALCA-Next

### Application Guidelines for 2026

#### Application Period

Tuesday, March 10, 2026 - Thursday, May 7, 2026 at 12:00

Note: This translation is provided as a reference material. If there is any discrepancy between this translated version and the original Japanese version, the original Japanese version prevails.



Department of R&D for Future Creation  
March 2026

## <Outline of the Call for Proposals>

### (1) Schedule for the Call for Proposals and Selection

The schedule for Call for proposals and Selection for FY2026 is as follows.

Start of call for proposals	Tuesday, March 10, 2026
Application deadline (Deadline for acceptance by e-Rad)	<b>Thursday, May 7, 2026 Noon (Japan Standard Time)</b>
Document screening period	Mid-May to mid-June
Interview screening period	Early July
Notification and announcement of selected proposals	Late August to early September
Start of R&D projects	After early September

\*1 All information is tentative, except for the start of the call for R&D proposals and the deadline for receipt of proposals. These may be subject to change in the future.

\*2 Please check ALCA-Next's open call website for the latest information on how to apply.

\*3 The open call briefing sessions will be recorded and streamed. Details will also be provided on the open call page. In case of questions, please contact us by email.

\*4 The specific date and time of the interview will be specified by JST.

\*5 The schedule for the interview selection process and the date of e-mail notification to those selected for interviews will be announced on the open call website as soon as details are confirmed.

ALCA-Next's open call website: <https://www.jst.go.jp/alca/koubo/2026/index.html>

### (2) How to Apply

Please download the necessary documents for application, including the R&D proposal form, from the Open call website.

Applications must be submitted via e-Rad (<https://www.e-rad.go.jp/>) (see "[Chapter 5: Submission via Cross-Ministerial R&D Management System \(e-Rad\)](#)"). Please allow sufficient time to complete the application process, as the e-Rad system may become busy near the deadline, slowing down

page transitions, preventing proposal uploads, causing errors that return to the top page, and potentially preventing completion of the application by the deadline. **Proposals that have not been submitted via e-Rad by the call deadline will not be considered for any reason. Proposals submitted after the deadline will not be accepted for replacement.** Please note that if a major system failure occurs on e-Rad during the application period making it difficult to submit R&D proposals through e-Rad, countermeasures may be posted on the open call website.

Please make sure the description of e-Rad and the proposal text regarding the institution/position (in case of discrepancy, the statement in the proposal text will be treated as correct) coincide with each other. In addition, please note that proposals uploaded to e-Rad will be rejected if there are any deficiencies that make it difficult to review. "Deficiencies that make it difficult to review" refers to errors in the proposal format, omissions from each of the proposal forms (especially Form 1: Basic information), and serious omissions of items in the proposal. When garbled text that makes review difficult is found, JST may contact the applicant to confirm the contents of the garbled text.

**JST will not be responsible for any defects in the proposal that occur before the call deadline, regardless of whether the proposal is accepted or rejected.** Therefore, please be advised that JST will not make any corrections to proposals or request corrections from proposers after prior confirmation of such corrections by the call deadline.

Please refer to the open call website and "Chapter 5: Submission via Cross-Ministerial R&D Management System (e-Rad)" for application method.

### (3) Target Technology Areas of the Call for Proposals

The technology areas subject to the open call are as follows:

Technology Areas
<b>Resource Circulation</b> (Program Officer: WATANABE Masayoshi)
<b>Green Biotechnology</b> (Program Officer: EZURA Hiroshi)
<b>Semiconductors</b> (Program Officer: KURODA Tadahiro)

### (4) Main Changes in the Call for Research Proposals in FY2026

In light of the discussions at the emergency symposium held in March 2024, JST has reviewed the rationalization and simplification of proposal documents in its research and development programs. As a result, for R&D programs proposed by individual researchers, JST has established standardized "evaluation items" and will principally use the corresponding "evaluation criteria" and "proposal formats."

For ALCA-Next, the evaluation criteria and research proposal formats will be modified according to the following evaluation items.

Evaluation Criteria: "Purpose and Objectives," "Originality and Superiority," "Goals and Plans," "Implementation Structure," "Execution Capability" For details, please refer to "Section 2.9 Notes on Selection."

※<https://www.jst.go.jp/all/event/2023/20240123.html>

## (5) Points to Keep in Mind when Applying

Please refer to the open call website and "[Chapter 4: Key Points for Application](#)" for details.

# Table of Contents

<b>Chapter 1 Call for R&amp;D Proposals .....</b>	<b>8</b>
1.1 About ALCA-Next.....	8
1.1.1 Overview.....	8
1.1.2 Management Structure .....	9
1.1.3 Structure and Characteristics of ALCA-Next.....	10
1.1.4 Key Points when Applying to ALCA-Next .....	13
1.2 Researchers considering application and participation.....	15
1.2.1 Contributing to achieving the Sustainable Development Goals.....	15
1.2.2 Promoting diversity .....	16
1.2.3 Aiming for fair research activities .....	18
<b>Chapter 2: Call for Proposals and Selection .....</b>	<b>19</b>
2.1 Technology Areas of the Call for Proposals.....	19
2.2 Application period and selection schedule .....	19
2.3 Research and Development Period .....	20
2.4 Research and Development Costs .....	20
2.5 Number of Proposals to be Adopted .....	21
2.6 Application Requirements .....	21
2.6.1 Requirements for Applicants.....	21
2.6.2 R&D Project Structure Requirements.....	22
2.6.3 R&D Organization Requirements .....	25
2.7 Restrictions on Duplicate Applications .....	25
2.8 Selection Process.....	27
2.8.1 Selection Process.....	27
2.8.2 Special Measures for Adoption.....	27
2.8.3 Conflict of Interest Management .....	28
2.8.4 Conducting of Interviews and Notification of Selection Results.....	31
2.9 Notes on Selection.....	32
<b>Chapter 3: Promotion of Research and Development after Adoption, etc. ....</b>	<b>34</b>

3.1 Development of R&D Plans .....	34
3.2 Contract Research Agreements .....	34
3.3 Contract R&D Costs .....	35
3.3.1 Research and Development Costs (Direct Costs).....	35
3.3.2 Indirect Costs .....	36
3.3.3 Multi-Year Contracts and Carryover Systems .....	37
3.4 Evaluation .....	37
3.5 Responsibilities of the Principal Investigator and Co-Principal Investigator, etc. ....	39
3.5.1 Notes on R&D Promotion .....	39
3.5.2 Responsibilities Regarding R&D Results, etc. ....	42
3.6 Responsibilities of R&D Institutes, etc. ....	43
3.7 Other Points to Note .....	48
3.7.1 Maternity, Childcare, and Nursing Care Support Systems.....	48
3.7.2 Use of JREC-IN Portal .....	48

**Chapter 4: Key Points for Application ..... 50**

4.1 Regarding the Use of Generative AI.....	50
4.2 Enrolling in and Completing a Research Ethics Education Program .....	50
4.3 Measures Against Unreasonable Duplication and Excessive Concentration.....	52
4.4 Ensuring Research Integrity and Research Security against New Risks associated with Internationalization and Openness of Research Activities .....	56
4.5 Security export control (measures against overseas technology leaks) .....	58
4.6 Strict Adherence to United Nations Security Council Resolution No. 2321 .....	61
4.7 Carryover .....	62
4.8 Table of Cross-ministerial Cost Categorization.....	62
4.9 Diversion of Costs among Items .....	63
4.10 Securing the Research Period until the End of the Fiscal Year.....	64
4.11 Indirect Costs .....	64
4.12 Promoting the Joint Use of Research Facilities and Equipment .....	65
4.13 Improving the Treatment of Doctoral Students .....	67
4.14 Ensuring a Self-Sustaining, Stable Research Environment for Young Researchers .....	69
4.15 Promotion of Research That Addresses Gender Equality, Human Resource Development,	

Gender etc.....	70
4.16 Voluntary Research Activities of Young Researchers Employed to Implement the Project ..	71
4.17 Supporting Diverse Career Paths for Young Researchers .....	72
4.18 Securing R&D management personnel such as URA.....	72
4.19 Promotion of dialogue and collaboration with public stakeholders.....	73
4.20 Promotion of Open Science .....	74
4.21 Inclusion of systematic numbers in paper acknowledgments.....	78
4.22 Data Disclosure in the Life Sciences .....	78
4.23 National BioResource Project.....	79
4.24 Accreditation of Partnership on Research Assistance Service .....	79
4.25 Reformation of competitive research funds .....	80
4.26 Guidelines for the Management and Audit of Public Research Funds in Research Institutions (Practice Standards) .....	80
4.27 Dealing with Misuse and Improper Payments .....	82
4.28 Measures for Researchers whose Applications and Eligibility are Restricted under Other Competitive Research Funding Programs .....	85
4.29 Measures to be Taken in Case of Violation of Related Laws and Regulations .....	86
4.30 Guidelines for Responding to Misconduct in Research .....	86
4.31 Duty to complete education on research ethics and compliance .....	91
4.32 Handling of information on projects and other items on e-Rad.....	91
4.33 Provision of information from e-Rad to Cabinet Office .....	92
4.34 Registration of researcher information on researchmap.....	92
4.35 Patent applications by JST .....	93
4.36 Patent application non-disclosure system .....	93
<b>Chapter 5: Submission via Cross-Ministerial R&amp;D Management System (e-Rad) ....</b>	<b>95</b>
5.1 Cross-Ministerial R&D Management System (e-Rad) .....	95
5.2 Application method using e-Rad .....	95
5.3 Others .....	98

# Chapter 1 Call for R&D Proposals

## 1.1 About ALCA-Next

### 1.1.1 Overview

As countries around the world accelerate their efforts to achieve carbon neutrality, investments related to Green Transformation (GX) are expanding rapidly, and in order to realize GX, it is essential to achieve carbon neutrality by 2050, as well as to strengthen industrial competitiveness, economic growth, and development. In order to achieve future greenhouse gas (GHG) reduction targets and create future industries, it is necessary not only to introduce existing technologies but also to create new technologies. In order to continuously create such technologies, support for R&D and human resource development in academia is required in parallel with verification and technological development in industry, and social implementation through genuine collaboration between companies and academia. In response to the demand, the Japan Science and Technology Agency (JST) is promoting the "Advanced Technologies for Carbon Neutrality (ALCA-Next<sup>1</sup>)" (hereafter referred to as the "Program"), as one of the JST Strategic Basic Research Programs, and the "Green Technologies for Excellence (GteX) Program<sup>2</sup>".

This Program aims to draw on unconventional ideas from individual researchers to create game-changing technologies that will significantly shift the scientific and technological paradigm toward realizing carbon neutrality. Specifically, this Program promotes comprehensive R&D, beginning from the stage of basic R&D targeting elemental science and technology that will lead to the creation of new principles, concepts, and breakthroughs, to the stage where the technological seeds created are developed and expanded in order to determine whether the R&D results can be put to practical use by the end of the R&D period.

The Program will be managed with features such as "starting small," "selection and concentration through stage-gate evaluation," and "acceleration after stage-gate evaluation" to achieve this purpose. In the stage-gate evaluation, the continuation or discontinuation of R&D is strictly evaluated not only from the viewpoint of development in science, but also from the viewpoint of "the potential

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<sup>1</sup> ALCA-Next is a project launched in FY 2023 that is based on knowledge gained through support for fundamental research under the Advanced Low Carbon Technology Research and Development Program (ALCA), which began in FY 2010 in anticipation of global trends.

<sup>2</sup> GteX is a project that aims to create innovative GX technologies designed with the final systems for societal implementation in mind by building a top-down collaborative framework among leading researchers across fields and organizations throughout Japan. See the program website for details: <https://www.jst.go.jp/gtex/>

of contributing to carbon neutrality," which is the purpose of this Program.

In addition, the Program will actively collaborate with related institutions and related projects to maximize results. In particular, the Program Director (PD), who oversees this Program, will also serve as the PD of GteX, and through active collaboration that leverages the characteristics of each program, we aim to accelerate R&D toward early practical implementation.

This program falls under a competitive research funding system.

### 1.1.2 Management Structure

The overall operation of this program will be overseen by a PD appointed by JST, who will carry out the comprehensive management of R&D from a bird's-eye view of the entire program. Following advice from the Innovative GX Technology Promotion Committee, the PD will make decisions on key matters of program management, including formulating and reviewing the program plan, coordinating cross-domain issues, including budgets, selecting projects in each domain, and determining whether R&D projects should continue or be discontinued on the basis of stage-gate evaluations. The committee is chaired by the PD and consists of outside experts.

A Program Officer ("PO") manages one or several technology area(s) of his responsibility, including individual R&D projects. With the cooperation of external experts such as advisors ("AD") who have specialized knowledge, the PO selects candidate proposals for adoption, manages research progress through site visits and other means, provides instructions to each team, and conducts stage-gate evaluations. Based on evaluation results, the PO may increase or decrease the R&D budget, integrate projects, or terminate (cancel) a project before the end of the project period.

The PD of this program will also serve as the PD of GteX, aiming to maximize results through active collaboration.

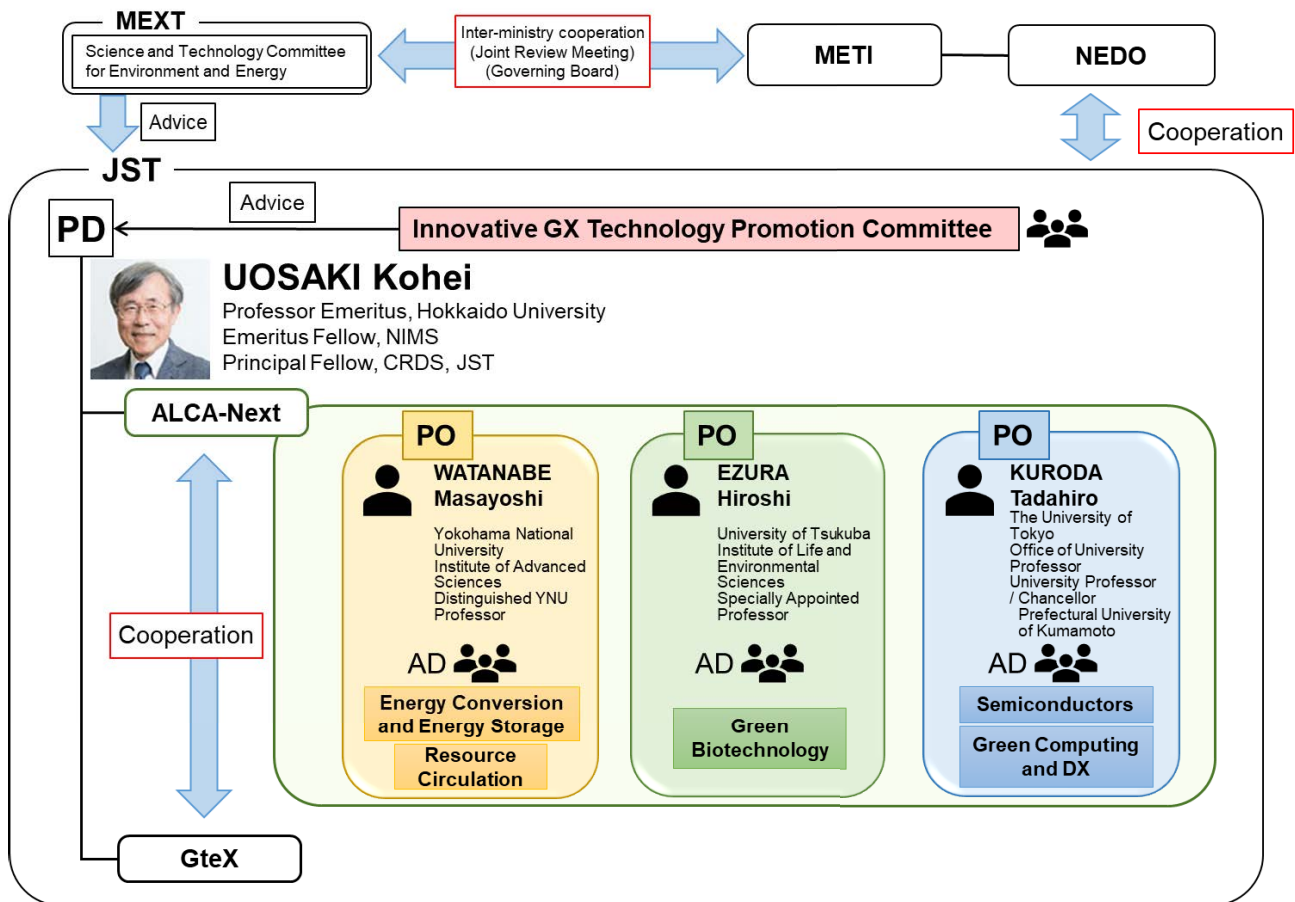


Figure : Management Structure for this Program

### 1.1.3 Structure and Characteristics of ALCA-Next

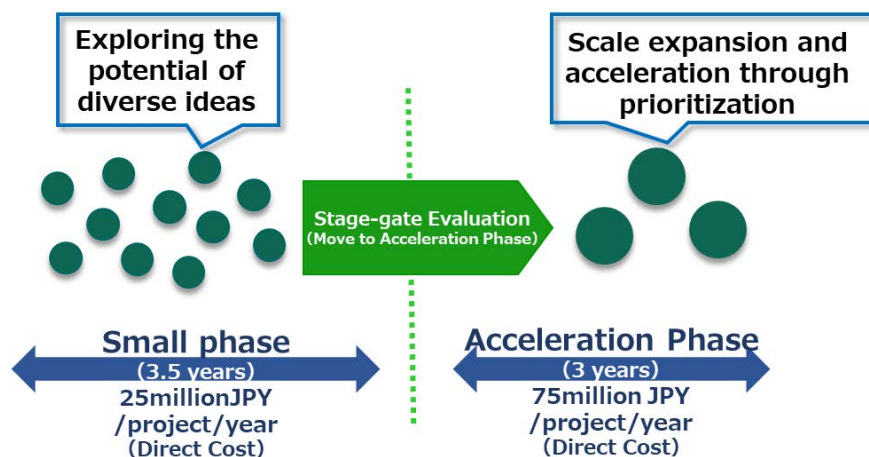
In applying for the Program and promoting R&D after being selected, you are required to take the following program design and characteristics into consideration.

#### (1) Wide Range of Research Fields Eligible for Support

- The Program widely supports new ideas based on the free thinking of individual researchers toward the realization of carbon neutrality.
- Support will be provided for five technology areas that have many scientifically unexplored aspects and where Japanese academia is expected to make significant future contributions: "Energy Conversion and Energy Storage," "Resource Circulation," "Green Biotechnology," "Semiconductors," and "Green Computing and DX."

#### (2) Selection and Concentration through Stage-Gate Evaluation

- R&D will be conducted in stages, beginning at a small phase in which a large number of relatively small-cost proposals are adopted ("starting small") to an acceleration phase in which those proposals are narrowed down and concentrated investment is made.
- In the small phase, innovative and challenging proposals are actively adopted, and R&D is conducted to determine the feasibility of the ideas.
- In principle, stage gate assessments will be conducted in the fourth year of the research to determine whether the transition from the Small Phase to the Acceleration Phase is feasible. Projects will be rigorously evaluated from a scientific perspective based on their potential contribution to carbon neutrality and the program's core objectives. The selection process is expected to narrow down the number of projects to approximately one-third of the total. In the stage-gate evaluation, not only simple narrowing down, but also reorganization through integration of multiple projects may be considered depending on the situation. Please be sure to refer to "[3.4 Evaluation](#)" for more information on stage-gate evaluation.
- R&D projects that pass the stage-gate evaluation will advance to the acceleration phase. In the Acceleration Phase, R&D activities will be expanded by strengthening the research framework and accelerating progress toward evaluating the practical applicability of the research results.
- In principle, Principal Investigators are expected to continue through the entire seven-year period until the end of the acceleration phase.



### (3) Management and R&D Promotion by PO

- Under the detailed management of PO and others, Principal Investigators affiliated with universities, companies, and public R&D institutions conduct R&D in this Program.

- The PO's policy on the management and promotion of R&D and other details are described in Chapter 6 of the Application Guidelines (Appendix) (<https://www.jst.go.jp/alca/koubou/2026/index.html>).
- Based on the preliminary evaluation and through coordination with the PO and others, the R&D Principal Investigator will set R&D goals and milestones at the time of adoption, and conduct R&D aimed at achieving these goals. During R&D, the PI may flexibly revise the R&D plan and optimize the implementation system (including the introduction of a new team) after approval of the R&D plan by the PO.
- PO and other relevant staff conduct regular monitoring and evaluation of R&D. The R&D plan will be revised if achieving goals is deemed difficult. The R&D budget may be increased if acceleration of R&D is needed for early practical implementation. Such flexible measures will be taken as necessary.

#### (4) Collaboration with GteX and Initiatives toward Maximizing Results

- GteX aims not only to achieve results in basic research, but also to improve the technological readiness level (TRL) for social implementation by establishing an integrated all-Japan "team-type" collaboration system of top-level researchers from universities and other institutions in the priority fields defined by a top-down decision. In contrast, this Program will create game-changing technology seeds based on the unconventional ideas of individual researchers (bottom-up), which will significantly change the paradigm of science and technology in a wide range of fields.
- A single PD oversees the operations of both this Program and GteX. Active collaboration between the programs will be pursued, such as in the examples below, utilizing the unique characteristics of each program. This aims to accelerate R&D for maximizing outcomes and achieving early practical implementation.
  - Collaborative works will be made in data sharing, international collaboration, and young researcher development. A system exists for researchers in this Program to utilize research equipment maintained and available at GteX, promoting shared equipment use. For details on this system, please refer to the following URL: <https://www.jst.go.jp/gtex/field/pf.html>

- When PD, PO and others determine that results from adopted projects in this Program would be effective as elemental technologies for GteX team-based research, arrangements may be made for participation in GteX-adopted projects.
- When proposals are submitted to this Program, if GteX POs and others determine that parts or all of the proposal would be effective for GteX, arrangements may be made for participation in GteX-adopted projects. JST will contact the applicants to discuss such arrangements.

#### (5) Research and development system

The PI may organize one optimal R&D team consisting of several researchers.

- a. In addition to the "Principal Investigator's Group" led by him/herself, the PI may establish a group ("Collaborative Research Group") consisting of researchers belonging to other laboratories within the same institution or other R&D institutions, if necessary for the realization of the R&D concept. R&D proposals by individual researchers are also accepted.
- b. If a joint research group is to be established, designate a representative of the group among the researchers participating in the group as the " Co-Principal Investigator."
- c. Depending on the necessity for promoting R&D, researchers, research assistants, etc. may be hired to participate in the R&D project in line with rules regarding R&D costs (within the scope of the R&D agreement of the R&D institution).

Please refer to "2.6 Application Requirements" for the requirements for the R&D system.

#### 1.1.4 Key Points when Applying to ALCA-Next

##### (1) Research Phases Targeted by ALCA-Next

ALCA-Next is a program that consistently promotes R&D from fundamental research, targeting elemental science and technology that generates new principles, concepts, or breakthroughs to the stage of developing and expanding the created technology seeds and assessing the practical applicability of R&D outcomes.

Principal Investigators are expected, in principle, to continue their R&D for seven years. Additionally, Principal Investigators who can continue working on R&D based on the results of this program after the acceleration phase are preferred.

## (2) Sharing of Selection Information with GteX POs

As described in Section "1.1.2 Management Structure" and Section "1.1.3 Structure and Characteristics of ALCA-Next (4)", ALCA-Next and GteX will be operated as an integrated system to maximize outcomes and accelerate R&D toward early practical implementation through collaboration.

Selection information, including R&D proposals submitted to this program, will be shared within necessary scope with GteX POs in relevant fields. These POs will also participate as observers in both document screening and interview selection processes. Please note this in advance.

GteX POs from relevant fields may also participate in site visits and stage-gate evaluations after project adoption. They may review R&D progress including R&D plans and outcomes. Please note this in advance.

## (3) Active participation and development of young researchers

In order to foster human resources who will be major players in research activities in 2050, the target year to achieve carbon neutrality, there is a strong need to develop researchers, engineers, including PhD holders, who are expected to lead Japan's future industry and academia in the targeted technology areas of the Program. It is also necessary to raise the awareness of graduate and undergraduate students who are expected to become researchers and engineers in the future. For this reason, we actively encourage young researchers to assume key positions in carrying out R&D, and to participate in discussions on the direction of R&D. We also encourage the participation of master's and doctoral students in R&D projects under the Program. For details, see "3.5 Responsibilities of the Principal Investigator and Co-Principal Investigator, etc.," "4.13 Improving the Treatment of Doctoral Students," "4.14 Ensuring a Self-sustaining, Stable Research Environment for Young Researchers," "4.15 Promotion of Research That Addresses Gender Equality, Human Resource Development, Gender etc.," "4.16 Voluntary Research Activities of Young Researchers Employed to Implement the Project, etc. and "4.17 Supporting Various Career Paths for Young Researchers."

## 1.2 Researchers considering application and participation

### 1.2.1 Contributing to achieving the Sustainable Development Goals

#### **JST is contributing to the achievement of the Sustainable Development Goals!**

At the United Nations Sustainable Development Summit held in September 2015, the outcome statement, “**Transforming Our World: The 2030 Agenda for Sustainable Development**,” which has the Sustainable Development Goals (SDGs) at its core, was unanimously adopted as a new, more comprehensive global action goal for people, the planet, and prosperity. The 17 goals of the SDGs indicate the various sustainability issues facing humanity and call for solving these issues in an integrated and inclusive manner. It is expected that science, technology, and innovation will provide the scientific evidence necessary to resolve these social issues and suggest better policy decisions. These roles are consistent with the new responsibilities of science, “science in and for society,” which were set out in the “Declaration on Science and the Use of Scientific Knowledge and the Science Agenda” (Budapest Declaration\*) adopted by the International Scientific Council in 1999. As a core institution promoting Japan’s science and technology policy, JST promotes cutting-edge basic research and engages in problem-solving research and development (R&D) that responds to the needs of society. The SDGs are universal goals that can encompass JST’s mission, and we would like to co-create them with industry, academia, and the public and private sectors through JST programs, working together with researchers to achieve a sustainable society.

President, Japan Science and Technology Agency

\*The Budapest Declaration specifies “Science for knowledge,” “Science for peace,” “Science for development,” and “Science in society and science for society” as the responsibilities, challenges, and obligations for science in the 21st century.



### 1.2.2 Promoting diversity

#### **JST promotes diversity!**

Diversity is an essential component for the promotion of scientific and technological innovations. New perspectives on science and technology can be created through collaboration and discussion with various stakeholders with different specialties and values, regardless of age, gender, or nationality. JST is promoting diversity in all its activities in science and technology to engage in issues facing our future society, strengthen our country’s competitive power, and enrich the spiritual happiness of our people. The United Nations SDGs also include many targets deeply involved with topics of diversity, including gender equality, and we are contributing toward resolving issues in Japan

and worldwide.

Currently, activities by women are viewed as the “largest potential of Japan” and are positioned at the core of the growth strategy of the Japanese government. Expanding the participation of women in R&D is also important, and female researchers are indispensable as diverse human resources that support scientific and technological innovation. JST expects female researchers to apply actively. To improve the environment to allow researchers to return to work, JST is constantly improving the existing “Childbirth, childcare, and long-term care support system” by listening to the opinions of researchers who use this system.

The call for and review of new research proposals will also be conducted from a diversity perspective.

We cordially invite all researchers to respond to the call for research proposals.

President, Japan Science and Technology Agency

### **We are waiting for your application**

JST promotes diversity based on the idea that diversity is about understanding people who think differently from you and integrating your ideas with theirs to create new value. This leads to solving domestic issues and issues common to the world. We will address global social issues such as the SDGs by promoting diversity in cooperation with international institutions.

Diversity at JST is for women and young and non-Japanese researchers. To ensure that each researcher can fully demonstrate their abilities, we will continue to provide support for childbirth, childcare, and long-term care and strive to maintain a balanced staffing structure for committees and other activities. We aim to create an environment where several people can work hard together. In particular, we welcome applications from female researchers, from whom we have received few applications in the past, and we will work to create new value.

Japan Science and Technology Agency

### 1.2.3 Aiming for fair research activities

#### **Aiming for fair research activities**

Recent incidents involving misconduct and dishonesty in research activities have resulted in an alarming situation that threatens the relationship of trust between science and society and hinders the healthy development of scientific technologies. There must be a function of autonomous self-purification in the scientific community to prevent misconduct in research activities. Each researcher must be disciplined and work to create new knowledge and inventions useful for a society based on high moral standards that meet society's expectations.

As a funding agency for research, JST considers research misconduct a serious issue and makes every effort to prevent it in cooperation with relevant organizations to regain public trust.

- 1 . JST believes that fairness in research activities is extremely important for Japan, which seeks to develop itself through science and technology.
- 2 . JST supports honest and responsible research activities.
- 3 . JST strictly condemns any misconduct in research activities.
- 4 . JST will promote education in research ethics and reform its research funding system in cooperation with relevant organizations to prevent misconduct.

We must develop a healthy scientific culture based on social trust to build a society filled with hopes and dreams for a bright future. Therefore, we request the continued understanding and cooperation of the research community and related institutions.

President, Japan Science and Technology Agency

## Chapter 2: Call for Proposals and Selection

### 2.1 Technology Areas of the Call for Proposals

Based on the Green Growth Strategy, which outlines industrial policies and action plans for 14 industrial sectors with growth potential to achieve carbon neutrality by 2050, this program has identified the five technology areas with many scientifically unexplored areas where Japanese academia can make a significant contribution in the future. For details on the five technology areas, please refer to the ALCA-Next website (<https://www.jst.go.jp/alca/index.html>).

For details on the specific technology areas targeted for FY 2026, please refer to Chapter 6 of the Application Guidelines Appendix (<https://www.jst.go.jp/alca/koubo/2026/index.html>). The technology areas will be reviewed as necessary based on future revisions of the Green Growth Strategy, industry trends, R&D trends, and other factors.

Technology areas of the call for proposals
<b>Resource Circulation</b> (Program Officer: WATANABE Masayoshi)
<b>Green Biotechnology</b> (Program Officer: EZURA Hiroshi)
<b>Semiconductors</b> (Program Officer: KURODA Tadahiro)

### 2.2 Application period and selection schedule

Start of call for proposals	Tuesday, March 10, 2026
Application deadline (Deadline for acceptance by e-Rad)	<b>Thursday, May 7, 2026</b> <b>Noon (Japan Standard Time)</b>
Document screening period	Mid-May to mid-June
Interview screening period	Early July

Notification and announcement of selected proposals	Late August to early September
Start of R&D projects	After early September

- \* All information and dates after the application deadline are subject to change.
- \* Please refer to the open call website for the latest information on this call for proposals.
- \* The specific date and time of the interview will be specified by JST.
- \* The schedule for the interview selection process and the date of e-mail notification to those selected for interviews will be announced on the open call website as soon as details are confirmed.

ALCA-Next's open call website: <https://www.jst.go.jp/alca/koubo/2026/index.html>

### 2.3 Research and Development Period

In principle, the R&D period for this project is 3.5 years for the small phase and 3 years for the acceleration phase. Please read Chapter 6 of the Application Guidelines (Appendix) and prepare a 7-year R&D plan (<https://www.jst.go.jp/alca/koubo/2026/index.html>).

- \* Rigorous stage-gate evaluation is performed prior to the acceleration phase. Be sure to refer to "[3.4 Evaluation](#)."

### 2.4 Research and Development Costs

The R&D applicant may set the total budget of the proposing R&D project to the following maximums:

Small phase (from 1st to 4th year): up to 25 million JPY/year (direct costs)

Acceleration phase (from 5th to 7th year): up to 75 million JPY/year (direct costs)

- \* During the selection process, the appropriateness of the established R&D budget plan will be assessed.
- \* Actual R&D budgets will be determined by scrutiny and approval of the R&D plan.
- \* Based on R&D progress and other factors, separate adjustments may be made during the R&D period (for details, please refer to "[3.1 Development of R&D Plans](#)").
- \* JST will pay direct costs for R&D and indirect costs (up to 30% of the amount of direct costs)

to the R&D organization as the total R&D costs based on the R&D agreement.

## **2.5 Number of Proposals to be Adopted**

About 6 projects will be adopted.

- \* This number will vary depending on the status of the R&D proposal application and the budget.
- \* Adoption of projects is not guaranteed for all categories indicated in Chapter 6.

## **2.6 Application Requirements**

Application requirements are listed in 2.6.1 through 2.6.3 below. Please note that failure to meet the application requirements will be handled as described below.

- If it is found that a proposal does not meet the application requirements by the time of selection, the R&D proposal will, in principle, be rejected or not adopted.
- The application requirements must be maintained throughout the entire R&D period after adoption. If the requirements are not met during the R&D period due to any changes, the entire R&D proposal or part of it will, in principle, be cancelled ( terminated ) early.

In addition to 2.6.1 through 2.6.3 below, please be sure to understand the information in "2.7 Restrictions on Duplicate Applications" and "Chapter 4: Key Points for Application " before submitting your application.

### **2.6.1 Requirements for Applicants**

- a. The R&D applicant, who will be the Principal Investigator (PI) of R&D, must belong to a domestic R&D organization and conduct R&D at the R&D organization (regardless of the nationality of the applicant).
  - \* The following persons are also eligible as R&D applicants:
    - Foreign researchers affiliated with Japanese R&D institutions.
    - Researchers who are not currently affiliated with specific R&D institutions or who are affiliated with overseas R&D institutions, and who, if selected as a Principal Investigator, will be able to establish a system to conduct R&D affiliated with a Japanese R&D institution (regardless of nationality).

\* Persons belonging to R&D institutions other than universities, such as private companies, are also eligible.

b. The researcher must be capable of taking full responsibility for the entire R&D team throughout the R&D period as a project leader.

(For details, please refer to "3.5 Responsibilities of the Principal Investigator and Co-Principal Investigator, etc.".)

c. A researcher who has completed a research ethics education program at your home institution, or have completed an educational program designated by JST by the application deadline.

(For details, please refer to "4.2 Enrolling in and Completing a Research Ethics Education Program".).

d. Be able to pledge the following four points (Please confirm this on the e-Rad Application Information Input Screen.) :

- The applicant shall understand and comply with the contents of "Guideline on Responses to Misconduct in Research Activities (decided by the Minister of Education, Culture, Sports, Science and Technology on August 26, 2014)."
- The applicant shall understand and comply with the contents of the "Guidelines for the Management and Audit of Public Research Funds at Research Institutes (Code of Practice) (revised on February 1, 2021)."
- If the R&D proposal is adopted, the R&D participant (including the Principal Investigator, the Co-Principal Investigator, researchers, research assistants, etc.) shall not engage in any misconduct in R&D activities (fabrication, falsification, or plagiarism) or misuse of R&D funds.
- No misconduct in research activities has been committed in past research as described in this R&D proposal.
- To ensure research security, risk management should be implemented according to the "Procedures to Ensure Research Security."

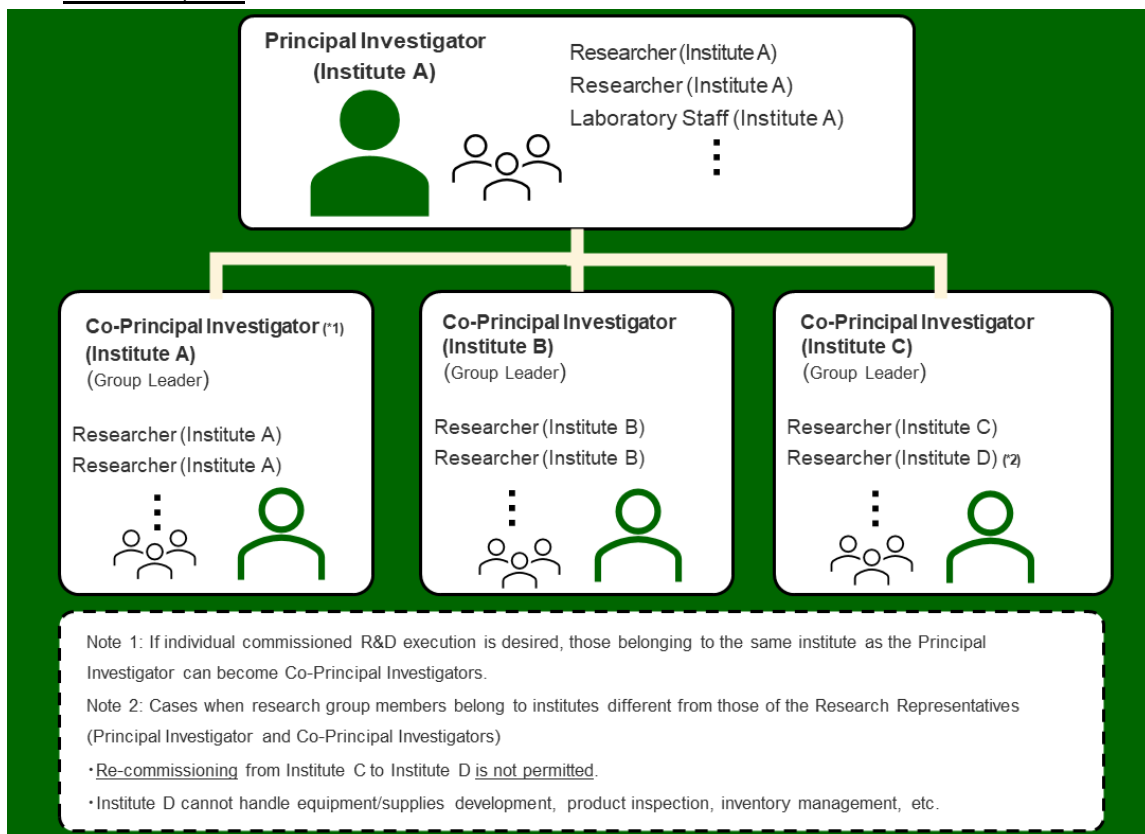
\* Please confirm on the e-Rad application information entry screen.

## 2.6.2 R&D Project Structure Requirements

a. The R&D team should be optimally structured to realize the R&D concept of the applicant who will be the Principal Investigator.

b. If a joint research group is assigned to the R&D team, the group must be indispensable for the realization of the R&D concept and must be able to make a significant contribution toward achieving the research objectives.

\* When establishing a joint R&D group, designate a representative from participating researchers as Co-Principal Investigator. The R&D group can be composed either only of researchers from the same institute as the Research Representatives (Principal Investigator and Co-Principal Investigators), or can include researchers from other institutes. Obtain necessary consent agreements to ensure compliance with contract terms including intellectual property rights. Reallocation of funds from one institute to another (for example, from Institute C to Institute D) is not permitted. To execute R&D funds at another institute (Institute D), that institute must directly conclude a research agreement with JST through its Co-Principal Investigator. Please refer to Section “3.6 Responsibilities of R&D Institutes, etc.”



\* In principle, JST will not provide R&D funds to researchers affiliated with overseas R&D institutes. Therefore, researchers from overseas institutes generally cannot serve as Co-

Principal Investigators.

As an exception, when the participation of Co-Principal Investigators affiliated with overseas research institutions is deemed essential to realize the R&D concept, where a research contract can be concluded between the institution and JST based on JST's terms, JST will provide R&D funding to that R&D group. If you wish to form an R&D team that includes overseas research institutions requiring JST funding, please explain why a Co-Principal Investigator affiliated with an overseas institution is necessary in the Research and Development Proposal (Form 5-3: Research Members of the Co-Principal Investigator's Group). Furthermore, the Proposal must include a collaboration plan with the group in case a contract cannot be concluded with the overseas institution expected to receive R&D funds from JST. The PO will evaluate this necessity during document screening based on the provided information.

For research contracts, while it may be possible to make adjustments to the contract provisions for matters deemed reasonable, taking into account the nature of the R&D, the adjustment period shall, in principle, be limited to a maximum of three months from the start of negotiations by JST. Please note that the researcher him/herself may be required to provide explanations, etc. to the person in charge of the contract at the overseas R&D institution.

In addition, the head of the contract department at the overseas research institution must submit a document confirming advance approval of each contract clause by the time of the interview screening, using the form prescribed separately by JST. JST will follow up about these documents during the selection process. The 2026 Edition of the Preliminary Confirmation Form for Overseas Joint Research and Overseas Joint Research Agreements will be posted at the beginning of April.

<https://www.jst.go.jp/alca/form/index.html>

Please also refer to "3.6 Responsibilities of Research Institutes, etc." It is also necessary to be able to identify the intellectual property rights and other results of the entire R&D team, including the overseas R&D group. If a research agreement cannot be concluded within the coordination period and it is difficult to implement the proposed collaboration, the R&D will

not be conducted.

### 2.6.3 R&D Organization Requirements

In conducting research and development, R&D organizations must be fully aware that commissioned research and development funds come from public funds, and must comply with relevant laws and regulations while striving to conduct research and development efficiently. The implementation of research and development by an R&D organization that fails to fulfill the responsibilities listed in "3.6 Responsibilities of R&D Organizations, etc." will not be approved. When applying, please make sure to obtain prior approval from the R&D institution where the R&D will be conducted.

## 2.7 Restrictions on Duplicate Applications

The following restrictions apply to duplicate applications. Even for JST and non-JST programs not mentioned in this section, measures may be taken if unreasonable duplication or excessive concentration is found. See "4.3 Measures against Unreasonable Duplication and Excessive Concentration" for details.

- (1) You may submit only one proposal as Principal Investigator across all technology areas during the application period.
- (2) Those who are currently in positions a to c cannot apply as Principal Investigator.
  - a. Principal Investigator or Co-Principal Investigator of ALCA-Next
    - \* This excludes Principal Investigators and Co-Principal Investigators of FS projects.
  - b. Principal Investigator or Co-Principal Investigator of GteX who serves as Group Leader or who is a group member serving as the contract representative for R&D.
  - c. Principal Investigator or Co-Principal Investigator of the "Low Carbon Society" mission area (Feasibility Study) of the JST-Mirai Program.
- (3) Those who are currently in positions a to c cannot apply as Co-Principal Investigator.
  - a. Principal Investigator of ALCA-Next
    - \* This excludes Principal Investigators of FS projects.
  - b. Principal Investigator or Co-Principal Investigator of GteX who serves as Group Leader or who is a group member serving as the contract representative for R&D.

- c. Principal Investigator of the “Low Carbon Society” mission area (Feasibility Study) of the JST-Mirai Program.
- (4) The following restrictions apply for applications as Co-Principal Investigator.
- a. Multiple applications are not permitted where Principal Investigators and Co-Principal Investigators switch roles. This restriction applies to all technology areas. If R&D teams are partially different or other variations exist, adjustments may still be made when unreasonable duplication or excessive concentration is found.
- b. If a researcher applies as a Principal Investigator or Principal Co-Investigator, and also applies as a Co-Principal Investigator in another R&D proposal, and both proposals are selected, the PO may, at his/her discretion, make arrangements to avoid unreasonable duplication and excessive concentration after considering the research content and scale. Such arrangements include reducing the R&D budget and not allowing the researcher to participate in some of the R&D proposals in which he/she is participating.
- c. If a current Co-Principal Investigator of ALCA-Next or the “Low Carbon Society” mission area (Feasibility Study) of the JST-Mirai Program applies as a new Co-Principal Investigator and is selected as a candidate, adjustments similar to those in b. above may be made.

Table: Eligibility for Application and Participation in ALCA-Next

Position in Proposed R&D Project		ALCA-Next	
		Principal Investigator	Co-Principal Investigator
Position in Current R&D Project			
ALCA-Next	Principal Investigator	x <sup>Note 1</sup>	x <sup>Note 1</sup>
	Co-Principal Investigator	x <sup>Note 1</sup>	○ <sup>Note 2</sup>
GteX	Principal Investigator	x	x
	Co-Principal Investigator	x	x
	Principal Investigator	x	x

"Low-Carbon Society" mission area (Feasibility Study) of the JST-Mirai Program	Co-Principal Investigator	×	○ Note 2
<p>Note 1: Principal Investigators and Co-Principal Investigators of FS projects are eligible to apply.</p> <p>Note 2: If the R&amp;D proposal is selected as a candidate, the R&amp;D content and scale may be examined. Based on this examination, the R&amp;D budget may be reduced, or participation may be limited in some R&amp;D projects.</p>			

## 2.8 Selection Process

Please refer to "(1) Schedule for the Call for Proposals and Selection" at the beginning of this document for the dates involved in the selection process.

### 2.8.1 Selection Process

For each technology area, the PO will conduct document screening and interview selection with cooperation from ADs and other members. The PO may also seek assistance from external experts.

In the document screening process, a preliminary screening may be conducted prior to the document screening based on the contents of the R&D proposal depending on the number of applications received for each technology area. This preliminary selection will be conducted primarily from the perspective of whether the proposal meets the objectives of the technology area (i.e., whether the proposal is expected to contribute to the achievement of the objectives of the technology area). Only those R&D proposals that meet these requirements will be subject to documentary selection. It will not be announced which technical area the preliminary selection will be conducted in.

In addition, other inquiries or surveys may be conducted as necessary during the selection process. If the applicant or Co-Principal Investigator belongs to a commercial organization, the financial statements of the organization may be requested.

Based on the above selection process, JST will select the Principal Investigators and R&D proposals.

### 2.8.2 Special Measures for Adoption

The following arrangements or adjustments may be made by the PD, PO and others during the

selection process and at the time of adoption. Please understand that the following adjustments may be made during the selection process and at the time of acceptance.

- During the selection process, the selection of R&D proposals may be coordinated across the technology areas. As a result, the R&D proposal may be selected and adopted under a different technical area from that to which the applicant has applied. In such cases, the applicant will be notified when it is decided that adjustments will be made.
- Even if a proposal is rejected, if the PO and others deem that a part of the R&D proposal is important for the promotion of the technology area of this project, the PO and others may make arrangements that include incorporating the proposed R&D as a joint research group for another adopted candidate proposal. In such cases, JST will contact the applicant and take the necessary measures.
- When proposals are submitted to this Program, if GteX POs and others determine that parts or all of the proposal would be effective for GteX, arrangements may be made for participation in GteX-adopted projects. JST will contact the applicants to discuss such arrangements.
- At the time of adoption, the PO and others may instruct to reorganize the team or adjust the budget.

### 2.8.3 Conflict of Interest Management

From the viewpoint of fair and transparent evaluation and allocation of research funds, the following conflict of interest management will be implemented in accordance with JST's regulations. Furthermore, evaluators (Program Officers, Area Advisors, External Experts) may not serve as Principal Investigator, Co-Principal Investigator, or other R&D participants on proposals within the relevant technology area.

#### (1) Conflict of interest management for those involved in the selection process

From the perspective of conducting a fair and transparent evaluation, the following interested parties will not be included in the selection process with respect to applicants. Additionally, the following interested parties will not be included in the selection process with respect to Co-Principal Investigators. If you have any concerns regarding those involved in the selection process, please describe them specifically on Form 8 of the R&D Proposal.

- a. A person who has a family relationship with the applicant.
- b. A person who belongs to the same department, major, etc. at a university or other research institution as the applicant; or a person who is considered to be involved in the management of the university or other research institution to which the applicant belongs; a person who is an officer or other person involved in the management of the university or other research institution; or a person who represents such institution externally. The same department, major, etc. here refers to one above the smallest research unit, i.e., a laboratory or research team.
- c. A person who belongs to the same company as the applicant, or who belongs to a company such as the parent company of the company to which the applicant belongs.
- d. A person who collaborates closely with the applicant (e.g. a person who is considered to be a member of substantially the same research group as the applicant, such as a person who carries out joint projects, writes co-authored research papers, is a research member with the same objective, or is a collaborator in the applicant's R&D proposal.)
- e. A person who has a close mentor-student relationship or direct employment relationship with the applicant.
- f. A person who is in direct competition with the R&D proposal of the applicant.
- g. Other parties that JST deems to be in conflict.

## (2) Conflict of Interest Management for Applicants

If an applicant makes an R&D proposal with an "organization related to the applicant" as a joint research group, and research funds are allocated by JST to the "organization related to the applicant," this may constitute a conflict of interest for the applicant. Therefore, the conflict of interest between the applicant and "an institution related to the R&D applicant" will be appropriately judged in consideration of the necessity, rationality, and appropriateness of the relationship, and conflict of interest management will be implemented to prevent any harmful effects caused by the conflict of interest.

The term "organization related to the applicant" refers to a joint research group in the case of any of the following. The terms "a" and "b" refer not only to the applicant him/herself, but also to the spouse

and relatives within the first degree of kinship of the applicant (hereinafter collectively referred to as the "applicant, etc.>").

- a. An institution established based on the R&D results of the R&D applicant, etc. (including cases where the R&D applicant, etc. is not directly involved in management but only holds a title such as technical advisor, etc., or only holds shares)
- b. An institution in which the R&D applicant, etc. is a director (including CTO, but excluding technical advisor)
- c. An institution in which the R&D applicant has holds shares
- d. An institutions from which the R&D applicant receives royalties

Proposals that include "an institution related to the applicant" as a joint research group will be evaluated from the perspective of the necessity, rationality, and appropriateness of the institution concerned.

Therefore, if you wish to include "institutions related to the applicant" as a joint research group, please indicate on Proposal Form 8 that "The organization related to the R&D Principal Investigator" is included in the joint research group.

In addition, in order to conduct conflict of interest management for the applicants, JST may ask the applicant to submit documents apart from the Proposal.

### (3) Conflict of Interest Management at JST

The adoption of the companies in which JST has invested (hereinafter referred to as "funded companies") for this Program and the allocation of research funds to them may constitute a conflict of interest of JST (conflict of interest as an organization). Therefore, conflict of interest management will be implemented in order to avoid any doubt from a third party about the conflict of interest between JST and the funded company.

The PO and others will evaluate the necessity, reasonableness, and appropriateness of adopting the funded company with respect to the R&D proposal whose proposer, etc. is a researcher who belongs to a company funded by JST.

Therefore, if you wish to include a company funded by JST as a participating organization,

please declare that the company is included in the participating organization on Form 8 of the R&D Proposal.

This management is conducted to ensure fairness and transparency according to JST, and being funded by the JST will not disadvantage you in the selection of this program. Please cooperate with JST's conflict of interest management.

- \* Please refer to the following web page for information on JST's portfolio companies. Please note that companies that have terminated their investment are not subject to conflict of interest management, and therefore do not need to report conflicts of interest.

<https://www.jst.go.jp/entre/result.html#M01>

- \* The base date for declaration is the date of the start of the call for proposals of the program. Please report on the companies whose investment from JST has been publicly announced as of the said date. Companies that have already received an investment offer but have not yet made a public announcement are not required to submit a report for confidentiality reasons within JST. Please refer to the following web page for JST's investment announcement.

<https://www.jst.go.jp/entre/news.html>

#### 2.8.4 Conducting of Interviews and Notification of Selection Results

- a. Applicants who are selected for interview selection as a result of the document screening will be notified and informed of the interview selection procedure, schedule, and additional materials to be submitted. At that time, we may request the application materials, R&D plans, etc. for other research funds. In addition, depending on the results of the document screening and surveys, JST or the PO may inform the applicant selected for interview of the items to be addressed or explained during the interview selection process. If the applicant or Co-Principal Investigator belongs to a commercial organization, JST or the PO may request submission of the financial statements of the organization to which he/she belongs.

The schedule for interview selection and the date of e-mail notification to those selected for interviews will be announced on the following open call page as soon as details are confirmed.

<https://www.jst.go.jp/alca/koubo/2026/index.html>

- b. During the interview selection, the applicant will be asked to explain the details of the proposal. In principle, the interview will be conducted in Japanese, but if it is difficult to conduct the interview in Japanese, the interview may be conducted in English.
- c. For R&D proposals that are selected as candidates for adoption, the terms and conditions of the R&D plan, structure, and contract R&D agreement may be adjusted. If the conditions cannot be agreed upon, the proposal will not be adopted.
- d. Applicants that are selected will be notified and informed of the procedures for commencing R&D.
- e. For researchers whose proposals are not selected, we will register the selection results in e-Rad after completing all selection processes. The project status will be shown as "Not Selected" in e-Rad. Please note that JST will not send email notifications about this registration. We will separately send you an email explaining the reasons for non-selection.

## 2.9 Notes on Selection

The selection criteria for this program are as follows. The proposal content must satisfy all requirements.

<b><u>Selection Criteria</u></b>
<p><b><u>1. Goal and Purpose</u></b></p> <p>The creation of technologies is expected to be in alignment with the purpose of this program, the technology area, and so on, as well as being something that can significantly contribute to achieving carbon neutrality.</p>
<p><b><u>2. Originality and Excellence</u></b></p> <p>The proposed technology must not be an extension of existing conventional technology but involve challenging technological content that promises tremendous scientific and technological development and demonstrate originality and superiority based on research and development trends in Japan and overseas.</p>
<p><b><u>3. Objective and Plan</u></b></p>

The objectives of the research proposal to be achieved within the research period and plans (including budget) are well-defined and appropriate for the project.

#### **4. Implementation Structure**

The project organization is best suited to implement the proposed research.

#### **5. Ability to Conduct Research**

The Principal Investigator (and the Co- Principal Investigator) possesses the required experience and ability to effectively carry out the proposed activities.

- \* For more information on the selection perspectives and policies specific for each technical area, please refer to Chapter 6 of the Application Guidelines (Appendix) and to the following website (<https://www.jst.go.jp/alca/koubo/2026/index.html>).
- \* In addition to the criteria above, and "unreasonable duplication" and "excessive concentration" is also considered in the selection process. For details, please refer to "[4.3 Measures against Unreasonable Duplication and Excessive Concentration.](#)"

In addition, based on the purpose of this program, its technology area, and so on, please describe the following items specifically and clearly in Proposal Form 2.

- Technologies to be created through this R&D
- Scenario for carbon neutral contribution  
Please describe a scenario of how the introduction of the relevant technology into society will lead to carbon neutrality, including scientific evidence. Please describe how the proposed technology can contribute to the reduction of greenhouse gas emissions throughout its entire utilization process.
- Technical issues addressed by this research and development process and breakthroughs required for their solutions
- Technical and social obstacles and risks in realizing the overall concept

## **Chapter 3: Promotion of Research and Development after Adoption, etc.**

### **3.1 Development of R&D Plans**

Once a proposal is adopted, the R&D PI prepares an R&D plan (R&D items, implementation plan, R&D costs, R&D system, etc.) for the entire R&D period and for each year. The R&D plan is confirmed and approved by the PO.

In addition, in determining the R&D plan, integration and collaboration among R&D subjects may be coordinated. Furthermore, the R&D budget and R&D system may be revised during the course of the R&D period, depending on the budget situation of the project as a whole.

### **3.2 Contract Research Agreements**

- a. After the R&D proposal is selected, JST will conclude a research agreement with the R&D organization to which the person in charge of the R&D (Principal Investigator and Co-Principal Investigator) belongs.
- b. If a contract research agreement cannot be concluded with an R&D institution, if the institution is unable to establish the necessary systems, etc. for the management and auditing of public research funds, or if its financial situation is extremely unstable, R&D may not be conducted at that institution. For details, please refer to "3.6 Responsibilities of R&D Institutes, etc.".
- c. Intellectual property rights, such as patents, arising from R&D shall, in principle, belong to the R&D Organization, subject to the R&D Organization's compliance with the provisions of Article 17 (Japanese version of the Bayh-Dole Act) of the Industrial Technology Enhancement Act, in accordance with the terms of the research agreement.
- d. A "Joint Research Agreement" will be concluded with overseas institutes in exceptional cases where the PO determines that participation of researchers from these institutes as Co-Principal Investigators is essential to realize the R&D concept. In this case, intellectual property rights will be shared equally with JST, on the condition that the costs required for application, maintenance, etc. are borne equally by both parties. (If these terms and conditions cannot be agreed upon, the intellectual property rights will belong to JST.)

For details on other responsibilities, etc., please refer to "3.6 (2) When the research is conducted by an overseas organization."

### 3.3 Contract R&D Costs

Based on the contract research agreement, JST pays the R&D organization the R&D costs (direct costs) plus indirect costs (up to 30% of direct costs) as contract R&D costs.

#### 3.3.1 Research and Development Costs (Direct Costs)

R&D costs (direct costs) are expenses that are directly necessary for the implementation of the R&D (\*1) and can be used for the following purposes:

- a. Cost of goods: Expenses for the purchase of new equipment (\*2), fixtures, supplies, etc.
- b. Travel: Travel expenses for R&D personnel and R&D participants listed in the R&D plan.
- c. Personnel expenses and honorarium: Salaries and honorarium for R&D participants (excluding(\*3) main joint researchers)
- d. Others: expenses for publication of R&D results (e.g., article submission fees, etc.), equipment leasing expenses, transferring expenses, etc.

\*1 Examples of expenses that cannot be treated as R&D costs (direct costs):

- Costs for items which are inconsistent with R&D objectives
- Costs considered to be more appropriately handled as indirect costs
- Costs that are determined by JST to be unauthorized use at the time of settlement)

JST has established rules and guidelines specific to this program for some items in the research agreement, administrative manuals, and the common ministry/agency expense handling classification table. In addition, the administrative handling may differ between universities, etc. (universities, public R&D institutions, public-interest corporations, etc. recognized by JST) and companies, etc. (R&D institutions other than universities, etc., mainly private companies, etc.). For more details, please refer to the latest administrative processing instructions, etc. at the following URL:

- <https://www.jst.go.jp/contract/index2.html>

\*2 The “6th Science, Technology, and Innovation Basic Plan” (approved by the Cabinet on March 26, 2021) and the “Integrated Innovation Strategy 2025” (approved by the Cabinet on June 6, 2023) require the promotion of the shared use of research facilities, equipment, core facilities, etc. When purchasing new research equipment, please refer to “[4.11 Promoting the Shared Use of Research Facilities and Equipment.](#)”

\*3 In principle, universities and other R&D institutions are eligible to spend the personnel expenses of PIs and expenses related to the performance of non-research work on behalf of the PIs (buyout expenses) only when certain requirements are met. Under ALCA-Next, the PI and Co-PI are eligible for personnel costs, while buyout expenses are applicable only to the PI. Please refer to the following list of requirements:

- "Revision of Direct Costs to Allow Expenditures for Non-Research Activities (Introduction of the Buyout System) and Expenditures for Personnel Expenses of the Principal Investigator (PI) from Direct Costs (Liaison)" (September 17, 2020)  
<https://www.jst.go.jp/osirase/2020/pdf/20200917.pdf>
- "Working with the Strategic Basic Research Program for Advanced Technologies for Carbon Neutrality (ALCA-Next) regarding the ‘Payment of Principal Investigator (PI) Personnel Expenses from Direct Costs’" (revised on December 5, 2025).  
[https://www.jst.go.jp/alca/dl/pi\\_houshin.pdf](https://www.jst.go.jp/alca/dl/pi_houshin.pdf)
- “Working with the Strategic Basic Research Program for Advanced Technologies for Carbon Neutrality (ALCA-Next) regarding the ‘Revision of Direct Expenses to Allow Expenditures for Non-Research Activities (Introduction of the Buyout System)’” (revised on February 7, 2025).  
[https://www.jst.go.jp/alca/dl/buyout\\_houshin.pdf](https://www.jst.go.jp/alca/dl/buyout_houshin.pdf)

### 3.3.2 Indirect Costs

Indirect costs are those necessary for the management of the R&D institution in conducting R&D, etc. In principle, 30% of the R&D costs (direct costs) will be allocated for indirect costs. In accordance

with the "Common Guidelines for the Execution of Indirect Costs of Competitive Research Funds" (Meeting of the Liaison Committee among Ministries and Agencies on Competitive Research Funds, April 20, 2001, amended on May 31, 2022), R&D institutions must prepare policies, etc. concerning the use of indirect costs, execute them systematically and appropriately, and ensure transparency in the use of such funds. Please ensure good transparency in the use of indirect costs.

### 3.3.3 Multi-Year Contracts and Carryover Systems

In order to achieve the best possible R&D results by making effective and efficient use of R&D funds and preventing misconduct, JST has established multi-year contracts to allow for carryover of R&D funds and procurement contracts that cross over from one fiscal year to the next for universities and other such organizations. (In some cases, multi-year contracts and carry-over may not be allowed depending on the administrative management system of the R&D institution, etc.).

## 3.4 Evaluation

Under this project, regular monitoring and evaluation of R&D will be conducted, and flexible measures will be taken as necessary, such as revising the R&D plan if it is deemed difficult to achieve the goals, or increasing the R&D budget or adjusting the transition to GteX if it is deemed necessary to accelerate R&D for early commercialization.

- a. The PO will monitor the progress and results of R&D, and conduct stage-gate evaluation and ex-post evaluation of R&D proposals with the cooperation of ADs and others.
- b. In principle, the stage-gate evaluation will be conducted in the fourth fiscal year after the start of the R&D to determine whether or not a project can advance to the acceleration phase from the small phase. The stage-gate evaluation will be conducted strictly from the viewpoints of the progress of R&D, such as the progress of R&D including the creation of R&D results, the degree of achievement in resolving technological bottlenecks, and the contribution to the realization of carbon neutrality, and is intended to narrow the number of projects of the same adopted year to about 1/3. In the stage-gate evaluation, not only simple narrowing down of the projects, but also reorganization by integrating multiple projects will be considered depending on the situation.
- c. In cases where a project is terminated (cancelled) because of the stage-gate evaluation, if the GteX PO and others deem that part or all of the research content would contribute to GteX, the

GteX PO and others may make coordination such as having the project participate in a GteX-adopted proposal.

- d. The ex-post evaluation will be conducted as soon as possible after the completion of the R&D and development or at an appropriate time before the completion of the R&D.
- e. In addition to the above, the PO may conduct an R&D proposal evaluation at a time deemed necessary by the PO.
- f. The results of the evaluation will be publicly announced, and measures will be taken to adjust subsequent R&D plans, allocate resources (including increasing or decreasing R&D budget and revision of the R&D structure), terminate (cancel) R&D proposals early, and coordinate among R&D proposals.
- g. After a certain period of time has elapsed after the completion of the R&D, a follow-up evaluation may be conducted based on the status of development and utilization of the R&D results and the activities of the participating researchers.

In addition to the evaluation of R&D projects, evaluations may also be conducted for this program and each technology areas from the perspective of progress toward achieving goals, operational status, etc. To the extent deemed necessary for such evaluation, the PI will be asked to provide various types of information and to respond to interviews, etc.

<b><u>Stage-gate criteria</u></b>
<p><b><u>1. Achievement of Objectives/Goals</u></b></p> <p><b>(1) Results of the small phase</b></p> <ul style="list-style-type: none"><li>• The milestones set in the small phase have been achieved, and R&amp;D results that serve as the basis for the acceleration phase have been generated.</li></ul> <p><b>(2) R&amp;D plan and structure of the small phase</b></p> <ul style="list-style-type: none"><li>• The objectives of the research proposal to be achieved within the research period and the plans (including the budget) were well-defined and appropriate for the project.</li><li>• The research and development structure and the allocation of roles were appropriate for</li></ul>

achieving the objectives.

- The Principal Investigator was able to demonstrate the leadership and management skills necessary to achieve the objectives.

## **2. Future Plans and Outlook**

### **(1) Overall concept of the acceleration phase**

- The R&D is expected to create technologies that can significantly contribute to achieving carbon neutrality, and the scenario toward their practical application is feasible.

### **(2) Originality and Excellence**

- The proposed technology must not be an extension of existing conventional technology but involve challenging technological content that promises tremendous scientific and technological development and demonstrate originality and superiority based on research and development trends in Japan and overseas.

## **3. Suitability of Plans/Implementation Structure, etc.**

### **(1) R&D plan**

- The objectives of the research proposal to be achieved within the research period and plans (including budget) are well-defined and appropriate for the project.

### **(2) R&D structure**

- The project organization is best suited to implement the proposed research.
- The Principal Investigator (and the Co- Principal Investigator) possesses the required experience and ability to effectively carry out the proposed activities.

## **3.5 Responsibilities of the Principal Investigator and Co-Principal Investigator, etc.**

### **3.5.1 Notes on R&D Promotion**

- (1) The Principal Investigator and Co-Principal Investigators are fully aware that JST's R&D budgets are funded by the public's important tax and are responsible for the fair and efficient handling of R&D costs for their own R&D team or for the R&D group as a whole.
- (2) After the proposed R&D project has been adopted, the PI is required to understand the following matters through explanatory meetings, etc. conducted by JST, and submit a written

undertaking of these matters to JST.

- a. Comply with the requirements of the application guidelines and the rules and regulations of your institution.
  - b. With the understanding that the R&D budgets of JST are funded by public taxpayers' money, the project will not engage in fraudulent activities (fabrication, falsification, or plagiarism) in R&D activities, nor will it improperly use R&D funds.
  - c. Ensure that participating researchers are informed about research ethics education programs designated by JST to prevent misconduct in R&D activities and the improper use of R&D funds.
- (3) Principal Investigators and R&D participants must complete a research ethics education program designated by JST to prevent misconduct (fabrication, falsification, and plagiarism) in R&D. Failure to complete the program may result in suspension of access to R&D funds until the completion of the program is confirmed. For details, please refer to "[4.2 Enrolling in and Completing a Research Ethics Education Program.](#)"
- (4) Promotion and management of research and development, etc.
- a. The Principal Investigator is responsible for the overall R&D, including matters related to the planning and implementation of the R&D plan. The PI is also responsible for establishing the R&D site and environment necessary for the promotion of R&D, in cooperation with the R&D organization. If the R&D site or environment is deemed to be a serious obstacle to the promotion of R&D, the R&D proposal may be cancelled or other measures be taken.
  - b. The PI is responsible for submitting R&D plans, research reports, etc., and for responding to R&D proposal evaluations. In addition, the PI should respond to reports on the progress of R&D as required by JST or the PO.
  - c. To ensure appropriate research promotion and evaluation, it is a principle that PI cannot engage in collaborative research with the PO and AD on the adopted projects. Should a new conflict of interest arise due to collaborations other than those related to the adopted projects, it is imperative to conduct conflict of interest management and report to JST in advance. For details on the management, please refer to "[2.8.3 Conflict of Interest Management.](#)"

- d. The project team is requested to provide various information and conduct interviews for the evaluation of this program and a follow-up evaluation after a certain period of time has elapsed after the completion of the R&D.
- (5) The PI of R&D should appropriately manage and administer the execution of R&D tasks and R&D funds (expenditure plan and progress management, administrative procedures, etc.) together with the R&D organization. In addition, the PI should also appropriately manage those who participate in the R&D. The Co-Principal Investigator should properly manage the allocated R&D costs (expenditure plan and progress management, administrative procedures, etc.) together with the R&D institution. If students participate in the project, the faculty advisor is also required to serve as an R&D participant in the R&D agreement with JST. For example, if a student engages in misconduct, both the student and the faculty advisor will be held responsible.
- (6) The PI should give consideration to the R&D environment and working environment and conditions of the R&D participants and researchers employed with the R&D funds.
- (7) PI are encouraged to actively support young postdoctoral researchers hired with R&D funds to secure diverse career paths in Japan and abroad. The activity plan to support diverse career paths for young postdoctoral researchers employed with the R&D funds<sup>3</sup> may be confirmed at the interview and selection meeting.
- For details, please refer to "4.13 Improving the Treatment of Doctoral Students," "4.14 Ensuring a Self-sustaining, Stable Research Environment for Young Researchers," "4.15 Promotion of Research That Addresses Gender Equality, Human Resource Development, Gender etc.," "4.16 Voluntary Research Activities of Young Researchers Employed to Implement the Project," and "4.17 Supporting Various Career Paths for Young Researchers."
- (8) Program Officers and Area Advisors will participate in Area Meetings, which are generally held once or twice a year, to present R&D outcomes.
- (9) Please follow the R&D agreement between JST and the R&D Organization and JST's regulations.
- (10) You are required to respond to accounting inspections including investigations of accounting by JST and government audits.

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<sup>3</sup> Part of the activities under such activity plan may be included in the research effort.

(11) Please be advised that JST will provide the required information, such as the title of the R&D project, participants in the R&D project, and the commissioned R&D costs, to the e-Rad system and the Cabinet Office ("4.33 Provision of information from e-Rad to Cabinet Office"). In addition, we may ask the Principal Investigators to provide various types of information.

### 3.5.2 Responsibilities Regarding R&D Results, etc.

- a. Since the research and development projects to be conducted under this project are government-funded, we ask that you acquire appropriate intellectual property rights and actively present the results of your research and development both domestically and internationally in order to ensure the smooth transfer of research and development results to society and industry. In principle, intellectual property rights should be applied for (or filed for) by the R&D organization based on the research agreement.
- b. When presenting the results obtained through the implementation of the research and development in the form of a paper, etc., please state that they are the results of ALCA-Next.
- c. In accordance with "JST's Basic Policy on the Handling of Research Results for the Promotion of Open Science," researchers are required to submit to JST, together with the research and development plan, a "Data Management Plan" that outlines the guidelines for the storage and management of research data generated as a result, its publication and non-publication, and the operation of research data that can be made public, organized accordingly to the items listed below. In addition, please store, manage, and release (or limited release/non-disclosure) data appropriately based on the above policy. For detailed information on required items, please see "Implementation Guidelines: JST Policy on Open Access to Research Publications and Research Data Management" on the following page.

<https://www.jst.go.jp/EN/about/strategy.html>

<Items on the Data Management Plan>

- Policy for storage and management of research data subject to management
- Policy on publication and non-publication of research data
- Methods and systems for providing research data that can be made publicly available

- Intended use of publicly available research data
- Initiatives to promote the use of publicly available research data
- Other Special Notes

d. The researchers of the projects should participate in workshops and symposia organized by JST in Japan and abroad, as well as in cross-cutting activities and outreach activities aimed at promoting collaboration and synergy in R&D in technological areas, and present the results of your R&D activities. In addition, please actively engage in international activities and information dissemination in the course of your R&D activities.

### **3.6 Responsibilities of R&D Institutes, etc.**

In conducting R&D, R&D institutions must be fully aware that the source of the R&D funds is public funds, while complying with relevant laws and regulations and striving to conduct R&D efficiently. R&D by R&D institutions that cannot fulfill the responsibilities listed below will not be approved. Therefore, when applying, please ensure that you obtain prior approval from all R&D institutions where you plan to conduct R&D (hereinafter referred to as "participating institutions").

(1) When the R&D implementation organization is a domestic organization

a. The R&D Organization must, in principle, conclude a contract R&D agreement in accordance with the contents presented by JST. In addition, the organization is obligated to properly conduct R&D in accordance with the R&D agreement, the administrative instructions, and the R&D plan. If the sponsored research contract cannot be concluded, or if it is determined that the research and development cannot be properly conducted at the relevant R&D institution, the implementation of the research and development at the relevant R&D institution will not be permitted.

\* Please refer to the following web page for the latest model of the contract research agreement.

<https://www.jst.go.jp/contract/index2.html>

b. In accordance with the "Guidelines for the Management and Audit of Public Research Funds at

Research Institutes (Implementation Standards)" (decided by the Minister of Education, Culture, Sports, Science and Technology on February 15, 2007, and revised on February 1, 2021), R&D institutions must establish a system for the management and audit of public research funds under their responsibility. The R&D institution is also required to make efforts to properly handle the commissioned research and development expenses. In addition, R&D institutions are obliged to report regularly to MEXT on the status of implementation of the system for management and auditing of public research funds, and to respond to various investigations concerning the system. (See "4.26 (1) Developing a System Based on the 'Guidelines for the Management and Audit of Public Research Funds at Research Institutes (Implementation Standards)'".")

[https://www.mext.go.jp/a\\_menu/kansa/houkoku/1343904\\_21.htm](https://www.mext.go.jp/a_menu/kansa/houkoku/1343904_21.htm)

c. R&D institutions must strive to prevent misconduct by establishing the necessary rules and systems on their own responsibility, based on the "Guidelines Concerning Responses to Misconduct in Research Activities (decided by the Minister of Education, Culture, Sports, Science and Technology on August 26, 2014)". In addition, the R&D organization is obligated to respond to various investigations concerning the establishment of systems based on the guidelines. (See "4.30 (1) System implementation based on 'Guideline for Responding to Misconduct in Research'".")

[https://www.mext.go.jp/b\\_menu/houdou/26/08/1351568.htm](https://www.mext.go.jp/b_menu/houdou/26/08/1351568.htm)

d. The R&D institution is obligated to ensure that R&D participants are fully aware of the contents of the guidelines described in items b. and c. above, and that they complete a research ethics education program designated by JST.

e. In executing the R&D budget, the R&D organization must appropriately spend and manage the R&D funds in accordance with the regulations of the R&D organization with consideration to flexibility, and must follow the rules specific to this Program as stipulated in the Administrative Instructions, etc. established by JST. (R&D institutions receiving Grants-in- Aid for Scientific Research (KAKEN) may comply with the handling of Grants-in-Aid for Scientific Research at their R&D institutions with regard to matters not described in the Administrative Instructions regarding the use of commissioned R&D costs).

f. R&D institutions need to conclude contracts with researchers who are going to participate in the

R&D and are to be an inventor of intellectual properties regarding the R&D, to ensure the properties be transferred from the researchers to the institutions. In particular, when a person who is not subject to the service invention regulations of a R&D institution such as a student who is not in an employment relationship with the R&D institution is a R&D participant, it is necessary to take appropriate action, such as concluding an contract with the student in advance to ensure that intellectual property rights pertaining to the invention (including conception) made by the student in the course of conducting the R&D belong to the R&D institution, except in cases where it is clear that the student cannot become the inventor. Regarding the conditions of compensation for transfer of intellectual property rights, those concerned are asked to act in a way that is not unfavorable to the student who is the inventor.

In addition, when transferring or establishing an exclusive license of the intellectual property right, it is necessary, in principle, to obtain the prior consent of JST. Additionally, when filing an application, registering establishment, or implementing or abandoning a right, it is obligatory to submit the required reports to JST.

- g. The R&D institute is obligated to respond to investigations of its accounting by JST and to government inspections of its accounts.
- h. The R&D organization is required to follow measures designated by JST such as changing the payment method of the R&D costs or reducing the R&D budget, based on investigations related to the administrative management system, financial status, etc.

In addition, if the evaluation of the program at the end of the JST's mid- to long-term target period calls for the dissolution or downsizing of JST, or if there is a change in the budgetary situation of Japan, JST may cancel the contract during the contract period or reduce the contracted R&D budget in accordance with the special provisions of the R&D agreement. Moreover, based on the results of the interim evaluation of the R&D project, JST may take measures such as increasing or decreasing the R&D budget, changing the contract period, or suspending the R&D. Additionally, if JST judges that it is not appropriate to continue the R&D, it may take measures such as contract termination even during the contract period. The R&D organization must comply with these measures.

- i. If the R&D organization is a national or local government organization, the R&D organization is

responsible for ensuring that the necessary budgetary and other procedures are taken prior to the start of the research contract. (In the unlikely event that the R&D organization is found to have failed to follow the required procedures after the contract has been concluded, the R&D organization may take measures such as canceling the contract or refunding the R&D costs.)

j. As part of its efforts to prevent misconduct in R&D activities, JST requires researchers who participate in newly adopted R&D proposals and who belong to an R&D organization to complete one of the following programs or educational courses:

- “eAPRIN” provided by the Japan Association for the Promotion of Fair Research
- “eL CoRE” provided by the Japan Society for the Promotion of Science
- "For the Sound Development of Science -The Attitude of a Conscientious Scientist-" provided by the Japan Society for the Promotion of Science
- “Responsible Research Practices to Learn from Cases - A Casebook to Instill Awareness and Learning" provided by the Japan Agency for Medical Research and Development
- “A Compendium of Near-Miss Incidents Related to Research Integrity” provided by the Japan Agency for Medical Research and Development
- Other research ethics education programs or training deemed equivalent to the above by the R&D institution to which you belong (If the R&D institution deems it equivalent, the video teaching materials "Gaps in Ethics" provided by JST is also acceptable.)

If it is difficult for you to attend a research ethics education program at your institution due to reasons that include your institution not offering such a program, you can take eAPRIN (an e-learning course provided by the Association for the Promotion of Research Integrity (APRIN)) through JST.

Accordingly, JST will instruct the R&D institution to suspend the execution of all or part of the R&D budget if the researcher concerned does not fulfill the completion obligations stipulated despite JST's reminders. In addition to suspending the execution of the R&D funds in accordance with the instruction, please do not resume using the funds until instructed to do so.

k. Please take necessary measures, such as concluding a joint research agreement with the participating institutions, to the extent that it does not violate the terms of the R&D agreement with JST, regarding the handling of intellectual property rights, confidentiality, etc., so as not

to impede the appropriate implementation of the R&D or the utilization of R&D results.

- I. When carrying out contracted R&D, as R&D funds come from the government, please handle expenses appropriately to ensure good accountability, while paying sufficient attention to economy, efficiency, effectiveness, legality, and accuracy. Please also make every effort to carry out the R&D in a systematic manner, and be careful not to procure funds for the purpose of exhausting the budget at the end of the R&D period or at the end of the fiscal year.
- m. This program is subject to security trade control requirements. In principle, if you intend to export (provide) goods or technologies regulated under the Foreign Exchange and Foreign Trade Act (Act No. 228 of 1949), you must obtain permission from the Minister of Economy, Trade and Industry. Additionally, if you export items on the regulated list or provide technologies on the regulated list to foreign countries, you need to establish a security trade control system (4.5 Security export control (measures against overseas technology leaks)).

(2) When the R&D is conducted by an overseas organization

- a. In principle, the R&D organization must conclude an agreement using the "Joint Research Agreement" template provided by JST (there are a few cases in which the contract clauses may be adjusted for items that are deemed reasonable, taking into consideration the characteristics of the R&D content and others). Indirect costs are limited to 30% of direct costs. In addition, the applicant is obligated to properly conduct R&D in accordance with the Joint Research Agreement\* and the R&D plan. If the agreement cannot be concluded, or if it is determined that the R&D will not be properly conducted at the relevant R&D institution, the implementation of the R&D at the relevant R&D institution will not be approved.

\* Please refer to the following URL for a model research agreement for overseas organization.

<https://www.jst.go.jp/alca/form/index.html>

- b. Based on the research contract and any guidelines separately specified by JST, research institutions are responsible for appropriately disbursing and managing R&D funds. They must also prepare and submit accounting reports in English, including expense statements (equivalent to income and expenditure records in domestic institutions) that detail all R&D expenditures. In addition, the R&D Organization is required to respond to various investigations

on the execution status of the R&D costs at the request of JST even during the term of the contract.

c. For other details of the terms and conditions, please refer to the latest "Joint Research Agreement" template.

- \* There may be cases in which JST determines that a contract research agreement should not be concluded from the viewpoint of security trade control, such as institutions listed on the "Foreign User List"<sup>4</sup> published by the Ministry of Economy, Trade and Industry.

### 3.7 Other Points to Note

#### 3.7.1 Maternity, Childcare, and Nursing Care Support Systems

As part of its efforts to promote gender equality, JST offers a childbirth/childcare/nursing care support system. This system aims to support researchers during life events, such as childbirth, childcare, or caregiving, allowing them to continue R&D activities. If researchers must temporarily suspend their work, the system ensures continuity of their careers upon returning.

This system aims to promote R&D projects by enabling researchers facing life events to continue their work at JST-funded projects, thereby supporting their career development and promoting gender equality.

For more information, please refer to the following web page:

<https://www.jst.go.jp/diversity/about/research/child-care.html>

#### 3.7.2 Use of JREC-IN Portal

As one of the largest research personnel career support portals in Japan, the Japan Research Career Information Network (JREC-IN Portal <https://jrecin.jst.go.jp/>) is a service that allows free posting and browsing of job information for researchers, research supporters, technicians, and other personnel involved in research.

Currently, more than 140,000 users are registered with JREC-IN Portal, and more than 25,000 job openings are posted annually by universities, public research institutes, and private companies. In

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<sup>4</sup> The Ministry of Economy, Trade and Industry publishes a "Foreign User List," which includes information on foreign and regional entities with unresolved concerns regarding the development of weapons, etc., to enhance the effectiveness of catch-all regulations on weapons-related goods, etc.  
[https://www.meti.go.jp/policy/anpo/20250929\\_3.pdf](https://www.meti.go.jp/policy/anpo/20250929_3.pdf)

addition, JREC-IN Portal's web-based application function simplifies the management of application documents and reduces the burden on job seekers. If you are looking for highly knowledgeable research personnel (postdoctoral fellows, researchers, etc.) to promote your research project, please take advantage of the JREC-IN Portal.

In addition, JREC-IN Portal is linked to researchmap, and the functions for creating a resume and list of accomplishments allow you to easily create these application documents using information registered in researchmap.

## Chapter 4: Key Points for Application

### 4.1 Regarding the Use of Generative AI

Using Generative AI to create application documents carries the risk of copyright infringement or leakage of personal or confidential information. It is the responsibility of researchers to understand these risks and decide whether to use such tools.

### 4.2 Enrolling in and Completing a Research Ethics Education Program

Applicants are required to have completed a research ethics education program. Please note that failure to complete the program will be considered an incomplete application.

Please follow either (1) or (2) below for the procedures for taking a research ethics education program and declaring completion of the program. For application instructions using e-Rad, please refer to "[Chapter 5: Submission via Cross-Ministerial R&D Management System \(e-Rad\)](#)".

(1) For applicants who have completed an equivalent program at their institution

If you have completed various research integrity education programs such as e-learning and training sessions conducted by your institution at the time of application, please declare that you have completed them on the e-Rad application information entry screen.

(2) For applicants who have not completed a program at their institution (including applicants at institutions where the program is not provided)

a. If you have completed eAPRIN in the past under JST programs, etc.

If you have completed eAPRIN for JST programs at the time of application, please declare that you have completed on the e-Rad application information entry screen.

b. In cases other than a. above

If it is difficult for you to attend a research ethics education program at your institution, you can take the condensed version of eAPRIN through JST. The course takes approximately one to two hours to complete, and there is no cost to attend. After completing the course at the URL below, please enter "Completion of condensed version" on the e-Rad application information entry screen.

Course URL: <https://edu2.aprin.or.jp/ard/>

■ Consultation for research ethics education programs

Research Integrity Division, Department of Legal Affairs and Compliance, Japan Science and Technology Agency

E-mail: [rcr-kousyu@jst.go.jp](mailto:rcr-kousyu@jst.go.jp)

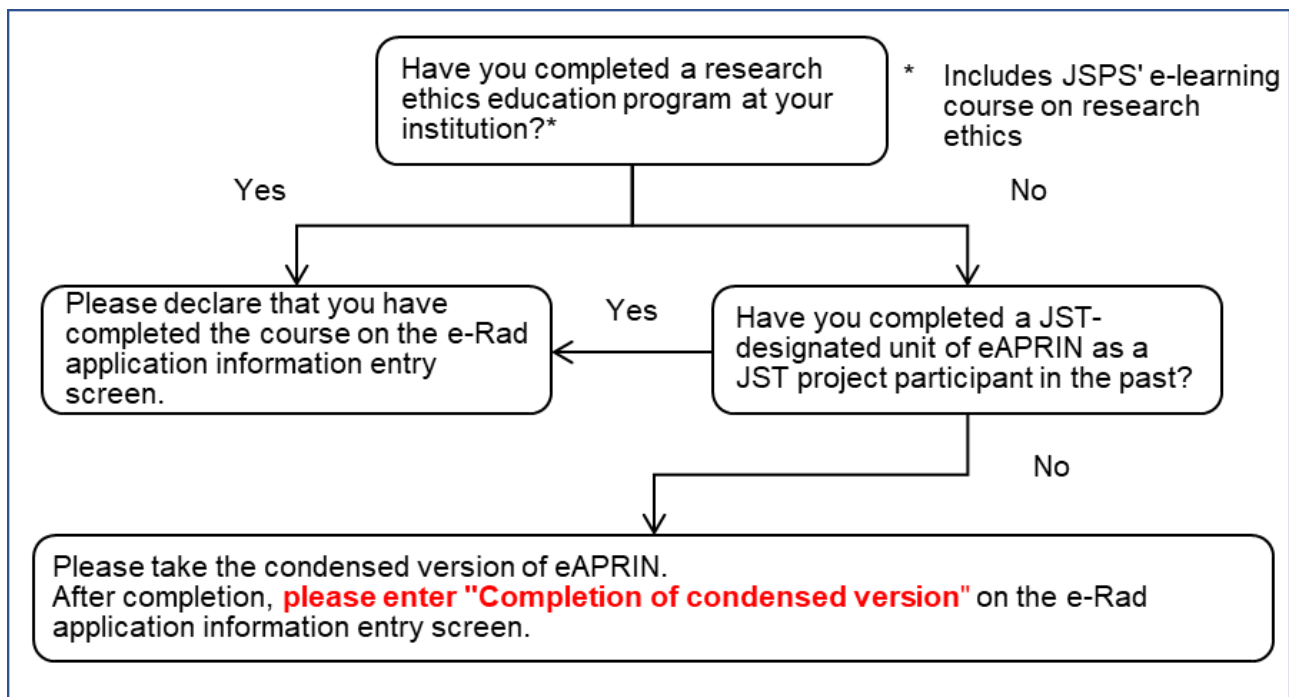
■ Contact for application

Department of R&D for Future Creation, Japan Science and Technology Agency

E-mail: [alca-next@jst.go.jp](mailto:alca-next@jst.go.jp)

\* Please include the name of the open call, the e-Rad project ID, the name of the applicant, and project name in the email.

### Flowchart for Reporting Attendance and Completion of Research Ethics Education Programs



JST requires that researchers participating in this program complete one of the following programs or educational courses.

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- “eAPRIN” provided by the Japan Association for the Promotion of Fair Research
- “eL CoRE” provided by the Japan Society for the Promotion of Science
- “For the Sound Development of Science -The Attitude of a Conscientious Scientist-” provided by the Japan Society for the Promotion of Science

- “Responsible Research Practices to Learn from Cases - A Casebook to Instill Awareness and Learning” provided by the Japan Agency for Medical Research and Development
- “A Compendium of Near-Miss Incidents Related to Research Integrity” provided by the Japan Agency for Medical Research and Development
- Other research ethics education programs or training deemed equivalent to the above by the R&D institution to which you belong (If the R&D institution deems it equivalent, the video teaching materials "Gaps in Ethics" provided by JST is also acceptable.)

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If it is difficult for you to attend a research ethics education program at your institution due to reasons that include your institution not offering such a program, you can take eAPRIN (an e-learning course provided by the Association for the Promotion of Research Integrity (APRIN)) through JST. In the next fiscal year as well, all R&D participants will, in principle, be required to complete the above-mentioned research ethics education program or course designated by JST (except for those who have already completed the above-mentioned research ethics education program or course designated by JST at their home institutions or in JST's projects, etc.). (However, this does not apply to cases where the participant has already completed the above-mentioned research ethics education program or course designated by JST at their institution or JST project.)

#### **4.3 Measures Against Unreasonable Duplication and Excessive Concentration**

##### o Measures against unreasonable duplication

In cases where multiple competitive research funds or other research funds (all current R&D funds allocated to individual R&D projects in Japan or abroad, including subsidies, grants, joint research funds, and contract research funds) are unnecessarily allocated to the same R&D project (the name or the content of research which receives competitive research funding) by the same researcher, and any of the following applies, the Program will reject, cancel, or reduce the allocation of the research proposal (hereinafter referred to as "rejection of the research proposal"), depending on the degree of such a situation.

- In cases where multiple applications are simultaneously submitted to multiple competitive research funds or other research funds for the same R&D project (including cases of substantial overlap) and duplicate applications are adopted
- In cases where there is an application for a research program that is substantially the same

as a R&D project that is already adopted and allocated competitive research funds or other research funds

- In cases where there is an overlap in the use of R&D funds among multiple R&D projects
- Other cases equivalent to the above

Although there is no restriction on applying for other competitive research funds or other research funds at the application stage of this program, if your proposal is selected for other competitive research funds or other research funds, you are required to report it promptly to the program's public application office. Failure to do so may result in the Program's rejection of the R&D proposal.

- \* The following types of funding are available: basic or internal funds as allocated within the institution, commercial activities as defined by the Commercial Code of Japan, and direct or indirect financing.

○ Measures against excessive concentration

In cases where the content of the R&D proposed in this Program is different from the content of the R&D being conducted using other competitive research funds or other research funds, but the same researcher or R&D group (hereinafter referred to as the "Researcher, etc.") is not able to use all of the R&D funds allocated to the Program for the relevant fiscal year effectively and efficiently and within the R&D period, and if any of the following applies, the Program may reject the R&D proposal, depending on the extent of the situation.

- Excessive R&D funds are allocated in light of the capabilities and R&D methods of the researcher, etc.
- The R&D costs are excessive compared to the effort (the ratio (%) of the time required to conduct the R&D to the researcher's total work hours\*) allocated to the R&D project
- The cost of research equipment is unnecessarily expensive
- Other cases equivalent to the above

For this reason, if any changes occur in the information provided in the application, such as the selection status of another application for other competitive research funds or other research funds after submitting the application documents for this program, please promptly report to the administrative staff of this program. Failure to do so may result in project adoption being cancelled.

- \*The total work time of a researcher does not refer only to the time spent on research activities,

but also to the actual total work time, including educational activities and administrative work at his/her institution.

○ Methods for eliminating unreasonable duplication and excessive concentration

In order to exclude unreasonable duplication and excessive concentration of competitive research funds, and to ensure transparency in R&D activities while ensuring appropriate efforts, the following information must be provided at the time of application.

(i) Information on the current status of application for and acceptance of other competitive research funds and other research funds, including those from other ministries, and all current affiliations and positions

At the time of application, the Principal Investigator and Co-Principal Investigator shall provide the following information on the current status of application for and acceptance of other competitive research funds and other research funds (name of program, research topic, period of implementation, budget amount, effort, etc.; hereinafter referred to as "information on research funds"), including those from other ministries. Information on all current institutional affiliations and positions (including dual employment, participation in foreign personnel recruitment programs, emeritus professorships without employment contracts, etc.) is also required. This information is to be entered in the application documents and e-Rad. If any false information is entered in the application documents or e-Rad, the R&D proposal may be rejected.

Among information related to research costs, information related to joint researches, for which confidentiality agreements have been exchanged, will be handled as follows, taking individual circumstances into consideration so that industry-academia collaboration activities, etc., will not be curtailed.

- We will ask you to provide only the information necessary to confirm that the proposed R&D will not result in an unreasonable duplication or excessive concentration of research funds, and that the R&D will be conducted in a manner that ensures an appropriate level of effort (in principle, only the name of the partner institution for joint research, the amount of research funds to be received, and the information related to the effort).
- However, if submission is difficult due to unavoidable circumstances, such as when a

confidentiality agreement is already in place, the application may be submitted without indicating the name of the partner institution and the amount of research funds received. In such cases, when necessary, we may still make an inquiry to the institution to which you belong.

- In addition to the institution(s) to which the applicant belongs, information may also be shared among funding agencies and related ministries. In such cases, information is shared only among those who are obligated to maintain confidentiality.

When concluding nondisclosure agreements related to your research in the future, we strongly ask you to consider making it a prerequisite that necessary information may be provided when applying for competitive research funding. Please note, however, that it is possible to conclude an agreement that does not presuppose the submission of such confidential information if both parties to the agreement agree on the scope of information to be kept confidential and the justification for such confidentiality (e.g., information that is extremely important for corporate strategy and is considered to be particularly sensitive to confidentiality).

(ii) Provision of other information necessary to ensure transparency in all research activities in which the applicant is involved

In addition to information related to research budgets and the institution and position to which the applicant belongs, the applicant is required to pledge that all information necessary to ensure transparency regarding all research activities in which he/she is involved, is properly reported to his/her institution in accordance with relevant rules and regulations. The research activities include those by support other than funding such as donations and support for facilities and equipment (\*). If it is found that you have not reported appropriately in violation of your pledge, your R&D proposal may be rejected.

With regard to information on the status of purchase of facilities and equipment that are not used for the applied R&D proposal but are used for research in which the applicant is separately engaged, in addition to the pledge, the affiliated organization will be requested to submit information on the status of understanding and management of such information from the perspective of confirming that the R&D project can be adequately carried out without unreasonable duplication or excessive concentration.

\*Includes cases where the research facilities, facilities, equipment, and other goods and services are provided free of charge.

- Sharing of information on applications to eliminate unreasonable duplication and overconcentration

To the extent necessary to exclude unreasonable duplication and excessive concentration, information on some of the applications will be shared among the programs, including those of other ministries, through e-Rad and other means.

#### **4.4 Ensuring Research Integrity and Research Security against New Risks associated with Internationalization and Openness of Research Activities**

In order to promote the creation of science, technology, and innovation in Japan, we must continue to strongly promote international collaborative research with a variety of partners, with open science as the fundamental principle. At the same time, in recent years, new risks associated with the internationalization and openness of research activities have raised concerns that the fundamental values of the research environment, such as openness and transparency, may be undermined and that researchers may unintentionally fall into conflicts of interest and responsibilities. In this context, it is essential for Japan to establish an internationally credible research environment in order to promote necessary international cooperation and exchanges while protecting the fundamental values of the research environment.

Therefore, it is important for universities and research institutions, etc. to develop relevant regulations and management systems, including those for conflicts of interest and conflicts of responsibility, based on the "Policy for Ensuring Research Integrity against New Risks Associated with Internationalization and Openness of Research Activities (decided by the Council for the Promotion of Integrated Innovation Strategy on April 27, 2021)," and to ensure the self-sustaining soundness and fairness of research (research integrity) conducted by researchers and universities/research institutions, etc. by taking the necessary measures.

Further, "Procedures to Ensure Research Security" (December 2025, Cabinet Office Expert Meeting on Ensuring Research Security and Research Integrity) states that ensuring research security is essential not only to meet Japan's economic security requirements but also to build mutual trust with G7 nations and other like-minded countries and to continue promoting international joint

research. Please refer to the Cabinet Office website for more information.

**This program is designated as a Specified Research and Development Program.** Please ensure that the following information is fully shared with the affiliated institutions of the Principal Investigator and the Co-Principal Investigator before submitting a proposal.

( i ) Designation as a Specified Research and Development Program

This program is designated as a “Specified Research and Development Program.” Therefore, from the perspective of ensuring research security, JST requires the research institution to which the Principal Investigator and the Co-Principal Investigator belong to implement risk management based on the “Procedures to Ensure Research Security.”

\*Scope of Application

Target Technology Area: All Areas

Target Projects: Newly selected projects in FY 2026

Target Institutions: Research Institutions recognized as “universities, etc.” or “companies, etc.” in the commissioned research contract

( ii ) Specific Contents of Risk Management

The specific contents of the risk management measures to be implemented shall be based on the “Procedures to Ensure Research Security.” Specifically, they will be determined through consultation between the Principal Investigator, and the research institution, based on responses to the Research Security Questionnaire, which will be sent separately to the Principal Investigator of selected projects subject to risk management.

( iii ) Deadline for Submitting Responses to the Research Security Questionnaire

If selected for risk management, the Principal Investigator must obtain consent from the Co-Principal Investigator and confirmation from the relevant departments of the research institutions to which the Principal Investigator and the Co-Principal Investigator are affiliated (including departments responsible for research security and research integrity, if applicable). Responses to the Research Security Questionnaire must then be submitted by the deadline specified separately by JST.

( iv ) Confirmation of Risk Management Results

JST and the Ministry of Education, Culture, Sports, Science and Technology shall review the submitted responses. Based on the results, JST may request the research institutions to which the Principal Investigator and the Co-Principal Investigator are affiliated to implement additional

risk mitigation measures.

( v ) Handling of Personal Information

The personal information provided by researchers may be used, to the extent necessary, by JST and government agencies such as the Ministry of Education, Culture, Sports, Science and Technology and the Cabinet Office, which receive such information from JST, to implement risk management measures and ensure research security.

( vi ) Measures in Case of Violations of Procedures

Based on the “Procedures to Ensure Research Security,” any violations will be addressed according to the seriousness of the act and the severity of the consequences. Violations may be treated as acts of fraudulent receipt under the “Guidelines on the Appropriate Execution of Competitive Research Funds” (September 9, 2005), and any researcher and their conspirators caught committing such acts may be subject to measures such as restrictions on applying to this program.

○“Procedures to Ensure Research Security”

(December 2025, Cabinet Officer Ensuring Research Security and Research Integrity)

[https://www8.cao.go.jp/cstp/kokusaiteki/integrity/yushikisha/guidelines\\_v1.pdf](https://www8.cao.go.jp/cstp/kokusaiteki/integrity/yushikisha/guidelines_v1.pdf)

#### **4.5 Security export control (measures against overseas technology leaks)**

Many advanced technologies are studied at R&D institutions. In particular, at universities, there is a heightened risk of leakage of advanced technologies and research-related materials/equipment or misuse in the development/manufacture of weapons owing to the increased number of international students and foreign researchers due to internationalization. Therefore, an organizational response by the R&D institution is required when an R&D institution conducts R&D activities, including the relevant commissioned R&D, so that R&D results with potential military applications are not passed to groups or individuals considering activities of concern, such as terrorist groups and developers of weapons of mass destruction.

In Japan, export controls (\*1) are imposed based on the Foreign Exchange and Foreign Trade Act (Act No. 228 of 1949; hereinafter, “Foreign Exchange Act”) to maintain international peace and security. Accordingly, as a general rule, a license from the Minister of Economy, Trade and Industry is necessary when attempting to export (provide) goods or technologies controlled under the Foreign

Exchange Act. All those participating in this program must comply with the Foreign Exchange Act and all other laws, ordinances, guidelines, and notifications of the national government. In addition to legal action and penalties, the distribution of R&D funds may be halted, and the decision to allocate R&D funds may be canceled if R&D is conducted in violation of the relevant laws, ordinances, and guidelines.

\*1: Currently, Japan's security export control system is mainly based on international agreements and comprises two systems: 1. A list regulation system requiring permission from the Minister of Economy, Trade and Industry when exporting or providing cargo or technology with specifications and functions above certain levels, such as carbon fiber and numerically controlled machine tools; 2. A catch-all regulation system requiring ministerial permission when exporting or providing goods or technology not under list regulations, if specific requirements are met regarding usage, users, or information.

The export of cargo and the provision of technology is subject to the regulation of the Foreign Exchange Act. Advance permission is required when providing list-regulated technology to non-residents (including residents who fall under a specific type (\*2)) or when providing it in a foreign country. The provision of technology encompasses technical information, such as blueprints, specifications, manuals, samples, and prototypes, in paper, email, and storage media, such as CDs, DVDs, and USB memory drives, and work knowledge through technical guidance and skill training, as well as technical support at seminars.

Acceptance of international students from abroad and activities such as joint research may include many exchanges of technologies that may be subject to the regulations of the Foreign Exchange Act. The regulations may also apply if attempting to provide technology acquired through this program or when attempting to provide technology that has already been acquired by utilizing this program.

Please note that students receiving funding from foreign governments for study may be subject to export control under the Foreign Exchange Act as specific-type residents, even if they are residents in Japan. Host institutes must therefore properly track scholarship and funding status of international students.

\*2: Refers to the type of resident who is strongly influenced by non-residents, and it is permitted based on the provisions of Article 25, Paragraph 1 of the Foreign Exchange and Foreign Trade Law and Article 17, Paragraph 2-4 of the Foreign Exchange Ordinance. Transactions or acts that provide technology that requires "1. (3) Refers to the specific types specified in (1) to (3).

Additionally, based on the Foreign Exchange Act, it is necessary for R&D institutions to establish a security trade management system when exporting list-regulated cargo or providing list-regulated technology to foreign countries (\*3). Therefore, by the time the agreement is concluded, it may be necessary to confirm whether this program plans to provide cargo and technology subject to export regulations under the Foreign Exchange Act. If there is an intention to provide the information, a management system in place may be confirmed.

If intending to provide cargo or technology and there is no management system, a system must be put in place until the cargo or technology is provided or by the end of this program, whichever comes first. The confirmation status may be reported at the request of the Ministry of Economy, Trade and Industry.

Moreover, if the technology acquired through this program violates the regulations related to the Foreign Exchange Act, the agreement may be canceled partially or entirely.

\*3: Exporters must comply with the “Exporter Compliance Standards” stipulated in Article 55-10, Paragraph 1 of the Foreign Exchange Act. Further, the security trade management system here is based on the management system in the “Exporter Compliance Standards” and refers to an organization’s internal management system for preventing illegal exports by correctly exporting list-regulated goods or providing list-regulated technologies to foreign countries.

Details of security trade management are available on the website of the Ministry of Economy, Trade and Industry. Please see the following for details:

- Ministry of Economy, Trade and Industry: Security export control (in general):
  - <https://www.meti.go.jp/policy/anpo/>
- Ministry of Economy, Trade and Industry: Guidance on Sensitive Technology Management Related to Security Trade (for universities and research and development institutions):
  - <https://www.meti.go.jp/policy/anpo/daigaku/guidance5.pdf>
- Center for Information on Security Trade Control:
  - <https://www.cistec.or.jp/index.html>
- Information about Transactions or Acts that Provide Technologies that Require Permission Pursuant to the Provisions of the Foreign Exchange and Foreign Trade Act Article 25 Paragraph 1 or the Foreign Exchange Order Article 17 Paragraph 2-4:
  - [https://www.meti.go.jp/policy/anpo/law\\_document/tutatu/t10kaisei/ekimu\\_tutatu.pdf](https://www.meti.go.jp/policy/anpo/law_document/tutatu/t10kaisei/ekimu_tutatu.pdf)

Regarding the Japanese Version of the Bayh-Dole Act

[Transfer of Intellectual Property Rights to Foreign Countries for National Commissioned R&D to which the Japanese Version of the Bayh-Dole Act Applies]

The Expert Meeting on Economic Security Legal System on June 4, 2024, compiled "Recommendations on Technology Outflow Prevention Measures for Important Technologies in Economic Security: Response in Government Supported R&D Programs". This report examined necessary technology outflow prevention measures and risk management in government-supported R&D programs. All relevant ministries and institutes must now work together to implement these prevention measures.

The recommendations include matters related to the operation of the Japanese Version of the Bayh-Dole Act based on Article 17 of the Industrial Technology Enhancement Act.

Under the Japanese Version of the Bayh-Dole Act, intellectual property rights generated from national commissioned research and development can be assigned to contractors including private companies. However, any transfer of such intellectual property rights to third parties requires prior national approval, except for transfers to subsidiary or parent companies.

Therefore, the outflow of national commissioned research and development results to foreign countries may be unavoidable in the following cases: 1. when a Japanese subsidiary of a foreign company transfers intellectual property to its parent company; 2. when a subsidiary of a domestic company becomes a subsidiary of a foreign company through M&A and subsequently sells or transfers its business to that foreign company; 3. when a domestic company headquarters relocates overseas and becomes a foreign company, or in other cases where the subsidiary or parent company receiving the transfer is a foreign company.

Based on this, the recommendations stipulate that when transferring intellectual property to a foreign parent company or subsidiary, the contractor must provide prior notification to JST. JST must then confirm this notification and ensure coordination between contracting parties.

In this program, about these recommendations, you must notify JST in advance and obtain approval when transferring intellectual property to foreign companies, as specified in the contract terms.

#### **4.6 Strict Adherence to United Nations Security Council Resolution No. 2321**

For strict adherence to United Nations Security Council resolutions, as requested in the

"Administrative Notice from the International Affairs Division, Minister's Secretariat, MEXT regarding Strict Implementation of United Nations Security Council Resolution 2321" (June 25, 2024), section 11 of the main text of Resolution 2321 specifically stipulates that scientific and technical cooperation involving persons or groups officially sponsored by or representing the North Korean shall be suspended in principle.

When writing international co-authored papers involving multiple countries, please take appropriate measures such as thorough verification during manuscript preparation and before submission, as there is a possibility of unintentional co-authorship with North Korean researchers even when there is no direct collaborative relationship between researchers from your institute and North Korean researchers.

For details on Security Council Resolution 2321, please refer to the following.

Ministry of Foreign Affairs of Japan: United Nations Security Council Resolution 2321,  
Japanese translation

(Ministry of Foreign Affairs Notice No. 463, issued on December 9, 2016)

<https://www.mofa.go.jp/mofaj/files/000211409.pdf>

#### **4.7 Carryover**

In the event that it is difficult to complete its research expenditure within a fiscal year due to difficulties in determining the research method, conditions related to planning, weather conditions, difficulty in obtaining materials, or other unavoidable reasons, the budget may be carried over to the end of the following fiscal year at the latest if there is a multi-year contract that continues through the following fiscal year.

#### **4.8 Table of Cross-ministerial Cost Categorization**

This program has established a cost structure based on the cross-ministerial cost category table for each ministry and agency, which is commonly used in competitive research funds. The table is available on the following page.

<https://www.jst.go.jp/contract/download/2025/2025kisokens309betsu.pdf>

Currently, in response to the "6th Science, Technology and Innovation Basic Plan", the "Integrated Innovation Strategy 2025", and the "Comprehensive Package for Strengthening Research Capability

and Supporting Young Researchers", institutional improvements regarding competitive research funding are underway. Based on this, the program allows expenditures from direct costs for personnel expenses of the project's Principal Investigator (hereafter "PI") and the Co- Principal Investigator, as well as expenses related to outsourcing work other than the PI's research (buyout expenses). In case you wish to pay for the personnel expenses of PIs and expenses related to non-research work on their behalf (buyout expenses), please refer to the necessary requirements and procedures below.

In addition, based on the "Common Guidelines for the Development of a Competitive Research Funding System from the Perspective of Gender Equality and Human Resource Development" (February 8, 2023, Liaison Committee among Ministries and Agencies on Competitive Research Funds), this program allows for the payment of direct costs for the promotion of human resource development in the science and engineering fields that will lead the next generation.

- "Revision of the Direct Costs to Allow Expenditures for Non-Research Activities (Introduction of the Buyout System) and Expenditures for Personnel Expenses of the Principal Investigator (PI) from Direct Costs (Liaison)" (September 17, 2020)  
<https://www.jst.go.jp/osirase/2020/pdf/20200917.pdf>
  
- "Working with the Strategic Basic Research Program for Advanced Technologies for Carbon Neutrality (ALCA-Next) regarding the 'Payment of Principal Investigator (PI) Personnel Expenses from Direct Costs'" (revised on December 5, 2026).  
[https://www.jst.go.jp/alca/dl/pi\\_houshin.pdf](https://www.jst.go.jp/alca/dl/pi_houshin.pdf)
  
- "Working with the Strategic Basic Research Program for Advanced Technologies for Carbon Neutrality (ALCA-Next) regarding the 'Revision of Direct Costs to Allow Expenditures for Non-Research Activities (Introduction of the Buyout System)'" (revised on February 7, 2025).  
[https://www.jst.go.jp/alca/dl/buyout\\_houshin.pdf](https://www.jst.go.jp/alca/dl/buyout_houshin.pdf)

#### **4.9 Diversion of Costs among Items**

The maximum amount that can be diverted between expense items without JST approval is limited to 50% of total direct costs or 5 million JPY.

Please note that diversion between direct and indirect costs is not permitted.

#### **4.10 Securing the Research Period until the End of the Fiscal Year**

JST is taking the following measures for all competitive research funds to allow researchers to conduct their research until the end of the fiscal year.

- (1) JST will confirm completion of the project and inspect and accept the R&D results.
- (2) The deadline for submission of accounting performance reports is May 31.
- (3) The deadline for submission of the R&D results report is May 31.

Each R&D organization is requested to make efforts to establish the necessary systems within the organization, taking into consideration that the purpose of these responses is to secure the R&D period until the end of the fiscal year.

#### **4.11 Indirect Costs**

R&D organizations receiving allocations of indirect costs are responsible for preparing a policy on the use of indirect costs under the responsibility of the head of the R&D organization, and for executing it systematically and appropriately in accordance with the policy, while ensuring transparency in the use of indirect costs through explanations to researchers and other means. In addition, please manage indirect costs appropriately and keep receipts and other documents that prove the appropriate use of indirect costs for five years from the fiscal year following the fiscal year of project completion.

R&D organizations that have been allocated indirect costs are required to report their indirect costs for each fiscal year via e-Rad by June 30 of the following fiscal year (for research organizations that have received multiple competitive research grants, please report all indirect costs associated with those competitive research grants together). If you do not know how to use e-Rad for reporting, please refer to the e-Rad operation manual ([https://www.e-rad.go.jp/manual/for\\_organ.html](https://www.e-rad.go.jp/manual/for_organ.html)) or "Frequently Asked Questions and Answers" (<https://qa.e-rad.go.jp/>).

Revisions to the "Common Guidelines for Indirect Costs under Competitive Funds" (Liaison Committee among Ministries and Agencies on Competitive Research Funds, April 20, 2001) allow the use of the funds for replacing depreciable assets held by independent administrative agencies based on accounting standards. This applies only for projects financed by funds or grants-in-aid for operation.

#### **4.12 Promoting the Joint Use of Research Facilities and Equipment**

With regard to “Reforming competitive research funds toward the sustainable creation of research achievements (mid-term summary)” (Committee for Reforming Competitive Research Funds, June 24, 2015), it is considered proper to make shared use of relatively large facilities and equipment while aiming to fully achieve research objectives.

In addition, the “6th Science, Technology, and Innovation Basic Plan” (approved by the Cabinet on March 26, 2021) and “Integrated Innovation Strategy 2025” (approved by the Cabinet on June 6, 2025) call for the promotion of the maintenance and sharing of research equipment and facilities, the establishment of a system for the systematic installation, renewal, and utilization of research facilities (core facilities), and the formulation and publication of sharing policies.

In March 2022, the Ministry of Education, Culture, Sports, Science and Technology formulated the “Guidelines for Promoting the Shared Use of Research Facilities and Equipment” with the aim of promoting the strategic operation and sharing of research facilities and equipment at universities.

Further, under the “Science Revitalization Proposal” (November 18, 2025 [Reiwa 7] Expert Panel on Science Revitalization), reforms are to be implemented to revive the research environment, with the aim of securing and sustainably improving access to research facilities and transforming the use of research funds. These reforms shift the focus from hardware (facilities, equipment etc.) to software (human resources, systems, high-value-added services, etc.) funded by competitive research grants. Measures include establishing core facilities that integrate equipment and operations at each research institution, with the goal of doubling the sharing rate by the end of FY 2035. In addition, to promote and verify such changes in the use of competitive research funds under the “Policy for the Future to Renew Advanced Research Infrastructure to Maximize Research Creativity and Efficiency” (July 10, 2025, Council for Science and Technology, Research and Development Infrastructure Subcommittee, Committee for the Strengthening of Advanced Research and Development Infrastructure), the basic approach is to record usage fees for research facilities and equipment. When recording purchase costs for facilities and equipment of a certain scale or higher, research institutions are required to introduce mechanisms to confirm the absence of duplication and plans for shared use (including the planned timing for shared use, or reasons why shared use is difficult, etc.) before submitting these applications.

Based on these, R&D institutions are requested to promote joint use of research facilities and equipment purchased by this program, in particular, large and multipurpose facilities, so as not impact

the performance of R&D projects. Such purchase shall be made in accordance with a joint use system at affiliated institutions. The use of facilities and equipment purchased with other research funds, within control conditions, and purchase or use with combined multiple research funds shall also be actively promoted. When doing so, it is important to be aware of the potential for sharing facilities/equipment even while projects are being carried out and considering further sharing in order to strengthen research capacity through the use of cutting-edge research facilities/equipment. Note that the management of shared facilities and equipment should be balanced with their use to achieve the research purposes of the R&D projects.

Besides the above joint use system, R&D institutions are requested to collaborate actively with joint use systems such as the “University Collaborative Research Facility Network Project” managed by the Inter-University Research Institute Corporations’ National Institutes of Natural Sciences with the aim of mutual use of equipment throughout the nation, as well as the “Program for supporting introduction of the new sharing system” and “Core facility construction support program” used by universities to promote the joint use of research facilities and equipment beyond the framework of research organizations and R&D institutions.

- “About reforming competitive research funds toward sustainable creation of research achievements (mid-term summary)” (Committee for Reforming Competitive Research Funds, June 24, 2015)  
[https://www.mext.go.jp/b\\_menu/shingi/chousa/shinkou/039/gaiyou/1359306.htm](https://www.mext.go.jp/b_menu/shingi/chousa/shinkou/039/gaiyou/1359306.htm)
- “6th Science, Technology, and Innovation Basic Plan” (approved by the Cabinet on March 26, 2021)  
<https://www8.cao.go.jp/cstp/kihonkeikaku/6honbun.pdf>
- “Integrated Innovation Strategy 2025” (approved by the Cabinet on June 6, 2025)  
[https://www8.cao.go.jp/cstp/tougosenryaku/togo2025\\_zentai.pdf](https://www8.cao.go.jp/cstp/tougosenryaku/togo2025_zentai.pdf)
- “Unification of Rules for Various Office Procedures for Competitive Funds” (Agreement by the Liaison Committee among Ministries and Agencies on Competitive Research Funds, revised on May 24, 2023)  
[https://www8.cao.go.jp/cstp/compefund/toitsu\\_rule\\_r50524.pdf](https://www8.cao.go.jp/cstp/compefund/toitsu_rule_r50524.pdf)
- “Purchase of shared facilities under multiple research funding systems (combined use)” (Agreement by Funding Agencies and Relevant Ministries and Agencies, revised on

September 10, 2020)

[https://www.mext.go.jp/content/20200910-mxt\\_sinkou02-100001873.pdf](https://www.mext.go.jp/content/20200910-mxt_sinkou02-100001873.pdf)

- “Guidelines for Promoting the Shared Use of Research Facilities and Equipment”  
(formulated in March 2022)

[https://www.mext.go.jp/content/20220329-mxt\\_kibanken01-000021605\\_2.pdf](https://www.mext.go.jp/content/20220329-mxt_kibanken01-000021605_2.pdf)

Reference: Overview Version on YouTube] [https://youtu.be/x29hH7\\_uNQo](https://youtu.be/x29hH7_uNQo)

- “University Collaborative Research Facility Network”

<https://chem-eqnet.ims.ac.jp/>

- “Program to Support the Introduction of the New Sharing System”

<https://www.jst.go.jp/shincho/program/sinkyoyo.html>

- “Core Facility Construction Support Program”

<https://www.jst.go.jp/shincho/program/corefacility.html>

- “Science Revitalization Proposal” (Expert Panel on Science Revitalization, November 18, 2025)

[https://www.mext.go.jp/b\\_menu/shingi/chousa/gijiyutu/042/mext\\_00002.html](https://www.mext.go.jp/b_menu/shingi/chousa/gijiyutu/042/mext_00002.html)

- “Policy for the Future to Renew Advanced Research Infrastructure to Maximize Research Creativity and Efficiency.” (Council for Science and Technology, Research and Development Infrastructure Subcommittee, Committee for the Strengthening of Advanced Research and Development Infrastructure, July10, 2025)

- [https://www.mext.go.jp/content/20250710-mxt\\_kibanken01-000043663\\_1.pdf](https://www.mext.go.jp/content/20250710-mxt_kibanken01-000043663_1.pdf)

#### **4.13 Improving the Treatment of Doctoral Students**

In order to enhance financial support for graduate students, especially doctoral students, and thereby attract excellent students and working people from Japan and abroad, the “6th Science, Technology and Innovation Basic Plan” (Cabinet decision on March 26, 2021) calls for a threefold increase in the number of doctoral students receiving an amount equivalent to living expenses (equivalent to about 30% of doctoral students receiving an amount equivalent to living expenses). It also states that “in order to promote the payment of salaries at an appropriate level as research assistants (RA) to doctoral students from competitive and joint research funds, rules for RA expenses related to employment and honorarium for RAs, etc. shall be established for each project and at each

university, and implemented beginning in FY2021.” The Plan requires universities and R&D corporations to expand employment of doctoral students as RAs and improve their compensation.

Furthermore, the "Guidelines for Employment and Training of Postdoctoral Fellows" (Human Resources Committee, Council for Science, Technology and Science on December 3, 2020) state that doctoral students "are not only students but also researchers, and it is an important responsibility of universities to provide an environment for research activities and to ensure their treatment as researchers. It is particularly important to treat them in a manner that appropriately evaluates their contributions, such as by setting compensation commensurate with the nature and content of their work and paying them a salary commensurate with the hours they work under appropriate work management", and "universities and other institutions need to include the cost of hiring RAs as direct costs when applying for competitive research funds, and review their internal regulations to ensure that RAs are compensated at an appropriate level.”

Based on the above, in this program, please actively employ doctoral students as RAs, etc., who are necessary to conduct R&D, and set a unit price appropriate to the nature and content of the work, and pay them according to the hours they work under appropriate work management. When applying for this program, please also consider the above-mentioned amount of salary for doctoral students in your budget plan.

(Notes)

- The “6th Science, Technology, and Innovation Basic Plan” stipulates that the amount equivalent to living expenses for doctoral students should be at least 1.8 million yen per year, and the amount of research grants for excellent doctoral students should be increased to 2.4 million yen per year, which is equivalent to the amount of special research fellowships (DC), so that they can concentrate on research without financial concerns.
- The "Guidelines for Employment and Training of Postdoctoral Fellows" stipulates that, with regard to the treatment of postdoctoral students hired to carry out research projects, "Taking into consideration the average salary of specially-appointed assistant professors employed with competitive research funds, etc., the payment of an hourly rate of around 2,000 to 2,500 yen\* is considered standard.”

(\*) Considering the average salary of specially-appointed assistant professors, etc., who are employed by competitive research funds, the standard hourly wage is considered to be 2,000 yen to 2,500 yen for doctoral students in the latter half of the doctoral course (calculated in the

"Survey on the Employment Status of Faculty Members at Research Universities (Preliminary Report)" published in August 2020 for the median monthly salary of specially appointed assistant professors in the category (between 400,000 yen and 450,000 yen): the actual working days (19 to 20 days), excluding holidays, is divided by the number of hours worked (7 hours 45 minutes to 8 hours), then multiplying by 0.8 to account for doctoral student status.

- Salary and employment period specifics are to be determined by the research institution, and are not limited to the above levels.
- When employing students as RAs, etc., please avoid having them work excessive hours, and balance the hours with the doctoral students' own research and study hours.

#### **4.14 Ensuring a Self-Sustaining, Stable Research Environment for Young Researchers**

With regard to terms for postdoctoral researchers, the "Guidelines for Employment and Training of Postdoctoral Fellows" (The Committee on Human Resources, Council for Science and Technology, December 3, 2020) state that "Although many postdoctoral researchers are employed for periods less than three years, employment terms that are too short can damage career development, and terms that enable postdoctoral researchers to settle down for a given period of time and concentrate on their research activities need to be secured"; and that "Taking into consideration the fact that it is desirable for researchers to advance to the next step after gaining experience as a postdoc at one or two institutions over a period of around three to seven years up to their mid-30s, it is desirable to secure terms for each post of around three to five years.

In regard to national university corporations and inter-university research institute corporations, the "Guidelines for reform of personnel and salary management in national university corporations, etc.: Toward building attractive personnel and salary management effective for improving education and research capabilities" (Ministry of Education, Culture, Sports, Science and Technology, February 25, 2019) state that "to meet two requirements, 'fostering young teachers and securing stable employment,' there is a need to promote an institutional design that takes into account the development of researchers while maintaining mobility, for example, by securing a certain period of employment, on the order of 5 to 10 years, even in fixed-term posts using highly flexible expenses such as indirect costs or donations."

Based on these points, when the project in this program hires young researchers such as research assistants or postdoctoral researchers, in addition to attempting to secure the period of employment

up to the stage-gate as the length of term while making confirmation with the personnel and accounting staff in the administrative departments, a certain period of employment should be ensured as much as possible by using external funds that include indirect costs, basic research funds, and donations so that the term is not too short.

#### **4.15 Promotion of Research That Addresses Gender Equality, Human Resource Development, Gender etc.**

Through initiatives such as The “6th Science and Technology Innovation Basic Plan” (approved by the Cabinet on March 26, 2021), “5th Basic Plan for Gender Equality (approved by the Cabinet on December 25, 2020),” and “Policy Package on Education and Human Resource Development for the Realization of Society 5.0 (decided by the Council for Science, Technology and Innovation on June 2, 2022), the government is working to create a research environment where both men and women can easily continue their research activities even after life events such as childbirth, childcare, and nursing care, and promote the appointment of excellent female researchers as project leaders. Furthermore, through efforts to convey the appeal of science and engineering to female junior and senior high school students, including their parents and teachers, efforts are being made to increase the percentage of women entering master's and doctoral programs, mainly in science and engineering, to overcome the low rate of women entering doctoral programs in the natural sciences, and to increase the number of potential bearers of knowledge in Japan.

In addition, if gender differences are not taken into account in the research and development process, which they should be, they may have inappropriate effects when attempting to use the results of that research to solve social problems. It is therefore necessary to conduct research and technological development that appropriately takes into account gender differences such as body size, structure, and functions.

In light of [https://www8.cao.go.jp/cstp/tougosenryaku/togo2024\\_zentai.pdf](https://www8.cao.go.jp/cstp/tougosenryaku/togo2024_zentai.pdf) of the above, this program will also take into consideration efforts to promote the activities of female researchers and to expand the base of human resources who will be responsible for science and technology in the future.

- Please account for gender differences when conducting research and development that, due to a failure to take into account gender differences such as those involving body size, structure, and functions, could result in inappropriate effects on society when the effects of that R&D are socially implemented.

- The cost of online classes and delivery lectures on science, physics, chemistry, etc. at elementary, junior high, and high schools by PhDs in science and mathematics, etc., can be paid from direct costs.
- Expenses for distributing R&D results as contents easily understood by junior high and high school students, etc. via SNS, etc. can be paid out of direct costs.
- The above two outreach activity results can be included in the report of research and development results and will be subject to positive evaluation. In addition, the above two outreach activities can be included in the R&D plan and will be subject to positive evaluation during the screening process.

In addition, research and technological development that appropriately consider biological sex and social and cultural gender should be conducted.

- R&D conducted without considering these factors may have inappropriate effects when implemented in society. Therefore, examine the roles involved in research and development and implement them while considering sex and other factors as necessary.

#### **4.16 Voluntary Research Activities of Young Researchers Employed to Implement the Project**

In accordance with the "Implementation Policy on Voluntary Research Activities by Young Researchers Employed for the Implementation of Projects Funded by Competitive Research Funds" (revised on December 18, 2020, by the Liaison Committee among Ministries and Agencies on Competitive Research Funds), young researchers employed for this program may be compensated from personnel expenses for this program and a portion of their efforts toward this program may be considered voluntary research activities and efforts to improve management capabilities. This applies only when the Principal Investigator finds that such activities will advance, and not impede, the project, and that approval is obtained from the R&D organization to which the researcher belongs. Please refer to the following for more information.

- "Implementation Policy on Voluntary Research Activities by Young Researchers Employed for the Implementation of Projects Funded by Competitive Research Funds "[Liaison Committee among Ministries and Agencies on Competitive Research Funds (amended December 18, 2020)].

<https://www8.cao.go.jp/cstp/compefund/jisshishishin.pdf>

- "Working with the Strategic Basic Research Program for Advanced Technologies for Carbon Neutrality (ALCA-Next) with regard to the 'Implementation Policy on Voluntary Research Activities by Young Researchers Employed for the Implementation of Projects Funded by Competitive Research Funds'" (August 17, 2023).

[https://www.jst.go.jp/alca/dl/senjukanwa\\_houshin.pdf](https://www.jst.go.jp/alca/dl/senjukanwa_houshin.pdf)

#### **4.17 Supporting Diverse Career Paths for Young Researchers**

The "6th Science, Technology and Innovation Basic Plan" (approved by the Cabinet on March 26, 2021) sets forth the goal of creating "an environment in which talented young people can develop their careers in various fields, including academia, industry, and government. Furthermore, the "Guidelines for Employment and Training of Postdoctoral Fellows" (December 3, 2020, Human Resources Committee, Council for Science, Technology and Science) states that "It is essential that doctoral candidates who have acquired advanced expertise and excellent research capabilities play an active role in various fields in society, including venture companies and global companies, to create innovation, and it is important that they pursue a variety of career paths after they receive their PhD. In light of this, when young researchers such as specially-appointed professors and postdoctoral fellows are employed using public research funds (competitive research funds, other project research funds, and publicly solicited education and research funds for universities) after being selected for this call, we ask for your active efforts to support them in securing a variety of career paths.

In addition, please consider utilizing indirect costs for such initiatives.

#### **4.18 Securing R&D management personnel such as URA**

The "6th Science and Technology Innovation Basic Plan" (Cabinet decision on March 26, 2021) indicated the importance of quality assurance and treatment improvement as professionals so that R&D management personnel, such as URA, become an attractive job position. Furthermore, the "Comprehensive Package for Strengthening Research Capabilities and Supporting Young Researchers" (Comprehensive Council for Science, Technology, and Innovation, January 23, 2020) indicated the need to establish career paths for R&D management personnel and engineers.

In addition, the "Guidelines on the Personnel System of Research and Development Management Human Resources" (June 2025, Council for Science and Technology, Human Resources Committee)

states explicitly that R&D management personnel are crucial not just as contributors to research outcomes, partnering with researchers, but also for performing overall R&D management tasks related to the organizational operations of the research universities and similar institutions, such as the systematic procurement and management of research funds and personnel, and participation in the formulation of management strategies. Furthermore, research universities, etc. are expected, in addition to securing and developing management personnel, to review the division of responsibilities among researchers, administrative staff, and specialized personnel in the institution to create an environment wherein research and management personnel can work with more motivation and allow researchers to focus more fully on their research, thereby further strengthening the roles expected of research universities, etc.

Based on the above, when R&D management personnel such as URAs employed or newly hired by the R&D institution are engaged in the management of the R&D program in this program, the R&D institution should try to secure fixed terms and avoid short terms to the extent possible by utilizing this program and other external funds, such as indirect costs, basic costs, and donations.

Furthermore, as support for securing career paths for these R&D management personnel, proactive efforts such as engaging them in necessary training, etc. are requested. Institutions should also consider using indirect costs in these efforts.

#### **4.19 Promotion of dialogue and collaboration with public stakeholders**

The Promotion of “Science and Technology Dialogue with the People” (Basic Initiative Policy) (decision by the Minister of State for Science and Technology Policy and expert members of Council for Science and Technology on June 19, 2010) stated that passing on the results of science and technology to the people, gaining the understanding and support of the people, and working together to promote science and technology are essential for producing excellent results continually in science and technology and developing the country’s science and technology. If selected in this call for applications, and annual public research funding of 30 million JPY or more is received, JST requests that the researchers actively engage in “science and technology dialogue with the public,” such as public lectures on research results, symposiums, continuous distribution of research results on the Internet, and roundtable discussions involving diverse stakeholders.

(Reference) Promotion of “Science and Technology Dialogue with the People” (Basic Initiative

Policy):

[https://www8.cao.go.jp/cstp/stsonota/taiwa/taiwa\\_honbun.pdf](https://www8.cao.go.jp/cstp/stsonota/taiwa/taiwa_honbun.pdf)

Additionally, the “6th Science and Technology Innovation Basic Plan” (Cabinet decision on March 26, 2021) states the need for the co-creation of knowledge and strengthening of science and technology communication through the participation of diverse entities such as citizen participation. The following examples provided by JST are “interactive dialogue and cooperation among diverse subjects.”

- Science Agora:

<https://www.jst.go.jp/sis/scienceagora/>

- National Museum of Emerging Science and Innovation (Miraikan):

<https://www.miraikan.jst.go.jp/>

#### **4.20 Promotion of Open Science**

##### (1) JST's Open Science Policy

JST established its basic policy for open science promotion in April 2017, with revisions in April 2022 and April 2025. This policy sets forth the basic concept of making research papers open access and storing, managing, and disclosing research data in the research activities of this program.

This policy requires research papers from this program to be published through institutional repositories or open access publications. Peer-reviewed papers must be published within 12 months. Additionally, for certain programs designated by national policy, immediate open access to academic papers, etc., as shown in (2) below, is required.

Moreover, based on the data policy of the R&D institution, researchers must create a Data Management Plan (\*1) that describes the policy and plan regarding the storage/management and disclosure/non-disclosure of research data generated through the R&D activities, submit it to JST upon request, and undertake the R&D activities after implementing the storage, management, and release of research data based on this plan. The plan may be modified during the research process. Furthermore, metadata (\*1) specified by JST must be assigned to the data to be managed as specified in the Data Management Plan. Managed data to which metadata has been added must be appropriately included in the institutional repository specified by each R&D institution or the research data infrastructure system operated by the National Institute of Informatics. If your institution does

not have an institutional repository and you cannot find an appropriate repository for storage, please use GRANTS Data (<https://grantsdata.jst.go.jp>), which JST started operating in November 2025.

Please see the following for details:

- “JST’s Basic Policy Regarding the Handling of Research Results for Open Science Promotion”
- “JST’s Basic Policy Operation Guidelines Regarding the Handling of Research Results for Open Science Promotion”

(\*1) Items to be included in the Data Management Plan and metadata items are described in this guideline.

<https://www.jst.go.jp/all/about/houshin.html#houshin04>

- Research DX Digital Transformation Open Science (Cabinet Office)

<https://www8.cao.go.jp/cstp/kenkyudx.html>

- “Basic Approach to Management and Utilization of Publicly Funded Research Data”

(Integrated Innovation Strategy Promotion Council):

<https://www8.cao.go.jp/cstp/tyousakai/kokusaioopen/sanko1.pdf>

- “Common metadata items in ‘Basic Approach to Management and Utilization of Publicly Funded Research Data’” (as of January, 2026):

[https://www8.cao.go.jp/cstp/common\\_metadata\\_elements.pdf](https://www8.cao.go.jp/cstp/common_metadata_elements.pdf)

JST may analyze statistical data, such as the number of data modules, the type of data, the type of disclosure, and the location of storage, to understand the contents of the description, support researchers, and reflect (revise) the basic policies. The statistical data analyzed will be made public, but no information that allows identification of the names will be disclosed.

\*As for life science data, please also refer to “[4.22 Data Disclosure in the Life Sciences](#)”

## (2) Immediate Open Access to Academic Papers and Other Materials

There is a progressing international movement toward making research results openly available in pursuit of global knowledge sharing. Through the promotion of open access via academic paper publication and related activities, research results are expected to be widely returned to the public and to contribute to the creation of S&T and innovation and to solving challenges on a global scale.

Under Japanese government policy, peer-reviewed academic papers and supporting data (\*3) created with funding from Strategic Basic Research Programs (\*2) and the Fusion Oriented

REsearch for disruptive Science and Technology Program (FOREST), which are calling for new proposals from FY2025, must be included in “institutional repositories and other information infrastructure” immediately (\*4) after publication in an academic journal, in accordance with the Basic Policy on Promoting Open Access to Publicly Funded Scholarly Publications and Scientific Data (Decision by Integrated Innovation Strategy Promotion Council, February 16, 2024) (hereinafter “Basic Policy”) and the Specific Measures for the Implementation of the Basic Policy on Promoting Open Access to Publicly Funded Scholarly Publications and Scientific Data (Decision by Integrated Innovation Strategy Promotion Council, February 16, 2024) (Revised October 8, 2024, Agreement among Related Ministries) (hereinafter “Specific Measures”).

Here, “institutional repositories and other information infrastructure” refers to systems that enable academic papers and supporting data to be searchable on the NII Research Data Cloud (\*5). Research outcome information entered in performance reports and related documents submitted after the fiscal year has finished will be provided to the NII Research Data Cloud through e-Rad. When necessary information is included, this enables the research outcome information to become searchable on the NII Research Data Cloud.

Additionally, to track the status of open access implementation, items of research outcome information included in performance reports and related documents are being added and modified. In addition to existing items, it is necessary to enter information about whether the work is subject to immediate open access requirements, whether immediate open access has been implemented, reasons why immediate open access is difficult (if it has not been implemented), and identifiers such as URLs for the landing pages of “institutional repositories and other information infrastructure” that include academic papers and supporting data.

- Basic Policy on Promoting Open Access to Publicly Funded Scholarly Publications and Scientific Data (Decision by Integrated Innovation Strategy Promotion Council, February 16, 2024)  
URL : [https://www8.cao.go.jp/cstp/oa\\_240216.pdf](https://www8.cao.go.jp/cstp/oa_240216.pdf)
- Specific Measures for the Implementation of the Basic Policy on Promoting Open Access to Publicly Funded Scholarly Publications and Scientific Data (Decision by Integrated Innovation Strategy Promotion Council, February 16, 2024) (Revised October 8, 2024, Agreement among Related Ministries)  
URL: [https://www8.cao.go.jp/cstp/openscience/r6\\_0221/hosaku.pdf](https://www8.cao.go.jp/cstp/openscience/r6_0221/hosaku.pdf)

- FAQ on the Basic Policy on Promoting Open Access to Publicly Funded Scholarly Publications and Scientific Data and the Specific Measures for Its Implementation

URL: [https://www8.cao.go.jp/cstp/oa\\_houshin\\_faq.pdf](https://www8.cao.go.jp/cstp/oa_houshin_faq.pdf)

When addressing immediate open access for academic papers, etc., if your affiliated institution does not have an institutional repository in place, please use JST's Jxiv (<https://jxiv.jst.go.jp/index.php/jxiv/index>) for academic papers (including electronic appendices); foundational data should be deposited in repositories such as the aforementioned GRANTS Data (<https://grantsdata.jst.go.jp>).

(\* 2) Excludes this program and the Cutting-edge Research and Development on Information & Communication Sciences (CRONOS) among the Strategic Basic Research Programs.

(\* 3) The Basic Policy states that "Immediate open access applies to peer-reviewed academic papers (peer-reviewed research papers published in electronic journals, including author final manuscripts) and supporting data (research data required to be published from the perspective of ensuring transparency and reproducibility, as specified in the journal's submission guidelines, publication rules, and other such requirements)."

(\* 4) The Specific Measures state that "The word "immediate" in "immediate open access" in the Basic Policy means there is no embargo period after the publication in academic journals of academic papers and supporting data created with applicable competitive research funding. Here, "publication in academic journals" refers to the publication of academic papers in electronic form in academic journals; when an academic paper is published electronically ahead of determination of the journal volume, issue, and page numbers, that point in time constitutes "publication in academic journals." Additionally, there are no specific regulations regarding the time required for the procedures to include a paper, etc. in institutional repositories and other information infrastructure after journal publication, as this varies depending on institutional systems. However, as a guideline, availability in institutional repositories and other information infrastructure is desirable within approximately three months of journal publication."

(\* 5) "Overview of NII Research Data Cloud" (National Institute of Informatics Research Center for Open Science and Data Platform) (<https://rcos.nii.ac.jp/service/>)

#### 4.21 Inclusion of systematic numbers in paper acknowledgments

When presenting the R&D outcomes obtained through this program, please indicate the receipt of the grant through this program.

If mentioning in the Acknowledgment of the paper that it was funded by this Program, please include “JST-ALCA-Next Program Grant Number (10-digit systematic number).” The 10-digit systematic number in this program is in the form of JPMJ + AN + four-digit alphanumeric. A notification of the systematic number will be made at the time of selection.

Examples of how to use the systematic number in the Acknowledgement of the paper are illustrated below:

[English]

This work was supported by JST-ALCA-Next Japan Grant Number JPMJANxxxx.

[Japanese]

本研究は、JST 戦略的創造研究推進事業 ALCA-Next JPMJANxxxx の支援を受けたものです。

\*If you have two programs or more in relation to a paper, list all the names of the programs and the systematic numbers.

#### 4.22 Data Disclosure in the Life Sciences

Under “Improving Research Abilities in Life Sciences Research (Interim Summary)” (July 31, 2024), it is recognized that with the progress of data-driven research in life sciences, it is important to advance data sharing while taking into account global trends and providing a life sciences research database.

Based on this objective, we request your cooperation in the registration and publication of the following integrated tools in order to promote the sharing and use of databases in the field of life sciences newly built by this program and the data contained in them in life sciences research.

The National Bioscience Database Center (NBDC) of JST has proceeded with the Integration of Life Science Database Project (<https://biosciencedbc.jp/>) to promote the integrated use of databases in the life sciences field created by various R&D institutions and others.

Further, the “Progress and Future Direction of the Integration of Life Science Database Project” (January 17, 2013) states that the NBDC (currently Office of NBDC Program, Department for Information Infrastructure) will play a central role in expanding the target programs for which data and databases will be provided.

No.	Type of data	Site of disclosure	URL for the site of disclosure
1	Overview of public databases that have been built	Integbio Database Catalog	<a href="https://catalog.integbio.jp/dbcatalog/">https://catalog.integbio.jp/dbcatalog/</a>
2	Data recorded in public databases that have been built	Life Science Database Archive	<a href="https://dbarchive.biosciencedbc.jp/">https://dbarchive.biosciencedbc.jp/</a>
3	Nucleotide sequence information and other general research results data using human samples	NBDC Human Database	<a href="https://humandbs.dbcls.jp/">https://humandbs.dbcls.jp/</a>

#### 4.23 National BioResource Project

The National BioResource Project has contributed to Japanese life science research by collecting and preserving essential bioresources at core facilities and providing them to universities and research institutes. To maintain this contribution, continuous collection of useful bioresources is necessary.

Please deposit\* any available bioresources developed in this program that fall under NBRP coverage.

We recommend using existing NBRP bioresources including animals, plants, microorganisms, cells, genetic materials and information for efficient research.

\*Deposition means a procedure that allows the use, storage and distribution of resources in this program without transferring related rights. Specific conditions for provision can be set in the deposit agreement, allowing conditions such as restrictions on use and paper citation requirements to be applied to users.

NBRP Core Facility Programs: List of Covered Bioresources and Core Institutes

<https://nbrp.jp/en/resource/>

#### 4.24 Accreditation of Partnership on Research Assistance Service

The Ministry of Education, Culture, Sports, Science and Technology established the Accreditation of Partnership on Research Assistance Service (A-PRAS) in 2019 to improve the research environment for researchers, accelerate the promotion of science, technology, and innovation in Japan, and provide support for the development of various initiatives related to research support

services. Under this system, research support services provided by private business operators that meet specific requirements are accredited as a “Research support service/partnership” by the Minister of Education, Culture, Sports, Science and Technology. 18 services have been certified as of April 2025. Various services, including searching for co-researchers, publicizing and programming research results, and procuring research funds and equipment, are available. Therefore, please do not hesitate to use them.

Details of each certified service can be found on the Ministry of Education, Culture, Sports, Science and Technology website:

[https://www.mext.go.jp/a\\_menu/kagaku/kihon/1422215\\_00001.htm](https://www.mext.go.jp/a_menu/kagaku/kihon/1422215_00001.htm)

#### **4.25 Reformation of competitive research funds**

Currently, the systems of competitive research funding are being discussed by the government of Japan under the scope of the “6th Science and Technology Innovation Basic Plan”, “Integrated Innovation Strategy 2025”, and the “Comprehensive Package for Strengthening Research Capabilities and Supporting Young Researchers” to enable the efficient and effective use of research funds. If, within the call period, policies common to other competitive research funding programs are presented regarding the improvement and operation of these systems, JST will notify the researchers again when this policy is applied to calls and operations of this program.

#### **4.26 Guidelines for the Management and Audit of Public Research Funds in Research Institutions (Practice Standards)**

##### **(1) System implementation of the “Guidelines for the Management and Audit of Public Research Funds in Research Institutions (Practice Standards)”**

R&D institutes receiving or expecting to receive public research funds must comply with the Guidelines for Management and Audit of Public Research Funds in Research Institutes, revised on February 1, 2021\*.

The R&D institutions, having implemented a system for managing and auditing public research funds, are responsible for making every effort to disburse the research funds appropriately in line with the aforementioned guidelines. If the Ministry of Education, Culture, Sports, Science and Technology decides that the system of the R&D institution for managing and auditing is insufficient, based on an investigation according to the said guidelines, measures may be taken, such as a

reduction of indirect costs, including all competitive research funds allocated by the Ministry of Education, Culture, Sports, Science and Technology and independent administrative agencies under the jurisdiction of the Ministry of Education, Culture, Sports, Science and Technology.

\*Please refer to the Ministry of Education, Culture, Sports, Science and Technology website for the "Guidelines for the Management and Audit of Public Research Funds in Research Institutions (Practice Standards)":

[https://www.mext.go.jp/a\\_menu/kansa/houkoku/1343904\\_21.htm](https://www.mext.go.jp/a_menu/kansa/houkoku/1343904_21.htm)

(2) Submission of the "Self-Evaluation Checklist for Implementation of Proper Systems" based on "Guidelines for the Management and Audit of Public Research Funds in Research Institutes (Practice Standards)"

To conclude an agreement for this program, each R&D institute must establish a management and auditing system for R&D funds based on these guidelines and submit a Self-Evaluation Checklist reporting the system status. (Agreement will not be approved unless the Checklist is submitted.)

Therefore, after April 1, 2026, please review the MEXT website content below, download the Checklist form from e-Rad, complete all required sections, and submit (upload) it through e-Rad to the Competitive Research Funding Coordination Office attached to the Counselor (Research Environment Officer) of the Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology before concluding the research agreement.

R&D institutes that have submitted the FY2025 Checklist may proceed with agreements. However, they must complete the FY2026 Checklist procedures by December 1, 2026.

This procedure must continue throughout the period when institutes receive and manage competitive research funds from MEXT and its administrative agencies.

Institutes not receiving competitive funding from MEXT or its administrative agencies, such as cooperative institutions not receiving research funds, do not need to submit a Checklist.

Please refer to the Ministry of Education, Culture, Sports, Science and Technology website below for more information on this matter, including the above points:

(The following URL is the submission request for 2025. When creating the checklist, please confirm the submission request for the correct year.)

[https://www.mext.go.jp/a\\_menu/kansa/houkoku/1324571.htm](https://www.mext.go.jp/a_menu/kansa/houkoku/1324571.htm)

As the guidelines include the perspective of “promotion of information dissemination and sharing,” JST requests that efforts to prevent misconduct be posted on the applicable R&D institution’s website and that the information be actively disseminated.

#### **4.27 Dealing with Misuse and Improper Payments**

The following measures will be strictly applied to the improper use of R&D funds and the improper receipt of R&D funds (hereinafter referred to as "improper use, etc.").

- Actions to be taken when an improper use of R&D funds is discovered

- (i) Measures such as cancellation of contract

For projects that are found to have engaged in the improper use, etc. of funds, JST will cancel or modify the R&D agreement, and request that the institution return all or part of the funds. In addition, no R&D agreement may be concluded for the next and subsequent fiscal years.

- (ii) Measures such as restrictions on application and participation (\*1)

Researchers who have engaged in the improper use, etc. of R&D funds of the program (including those who conspired with the researcher; "researchers who engaged in misuse, etc.") shall be deemed to have committed the misuse, etc. of the R&D funds of the Program and researchers who have not conducted but have violated their duty of care (\*2), will be restricted from applying for and participating in this program or will be given a strict warning, depending on the degree of misconduct, as shown in the table below.

In addition, by providing a summary of such improper use, etc. (name of the researcher who committed the improper use, project name, affiliation, research subject, budget amount, research year, details of the improper use, and details of measures taken) to other competitive research funders, including other ministries, the application and eligibility for participation in other competitive research funding systems, including those of other ministries, may be restricted.

\* 1 "Application and participation" refers to proposing, applying for, or submitting a new proposal, participating in new research as a co-researcher, etc., or participating in an ongoing research project as a Principal Investigator or Co-Principal Investigator, etc.

- \* 2 "Researchers who have violated the duty of care" refers to a researcher who has violated the duty to conduct the project with the care of a good manager, although he/she has not been found to have been involved in improper use, etc.

Persons subject to application restrictions related to unauthorized use and unauthorized receipt of funds	Degree of improper use	Application Restriction Period* <sup>3,4</sup>	
Researchers who misused funds and those who conspired with them* <sup>1</sup>	1 Private appropriation for personal gain	10 years	
	2 Other than 1	(1) Those with a significant impact on society and the malignancy of the act is judged to be high	5 years
		(ii) Items other than (i) and (iii)	2-4 years
		(iii) Those whose impact on society is deemed to be small and the malignancy of the act is deemed to be low.	1 year
Researchers who have received competitive research funds through deception or other dishonest means, and researchers who have conspired with them		5 years	
Researchers who were not directly involved in the misuse but violated their duty of care * <sup>2</sup>		Maximum of 2 years and minimum of 1 year, depending on the degree of breach of duty by the researcher who has a duty of care.	

\* 3 In the following cases, the application and eligibility will not be restricted and the applicant will be issued a severe warning.

- In the case of \*<sup>1</sup>, if the impact on society and the maliciousness of the act are judged to be low, and if the amount of improper use is small.

- In the case of \*2, if the impact on society is judged to be small and the maliciousness of the act is judged to be low.
- \* 4 In principle, the period of limitation on participation will be counted from the fiscal year following the fiscal year in which the improper use of research funds is recognized and the research funds are returned. Eligibility will also be restricted for the fiscal year in which the improper use of research funds is found to have occurred.

(iii) Disclosure of fraud cases

In principle, for researchers who have conducted improper use of R&D funds or violated their duty of care, and whose application and participation in this program have been restricted, a summary of the misconduct case (name of researcher, project name, affiliation, research year, details of misconduct, and details of measures taken) will be made public at JST. In principle, report will also be made to MEXT.

In addition, according to the "Guidelines for Management and Audit of Public Research Funds at Research Institutes (Implementation Standards)," if fraud is found as a result of an investigation, the R&D institute is required to promptly disclose the results of the investigation.

Please refer to the following web page for an overview of the current MEXT publication on fraud cases.

[https://www.mext.go.jp/a\\_menu/kansa/houkoku/1364929.htm](https://www.mext.go.jp/a_menu/kansa/houkoku/1364929.htm)

#### **4.28 Measures for Researchers whose Applications and Eligibility are Restricted under Other Competitive Research Funding Programs**

Researchers who have been restricted under other competitive research funding programs\*, including those of other ministries, due to misuse of research funds, etc., will be restricted from applying for and participating in this Program for the period during which their eligibility is restricted under the other competitive research funding programs.

The "other competitive research funding programs" include those that will begin accepting applications in FY2026 or later. The programs that ended before FY2025 are also included.

\*Please refer to the following web page for the specific programs that are currently covered.

<https://www8.cao.go.jp/cstp/compefund/>

#### **4.29 Measures to be Taken in Case of Violation of Related Laws and Regulations**

In the event of a violation of relevant laws, regulations, guidelines, etc., the researcher will be subject to disciplinary action and penalties in accordance with related laws and regulations, and the allocation of R&D funds may be suspended or the decision to allocate R&D funds may be revoked.

#### **4.30 Guidelines for Responding to Misconduct in Research**

##### (1) System implementation based on “Guidelines for Responding to Misconduct in Research”

In applying to this Program and conducting R&D activities, R&D institutions must adhere to the “Guidelines for Responding to Misconduct in Research” (decision by the Minister of Education, Culture, Sports, Science and Technology on August 26, 2014) (\*).

If the Ministry of Education, Culture, Sports, Science and Technology decides that the system of the R&D institution for managing and auditing is insufficient, based on an investigation according to the guidelines, measures may be taken, such as a reduction of indirect costs, including all competitive research funds allocated by the Ministry of Education, Culture, Sports, Science and Technology and independent administrative agencies under the jurisdiction of the Ministry of Education, Culture, Sports, Science and Technology.

Please refer to the Ministry of Education, Culture, Sports, Science and Technology website for the “Guidelines for Responding to Misconduct in Research”:

[https://www.mext.go.jp/b\\_menu/houdou/26/08/1351568.htm](https://www.mext.go.jp/b_menu/houdou/26/08/1351568.htm)

##### (2) Submission of the “Checklist regarding the Status of Efforts based on the Guidelines for Responding to Misconduct in Research”

When concluding an agreement for this program, R&D organizations must submit a Checklist regarding the Status of Efforts (“Research Misconduct Checklist”) based on the “Guidelines for Responding to Misconduct in Research” (agreement will not be approved unless the Research Misconduct Checklist is submitted).

Accordingly, after April 1, 2026, researchers should check the contents of the website below and download the FY2026 version of the Research Misconduct Checklist form from e-Rad, fill out the necessary sections, and submit it (upload it) via e-Rad to the Competitive Research Funding Coordination Office attached to the Counselor (Research Environment Officer) of the Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology before

the conclusion of the R&D agreement.

Furthermore, R&D institutions that have already submitted the FY2025 version of the Research Misconduct Checklist will be approved for an agreement regardless of the above. Nevertheless, in this case, then please submit the FY2026 version of the Research Misconduct Checklist by September 30, 2026.

In principle, institutions not receiving competitive funds from the Ministry of Education, Culture, Sports, Science and Technology or administrative agencies under its jurisdiction through a budget allocation or budgetary measures need not submit the Research Misconduct Checklist.

Please refer to the Ministry of Education, Culture, Sports, Science and Technology website below for more information on the Research Misconduct Checklist:

[https://www.mext.go.jp/a\\_menu/jinzai/fusei/1368875\\_00002.htm](https://www.mext.go.jp/a_menu/jinzai/fusei/1368875_00002.htm)

(When creating the checklist, please confirm the submission request for the correct year.)

(\*1) An environment in which e-Rad can be used is necessary for submission of the Research Misconduct Checklist. The R&D institutional registration process for e-Rad requires approximately two weeks. See the URL below for details of the procedure related to the use of e-Rad:

<https://www.e-rad.go.jp/organ/index.html>

(\*2) Institutions that conduct research activities that receive budget allocations or measures from the Ministry of Education, Culture, Sports, Science and Technology and the independent administrative agencies under its jurisdiction must submit a Research Misconduct Checklist by September 30 of each fiscal year (or the immediately preceding business day if September 30 falls on a Saturday, Sunday, or holiday) while conducting the relevant research activities.

(3) Measures Taken for Misconduct in Research Activities based on the “Guidelines for Responding to Misconduct in Research”

Misconduct in R&D activities in this program is treated strictly as described below.

(i) Measures to cancel agreements

If the specified misconduct (fabrication, falsification, and plagiarism) is identified in the R&D project of the program, the commissioned agreement is canceled or altered, and a refund of all

or part of the commissioned funds is requested. Agreements from the following fiscal year onward may not be concluded.

(ii) Measures to restrict application and participation\* eligibility

Measures given in the table below, depending on the level of inappropriateness and responsibility of the specified misconduct, to restrict application to and participation in this program are imposed upon researchers involved in specific misconduct in research papers or reports of this program and those whose involvement has not been established but who are found responsible to an extent for the violation of due care as a prudent manager of pertinent papers and reports.

Further, if measures to restrict application and participation eligibility are taken, information is provided to pertinent sections of competitive research funding systems distributed by the Ministry of Education, Culture, Sport, Science and Technology and independent administrative agencies of the ministry (henceforth referred to as “other competitive research funding systems related to the Ministry of Education, Culture, Sport, Science and Technology”) and pertinent sections of competitive fund systems distributed by other ministries and their independent administrative agencies (henceforth referred to as “competitive research funding systems related to other ministries and agencies”), which may similarly restrict application and participation eligibility in other competitive research funding systems related to the Ministry of Education, Culture, Sport, Science and Technology and other ministries.

(\*) “Application and participation” refers to proposing, applying for, or submitting a new proposal, participating in new research as a co-researcher, or participating in an ongoing research project (ongoing project) as a PI or co-researcher.

Classification of people with submission restriction due to involvement with specified misconduct		Extent of specified misconduct	Submission restriction period*	
People involved in specific misconduct	1. Particularly malicious person who, from the beginning of the research, intended to commit specified misconduct		10 years	
	2. Author of the paper that is the product of research with specified misconduct	Authors of the paper responsible for its content (supervisor, representative author, or others identified to be equally responsible for the paper)	Misconduct has a large impact on the development of research in the relevant field, or the maliciousness of the misconduct is judged to be high	5–7 years
			Misconduct has a small impact on the development of research in the relevant field, or the maliciousness of the misconduct is judged to be low	3–5 years
		Authors other than the above		2–3 years
	3. Person who engaged in specified misconduct other than those of 1. and 2.		2–3 years	

Author who was not involved in the specified misconduct but was responsible for the paper of the research involving specified misconduct (supervisor, representative author, or others identified to be equally responsible for the paper)	Misconduct has a large impact on the development of research in the relevant field, or the maliciousness of the misconduct is judged to be high	2–3 years
	Misconduct has a small impact on the development of research in the relevant field, or the maliciousness of the misconduct is judged to be low	1–2 years

\* As a general rule, the submission restriction period is calculated as starting from the fiscal year following the fiscal year in which the specified misconduct is identified. The researcher is also ineligible in the fiscal year in which the specified misconduct is identified.

(iii) Measures against researchers whose application and participation eligibility has been restricted under other competitive research funding systems

For researchers whose application and participation eligibility has been restricted due to specified misconduct in research activities in other competitive research funding systems related to the Ministry of Education, Culture, Sports, Science and Technology, grants for operating expenses to national university corporations, inter-university research institute corporations, and independent administrative agencies under the jurisdiction of the Ministry of Education, Culture, Sports, Science and Technology, basic expenses such as private school grants, and competitive research funding systems related to other ministries, this restriction period will also apply as the application and participation eligibility restriction period for this

program.

Notably, “other competitive research funding systems related to the Ministry of Education, Culture, Sports, Science and Technology” and “competitive research funding systems related to other ministries and agencies” include systems that will newly start calling from FY2026 onward. This also covers systems that ended before FY2025.

(iv) Public announcement of case of specified misconduct

In the event of misconduct in R&D activities in this program, as a general rule, JST will publicly announce the contents of the applicable case (name of misconduct, type of misconduct, program name, summary of misconduct case, measures taken by JST). The Ministry of Education, Culture, Sports, Science and Technology will also make a public announcement concerning the contents of the pertinent misconduct (the name of misconduct, kind of misconduct, research field of misconduct, name of expense account of misconduct, summary of misconduct, measures taken by R&D organization, measures taken by funding institution, etc.)

Additionally, the abovementioned guidelines stipulate that the R&D organization shall promptly disclose the investigation results when misconduct has been identified. Therefore, each institution should respond appropriately.

[https://www.mext.go.jp/a\\_menu/jinzai/fusei/1360483.htm](https://www.mext.go.jp/a_menu/jinzai/fusei/1360483.htm)

#### **4.31 Duty to complete education on research ethics and compliance**

Researchers who participate in the R&D project of this program shall receive training on research ethics education for the prevention of misconduct in research activities as per the “Guidelines for Responding to Misconduct in Research” and compliance education as per the “Guidelines for the Management and Audit of Public Research Funds in Research Institutions.”

After project selection, during the agreement process, the Principal Investigator must ensure that all researchers participating in the R&D project in this program are informed about and complete both research ethics and compliance education.

#### **4.32 Handling of information on projects and other items on e-Rad**

Information on e-Rad regarding each selected project (program name, research project name,

affiliated R&D institution name, PI name, researcher number, budget amount, implementation period, project summaries and metadata for outcome papers) is handled as “information scheduled to be made public” stipulated in the Act on Access to Information Held by Independent Administrative Agencies (Act No. 140 of 2001) Article 5, Item 1, B. This information will be published on the program website, JST Project Database (“PDB,” <https://projectdb.jst.go.jp/>) and Research Project Integrated Search (GRANTS, <https://grants.jst.go.jp/>) operated by JST. It may also be used as public information in other JST information systems as public information. Moreover, research result reports submitted by researchers that can be made public may be publicized in the PDB.

#### **4.33 Provision of information from e-Rad to Cabinet Office**

The “6th Science and Technology Innovation Basic Plan” (Cabinet decision on March 26, 2021) stipulates that evidence-based policy making (EBPM) will be thoroughly implemented in the science, technology, and innovation administration, and the information registered in the Cross-ministerial R&D Management System (e-Rad) will be used for appropriate evaluation of government-funded R&D, planning of effective and efficient comprehensive strategies, and resource allocation policies.

Therefore, researchers are requested to input information on R&D outcomes, accounting performance records, and indirect cost execution records for competitive grants for each fiscal year for the selected project in the e-Rad. The information necessary for macro analysis, including information on research outcomes and accounting performance records, will be provided to the Cabinet Office.

The information necessary for macro analysis, including information on R&D outcomes and accounting performance records, will be provided to the Cabinet Office.

#### **4.34 Registration of researcher information on researchmap**

researchmap (<https://researchmap.jp/>) is one of the largest researcher information databases in Japan with more than 390 thousand registrers and helps publicize registered achievement information. Further, researchmap is linked to e-Rad and many university faculty databases. Thus, the registered information can be used in other systems, eliminating the need to register the same achievements repeatedly in various application forms and databases and improving efficiency.

For this program, researchers are required to submit R&D plans and reports of R&D results using JST's research project management system (R3; R-Cube\*), which is linked to researchmap. Since

registration in researchmap of Researchers, PIs and Co-PIs whose proposals have been selected for interview is mandatory for this purpose, those who have not yet registered are recommended to register as soon as possible before interview selection.

The information on researchmap supports research and statistical purposes in academic and science and technology policy planning by the government. We ask for your cooperation in actively registering and updating this program on researchmap.

\* R3 (R-Cube) is an electronic application system for research plans and results reports that is used by researchers selected for this program.

For new registrations, method to confirm your registration status, method to login or to reissue your password, please see the Quick-start Guide for Registration and login to the following website:

[https://researchmap.jp/outline/rr\\_manual/quickguide.pdf](https://researchmap.jp/outline/rr_manual/quickguide.pdf)

<https://researchmap.jp/public/account/?lang=en> (in English, for new registration only)

For methods to register or update of your achievement information or to output your information on researchmap, refer to the following website:

<https://guide.researchmap.jp/index.php/Researchmap>

#### **4.35 Patent applications by JST**

If an R&D institution does not acquire rights to an invention, JST may acquire those rights in some cases. Therefore, if an R&D institution does not foresee acquiring rights to an invention, the researcher should notify JST promptly, providing information concerning the said invention in any appropriate format (the above “information concerning the said invention” means information necessary for JST to determine whether an application for intellectual property rights is possible, for example, a copy of the notification of invention used in the R&D institution).

JST will conduct a study based on the received notice, and if JST judges, based on the results, that an application for the said invention is possible, a separate Patent Rights Transfer Agreement will be concluded between the R&D institution and JST.

#### **4.36 Patent application non-disclosure system**

The patent system grants patent rights and uniformly discloses inventions for which patent

applications have been applied, promoting further technological improvements and eliminating duplicative research and development. Meanwhile, before the establishment of the patent application non-disclosure system, Japan's patent system was such that once a patent application was filed, even if the invention was not to be disseminated for security reasons, the government had a system in which the contents of the application were made public after one year and six months had elapsed. The systems of other countries commonly keep patent applications related to such inventions private. Therefore, Japan, under its Act on the Promotion of Ensuring National Security through Integrated Implementation of Economic Measures (Act No. 43 of 2022) ("Economic Security Promotion Act"), established a patent application non-disclosure system in which, under certain cases, procedures such as application disclosure are suspended, and measures are taken to prevent the spread of patent applications.

Under the Economic Security Promotion Act, if the specification of a patent application describes an invention that, if made public, is likely to cause a situation in which external acts will harm the security of Japan and its citizens, through a procedure called "preservation designation," patent procedures such as publication of application, the decision to grant a patent, and the decision to refuse will be suspended. During this period, the disclosure of the contents of the invention in general, including publication and the implementation of inventions that may lead to similar results, is prohibited as a general rule. Additionally, the removal of the patent application by withdrawing it is prohibited. Please ensure compliance with national laws, guidelines, and notifications, including the Economic Security Promotion Act.

Details of the patent application non-disclosure system are available on the Cabinet Office website. Please see the following for details:

- "Cabinet Office: Patent application non-disclosure system":

[https://www.cao.go.jp/keizai\\_anzen\\_hosho/suishinhou/patent/patent.html](https://www.cao.go.jp/keizai_anzen_hosho/suishinhou/patent/patent.html)

## Chapter 5: Submission via Cross-Ministerial R&D Management System (e-Rad)

### 5.1 Cross-Ministerial R&D Management System (e-Rad)

The Cross-ministerial R&D Management System (e-Rad) is a cross-ministerial system that provides a series of online processes (acceptance of applications → selection → adoption → management of adopted projects → reporting of research results) to manage the publicly funded research projects under the jurisdiction of ministries and agencies.

\* “e-Rad” is the abbreviation of the Cross-ministerial R&D Management System, which is created by adding the capital letter “e” of “Electronic” to the capital letters of “Research and Development” for science and technology.

### 5.2 Application method using e-Rad

Applications must be submitted through the e-Rad (e-Research and Development Management System).

When applying, please refer to the e-Rad portal site (hereinafter referred to as the “portal site”) (<https://www.e-rad.go.jp/en/>).

\* Regarding various application processes necessary for using e-Rad, as a general rule, applications using paper documents are not accepted. Therefore, be sure to conduct each process using the e-Rad portal site. Additionally, please pay particular attention to the following points when applying.

(1) Pre-registration for using e-Rad (<https://www.e-rad.go.jp/organ/index.html>)

Pre-registration of the R&D institution and affiliated researchers is required by the time of application.

- Application for registration of R&D institution

Please appoint one administrative representative for e-Rad for the R&D organization and complete the procedures from “Application for Registration of R&D Institution” (<https://www.e-rad.go.jp/organ/entry.html>).

Please allow at least two weeks to complete the procedure.

Once registered, researchers need not register again when applying for programs/projects administered by other ministries or agencies.

Re-registration is unnecessary if you have already registered for a program or project administered by another ministry or agency.

- Registration of departmental information, administrative staff information, position information, and researcher information

The administrative representative will log in to e-Rad with the ID and password obtained in (1), register departmental information, the administrative staff (if any), position information, and researcher information, and issue IDs and passwords for the administrative staff and researcher.

For the registration procedure, please refer to “10. Procedures for Research Institutions,” “11. Procedures for Research Institution Administrative Members,” and “12. Procedures for Researchers” in the “Manual for Research Institution Administrative Representatives” on the portal site ([https://www.e-rad.go.jp/manual/for\\_organ.html](https://www.e-rad.go.jp/manual/for_organ.html)).

## (2) Obtaining and Completing the R&D Proposal Form

Please be sure to use the FY2026 R&D Proposal Form. Download the form from the following page and prepare your R&D proposal according to the instructions (written in blue letters on the R&D proposal form).

URL: <https://www.ist.go.jp/alca/koubo/2026/index.html>

The list of documents to be submitted is as follows

Form number	Document Name
Form 1	Basic Information
Form 2	Overall Concept of R&D Project
Form 3	Originality and Excellence of the Proposal
Form 4-1	Objectives and Research Plans
Form 4-2	Research Budget Plan
Form 5-1	Project Organization (Overall)
Form 5-2	Research Members of the Principal Investigator's Group
Form 5-3	Research Members of the Co-Principal Investigator's Group

Form 6-1	Achievements (Principal Investigator)
Form 6-2	Achievements (Co-Principal Investigator(s))
Form 7	Disclosure of Funds
Form 8	Other Important Information

- \* Please keep the file size of your proposal within 3 MB.
- \* Please be sure to confirm "2.8.3 Conflict of Interest Management" when preparing your R&D proposal.
- \* Please be sure to read and understand "Chapter 4: Key Points for Application " and "2.7 Restrictions on Duplicate Applications" before submitting your entry.

### (3) Application through e-Rad

- Proposal submission by researchers

Please refer to the Researcher's Manual on the portal site ([https://www.e-rad.go.jp/manual/for\\_researcher.html](https://www.e-rad.go.jp/manual/for_researcher.html)). Applications that have not been "Processed" or "Accepted" by the submission deadline will be considered invalid. Please check the status of your application on the "Proposal List" page. Although the proposal must be "accepted" by the funding agency to manage the submitted proposal, this status is not required in terms of completion of the application process by the researcher. If the status of the submitted proposal is "Applying," and the application type (status) is "Pending" by the deadline, the application has been successfully submitted.

#### Precautions

- (1) The application information must be entered online, and the proposal form must be attached to apply.

The proposal form can be uploaded as a single electronic file with a target file size of 3 MB.

Please pay attention to the file size if using image data in the file.

- (2) Proposals with deficiencies or irregularities will not be considered for selection. Please read the Application Guidelines and R&D Proposal Instructions carefully and fill out the documents.

### 5.3 Others

#### (1) Contact information regarding the e-Rad operation method

Inquiries regarding the program will be handled by the program staff. For inquiries regarding the e-Rad operation method, please contact the e-Rad Help Desk. Please carefully check the website for the call for proposals for this program and the e-Rad portal site before making an inquiry.

**JST cannot respond to any inquiries regarding the selection status or acceptance/rejection of proposals.**

Inquiries regarding the program and procedures for creating and submitting application documents	Department of R&D for Future Creation, JST	Please send inquiries by e-mail E-mail: <a href="mailto:alca-next@jst.go.jp">alca-next@jst.go.jp</a>
Inquiries regarding the e-Rad operation method	e-Rad Help Desk	0570-057-060 (Navi Dial; available within Japan) 9:00–18:00 *Excluding Saturdays, Sundays, holidays, and New Year’s holidays

- Page for calls for proposals of this program: <https://www.jst.go.jp/alca/koubo/2026/index.html>
- e-Rad portal site: <https://www.e-rad.go.jp/>

#### (2) e-Rad available hours

As a general rule, e-Rad operates 24 hours a day, 365 days a year, but service may be suspended due to system maintenance. If service is to be suspended, users will be notified in advance on the e-Rad portal site.