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| **Ministry of Science and ICT Announcement No. 2024-0193** |

[2024 Ministry of Science and ICT basic research project new project contest](https://www.iris.go.kr/contents/retrieveBsnsAncmView.do)

[(Individual study-global matching (Sweden))](https://www.iris.go.kr/contents/retrieveBsnsAncmView.do)

**2024 Ministry of Science and ICT basic research project global matching type (Sweden)**

**We announce the new project selection support plan as follows.**

February 27, 2024

<Ministry in Charge> Minister of Science and ICT Lee Jong-ho

<Professional Organization> Lee Gwang-bok, Chairman of the National Research Foundation of Korea

1. Research project overview

**□ Research project purpose**

 ㅇ Strengthen international joint research to secure global research capabilities and create innovative basic research results through collaboration with world-class researchers.

ㅇ Support for international joint research projects through joint budget support (bilateral) with leading countries in basic research that share values

**□ Research project details**

ㅇ Project name: **Global matching type (Sweden)**

ㅇ Competition method: RFP

ㅇ Research project type: International joint research project (individual research)

ㅇ Support areas: 12 basic areas of science and technology strategy

※ 12 basic areas of science and technology strategy: semiconductors and displays, secondary batteries, advanced mobility, next-generation nuclear power, advanced bio, aerospace and maritime, hydrogen, cybersecurity, artificial intelligence (AI), next-generation communications, advanced robots and manufacturing, quantum technology

ㅇ Support period: 3 years (2024.11.1.~2027.10.31.)

ㅇ Support scale

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| **Number of assignments** | **Around 10** |
| **Research expenses per project** | **Within 200 million won per year** |
| **Period****and****research funds** | **Total** | **36 months (2024.11.1. ~ 2027.10.31.)** | Within 600 million won |
| 1st year | 12 months (2024.11.1. ~ 2025.10.31.) | Within 200 million won |
| 2nd year | 12 months (2025.11.1. ~ 2026.10.31.) | Within 200 million won |
| 3rd year | 12 months (2026.11.1. ~ 2027.10.31.) | Within 200 million won |

※ Swedish support scale: 1.63 million kronor per year, planned for 3 years

ㅇ Eligibility for application: Full- time faculty in the science and engineering field at domestic universities and full-time researchers at national or government-funded research institutes

※ Researchers affiliated with private research institutes, university technology holding companies, and government agencies cannot apply.

ㅇ Support details: Research and development expenses and activity expenses for establishing a cooperative network, etc.

※ Korea’s research and development expenses are calculated according to the “Standards for using research and development expenses for national research and development projects,” and 5% of indirect costs are applied within the research expenses.

※ Both countries support their own researchers, and Swedish researchers are scheduled to be supported by the Swedish Strategic Research Foundation (SSF) (see SSF's announcement for details such as the Swedish research period, research funds, and application qualifications).

※ This project is supported by matching research funds on a 1:1 basis between the two countries, and the costs for researchers from each country are The principle is to support research with domestic research funds. However, during mutual exchange, support for the other party's living expenses, etc. can be cross-supported in accordance with the principle of mutual reciprocity.

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| **< Things to keep in mind when applying >**1. The application must be processed as “submitted” before the deadline for submission to the principal investigator.(Please note that if the application is closed as “plan being prepared,” it will not be accepted.)2. Only projects submitted to both Korea and Sweden will be recognized as joint applications. - Korean and Swedish research directors must submit applications separately through the application systems of both countries.- Swedish application deadline: Until 14:00 on Friday, April 15, 2024 (Swedish local time)- For further details on application such as Swedish research period, research funds, and application qualifications, refer to the project information on the SSF website ( <http://apply.strategiska.se>) |

2. Application qualifications and participation restrictions

**□ Number of applied/selected tasks**

blanket **(Application and Selection)** Among the global matching types (Germany, Sweden, UK) , only one project (application by target country) can be applied and selected as a research director or general researcher (participating researcher).

**<Number of global matching applications and selection projects>**

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| **business name** | **Announcement** | **application** | **selection** | **Study start date** |
| **Number of applied tasks** | **When to apply** |
| personal research | globalMatching type | ① Germany (DFG) | '24.March | Only 1Application available | ~April '24 | Select only 1 | 12.1. |
| ② Sweden (SSF) | '24.February | ~April '24 | 11.1. |
| ③ United Kingdom (Royal Society) | '24.February | ~April '24 | 10.1. |

※ The global matching type is excluded from the application and selection restrictions for one project per person within basic research individual research projects , but is included in the number of research and development projects (3 books, 5 projects).

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| **※ Application period and research start date may vary by country depending on project implementation conditions, budget, and consultation with the other country.** |

**□ Restrictions on application and performance**

ㅇ **(Participation Restrictions)** For researchers who have been subject to restrictions on participation in national research and development projects, the period of sanctions is determined by the researcher's research plan. You can apply for and participate in new assignments only if they are completed by the day before the application deadline.

- If you are subject to participation restrictions during the new project selection process after applying, you must notify the professional organization (National Research Foundation of Korea) of the fact and the project will be excluded from selection evaluation and selection.

※ Related: Article 32 of the National Research, Development and Innovation Act and Article 59, Paragraph 1 of the Enforcement Decree of the same Act.

※ In order to apply for and perform a new national research and development project, the participation restriction period must end by the day before the application deadline according to the relevant regulations, so please be sure to check whether your participation is restricted before applying for a research project ( [http://www.ntis.go. (](http://www.ntis.go.kr) Available after logging in)

blanket **(Limitation on the number of research and development tasks)** This project falls under the ‘restriction on the number of research tasks (3 books, 5 projects)’

- Basic research projects limit the number of research and development tasks that researchers can perform simultaneously to a maximum of 5 , of which the number of research and development tasks that can be performed simultaneously as a research director is limited to a maximum of 3. (Related: Article 64 of the Enforcement Decree of the National Research, Development and Innovation Act )

- However, exceptions to the limit on the number of concurrent tasks may be recognized depending on professional judgment regarding the technical and policy importance of the task, urgency of research and development, etc., and the exception recognition process is promoted through expert deliberation during task selection and evaluation.

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| **Exceptions to the limit on the number of research and development tasks**1. Research and development project to be completed within 6 months from the deadline for submitting the research and development plan2. Research and development tasks related to preliminary investigation, planning and evaluation research, or testing, inspection and analysis3. Research and development tasks for the purpose of coordination and management of research and development tasks4. Research and development projects related to infrastructure construction projects, higher education financial support projects, human resource development projects, and academic activity projects that do not primarily involve research and development.5. Research and development tasks related to the basic Research project of an institution directly established pursuant to other laws (research and development projects carried out with a budget directly contributed by the government to achieve the purpose of establishment according to the articles of incorporation )6. A research project carried out jointly by a research and development institution (excluding companies under Article 169 of the Commercial Act, but including a specialized production technology research center under Article 42 of the Industrial Technology Innovation Promotion Act) with small and medium-sized enterprises, and approved by the Minister of Science and ICT of the relevant central administrative agency. Research and development projects whose research and development costs are separately determined in consultation with the head7. Other research and development tasks that have been reviewed by the National Science and Technology Advisory Council as it is necessary to calculate them without including them in the number of research and development tasks for the purpose of promoting research and development, etc. |

ㅇ **(Distinction review)** The task evaluation team conducts a differentiation review for research and development projects that have been promoted or are being promoted as national research and development projects, referring to NTIS verification data, etc.

- If you are currently carrying out or participating in a similar project, please refrain from applying and be sure to individually check the similarity between the research plan you wish to apply for and the previously supported national research and development project (including other ministries) before applying for the project.

- Excluded from selection if it is determined to be a task that overlaps with an existing national research and development project task.

※ How to search for similar assignments: Log in to www.ntis.go.kr → Participate in assignment → Similar assignment → Similarity review

ㅇ **(limitation on duplicate applications)** Within a global matching project, only one project can be applied for and performed as a research director or co-researcher, and all projects with duplicate applicants are excluded from evaluation.

3. Application procedure

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| ▸ **The 2024 basic research project replaces the existing eR&D of the National Research Foundation of Korea and involves project application, evaluation, and management through IRIS \* (https://www.iris.go.kr) operated by the Korea Institute of Science and Technology Planning and Evaluation (KISTEP). Proceed with work .** **\* IRIS** ( **Integrated R** &D Information **System )** : Integrated systems operated by each ministry and specialized organization into one **Pan-ministerial integrated research support system** |

blanket The research director logs in to **the inter-ministerial integrated research support system ( IRIS , https://www.iris.go.kr) and** After completing the online input information and uploading the research plan, etc., confirmation and approval by the host research institution

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| **Required requirements before submission** |  | **Receipt** |  | Research project**Application completed** |
| Researcher (responsible)Sign up for IRIS (NRI), agree to become a researcher, and register / renew information(Education, experience, etc.) | IRIS institution registration, application for institution general manager (authorization of institution manager), registration of institution representative, etc. | Fill out online input information and register research plan, etc. |  | Host research instituteOnline registrationConfirmation/Approval |
| **󰊱 Researcher** | **󰊲 Host research institute** |  | **Research director** |  | **Host research institution** |  |

※ Before submission, be sure to check with the research management officer at your institution whether approval is possible from the host research institution.

※ For details, be sure to check the attached detailed project application guidelines.

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| ▸ **In order to apply for an assignment through IRIS, there are mandatory requirements before submission, so please prepare in advance to avoid any problems with the assignment application.**

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| **※ Details are [Appendix (Manual) 1-1]** (Required items to be implemented before submitting a research and development project (KISTEP IRIS Management Team)) **and [Appendix (Manual) 1-2]** (IRIS membership registration (researcher conversion) and researcher information registration manual) **reference** |

 **󰊱 (Researcher )** **①** Sign up as an IRIS member, **②** Go to NRI (National Researcher Information System) in IRIS and agree to become a researcher (Issuance of a National Researcher Number), **③** Education/Experience \* and Major Research Performance Performance \*\* Information must be registered within NRI \* Required to register work (affiliate) department in career information\*\* Create a list of tasks completed and in progress/applied over the past 5 years ※ **① and ② :** Required for all participating researchers, including the research director (excluding student researchers from institutions with integrated student labor cost management )**③:** Required only for the research director **󰊲 (Host research institution)** IRIS institution registration, application for institution general manager (authorization of institution manager), registration of institution representative, etc.※ Institutional representatives and institution (general) managers are also required to sign up as IRIS members and agree to become a researcher (issuance of a national researcher number) . If the representative information is not registered, the researcher cannot complete the submission of the project, so the **required actions must be taken before the start of the application period. necessary**

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| **< Precautions for selecting a host research institution >** **- When applying for a project , in the case of a university, the host research institution should be <00 University>, not <00 University Industry-Academic Cooperation Foundation>.****- Registration of <00 University>'s institutional information (registration of institutional representative, application for institutional manager, grant of approval authority to institutional manager, etc.) is required.** ※ If the institution representative is not registered while applying for a project to <00 University>, the representative of <00 University Industry-Academia Collaboration Foundation> can be added through [Add Application Personnel] in the [Research Institution] tab [Representative and Application Personnel Information] section of the IRIS research and development plan. can be registered as a representative of <00 University>**- Approval authority is given to the institutional staff of the University (00 University) and the Industry-Academic Cooperation Foundation (00 University Industry-Academic Cooperation Foundation) to approve all assignments applied to the University or the Industry-Academic Cooperation Foundation.** ※ Currently, the institutional information (representative, institutional manager, etc.) is registered only under <00 University Industry-Academic Cooperation Foundation>, and if it is difficult to change the information to <00 University> and apply due to the deadline for application, You can also apply as a cooperative group> |

▸ **IRIS** **Contact: IRIS Call Center 1877-2041 or****IRIS homepage>Notifications/Customers>System/Service Inquiries>Usage Inquiry Bulletin Board** |

blanketRefer to the assignment submission manual: Log in to the inter-ministerial integrated research support system (https://www.iris.go.kr) → Click and access the R&D Research project portal → R&D customer center → IRIS user manual → [IRIS R&D integrated Research project portal - for researchers ] Download the application manual

※ Responsibility for errors in application due to lack of familiarity with the application manual lies with the applicant.

blanket Once the research and development plan is completed, you can 'submit' after completing 'final confirmation' at the top right of the screen. Submitted research and development plans cannot be further modified or deleted.

※ Modification of the research and development plan is possible only until the deadline for submission to the research director.

4. Evaluation method

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| **①Submission of assignment application form** | **‣** | **②Prior review** | **‣** | **③Expert evaluation** | **‣** | **④Joint Evaluation Committee** | **‣** | **⑤Selection notice** |
| Host research institution | Confirm receipt from both countries and conduct preliminary review | Utilization of external expertsOnline written evaluation | Consultation on evaluation and selection tasks by the joint evaluation committee between the two countries | Ministry of Science and ICT,National Research Foundation of Korea |

ㅇ Prior review: Confirm that the institutions , organizations, and researchers subject to selection evaluation are not subject to participation restrictions and meet the application qualifications in accordance with Article 11 of the Enforcement Decree of the National Research, Development and Innovation Act.

ㅇ 1st expert evaluation: An evaluation group composed of external experts in each technology field assigns points for each evaluation item and provides evaluation opinions (online written evaluation)

ㅇ 2nd joint evaluation committee evaluation: Form a joint evaluation committee between the two countries to review the results of the 1st evaluation, mutually discuss, and agree on the final selection task

ㅇ Final selection: Final decision by the Ministry of Science and ICT after a professional organization reports the results of evaluation and selection consultation on the results of consultation with the other country

※ A preliminary review will be conducted after the application deadline, and if the application eligibility requirements are not met, the application will be excluded from evaluation (applications will be considered complete only when both applications are received in both countries).

※ Evaluation procedures and methods may change depending on the application size and detailed evaluation plan.

5. Application period

**□ Application reception period**

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| **division** | **detail** |
| Research director application period(Deadline for application) | 2024.3.15.(Fri) ~ **4.15.(Mon) until 17:00**※ Swedish application deadline: 2024.4.15. (Mon) 14:00 (local time) |
| Host research institution review/approval period | 2024.3.15.(Fri) ~ **4.17.(Wed) until 17:00** |
| Application Process | Researcher application ▷ Approval from the host research institution ▷ Application completion |

※ The principal investigator must complete the registration of the research plan and the request for institutional review by the application deadline, and the application will be finalized only when the director of the host research institute approves the principal investigator's application.

blanket **Principal Investigator :** In principle, all protocol registration (application completion) and institutional review requests must be completed within the [Principal Research Director application period].

blanket **Host research institution** : Review and approval of the protocol submitted by the researcher must be completed within the [host research institution review/approval period] (However, advance review and approval is possible during the principal investigator application period)

blanket **Relief is absolutely not possible for projects that are not completed within the deadline** , and since writing errors are frequent when uploading plans (validation errors, etc.), it is recommended that researchers upload at least 5 days before the application deadline.

**□ Things to keep in mind when applying**

blanket If there are no applicants or fewer than the number of new applications are received, re-announcement is possible.

blanket Exclusion from evaluation is possible in cases such as submission of application after the deadline, insufficient submission documents, duplication of research content with other projects, ineligibility for application, etc.

blanket A research plan containing information that is different from the facts; Sanctions (cancellation of selection, etc.) are possible if information is included in the attached materials, etc.

blanket Matters not specified in this notice are subject to relevant laws and regulations.

※ ｢Basic Science and Technology Act｣ , ｢Basic Research Promotion and Technology Development Support Act ｣, ｢National Research, Development and Innovation Act｣ , ｢Enforcement Decree of the National Research, Development and Innovation Act ｣, ｢Processing of research and development projects in the field of science and technology under the jurisdiction of the Ministry of Science and ICT Regulations , etc.

blanket This notice may be subject to modifications during the notice period, and if any modifications occur, they will be announced separately through the Research project notice menu.

6. Promotion schedule (draft)

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| **schedule** | **Promotion details** |
| 2024.2.27.(Tue) | Global matching (Sweden) project announcement |
| 2024.3.15.(Fri) 09:00~4.15.(Mon) 17:00 |  Application for research director (deadline for project application submission)※ Swedish deadline: 2024.4.15. (Fri) 14:00 (local time) |
| 2024.3.15.(Fri) 09:00~4.17.(Wed) 17:00 | Review of the host research and development agency ․ approval |
| June~September 2024 | Selection evaluation (individual evaluation of both countries) and selection task consultation |
| In October 2024 | Announcement of selection results |
| 2024.11.1. | Research commencement |

※ Future schedule may vary depending on consultations with other countries and project progress status.

7. Other matters

**□ Guide to thesis transcription**

 ○ When publishing a research paper in an academic journal, an acknowledgment is indicated on the paper.

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| ▸ **Korean notation** This research was conducted with the support of the National Research Foundation of Korea with funding from the government (Ministry of Science and ICT) (IRIS project number).▸ **English notation** This work was supported by the National Research Foundation of Korea (NRF) grant funded by the Korea government (MSIT) (IRIS project number).※ MSIT: Ministry of Science and ICT ※ Achievements can be replaced with actual achievements such as papers, patents, etc. |

**□ Related to domestic and overseas dispatch research**

ㅇ In principle , when a research director is dispatched to a domestic or foreign institution for more than 6 months from the start of research , prior approval is required. If it is determined that research is impossible at the approval review stage, whether to discontinue the project is reviewed through a special evaluation.

※ If you are already dispatched as of the research start date, request approval from the specialized organization immediately after the agreement.

**□ Mandatory completion of cyber research ethics training**

ㅇ Starting in 2018, principal researchers of basic research projects must complete cyber research ethics training after starting research.

- Designated education operation institution: National Institute of Science and Technology Human Resources Development (https://alpha-campus.kr/)

- Education-related inquiries: Alpha Campus for Scientists and Engineers (1588-5834)

**□ Recommendations for preventing poor academic activities**

ㅇ When presenting the research results of a project supported by the National Research Foundation of Korea in a paper, the principal investigator should use a sound academic journal (or conference) that the relevant academic community can trust.

ㅇ If participating researchers (including student researchers) wish to present their research results in a paper , the principal investigator must check whether the relevant academic organization is an organization that can be recognized by the relevant academic community.

※ The researcher (responsible person)’s publication performance in academic journals suspected of being insolvent may be reflected in the project evaluation results (selection, stage, final).

8. Contact information

**□ Inquiry process**

**“ The phone connection may not be smooth due to the flood of inquiries.**

**“Be sure to check the notice and FAQ and then ask questions through the research institution.”**

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**□ How to check notices and forms**

ㅇ If the announcement contents are modified, the modifications will be posted through the Research project notice menu below, so continuous confirmation is required (modifications will not be notified individually)

ㅇ National Research Foundation of Korea (https://www.nrf.re.kr) → Project information → Project announcement → Project announcement

ㅇ Government-wide integrated research support system (https://www.iris.go.kr) → Research project information → Project notice → Project notice

**□ How to check related laws, rules, manuals, etc.**

ㅇ Access the government-wide research fund integrated management system website (http://gaia.go.kr)

ㅇ Law ․ Rule . Rules: 「Laws and regulations related to national R&D research funds 」 → ‘Common laws and regulations’ → Check related to ‘Ministry of Science and ICT’, ‘Ministry of Science and ICT (National Research Foundation of Korea)’

ㅇ Research/Fund Management Manual: Click on 「Research/Fund Management Manual 」

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**□ Contact information**

① (Inquiries regarding online input and submission system) Government-wide integrated research support system: 1877-2041

② (Project / evaluation-related inquiries) International Exchange Team, International Cooperation Headquarters, National Research Foundation of Korea

- Senior Research Fellow Jongdeok Kim: 02-3460-5681 / jdkim@nrf.re.kr

③ (Inquiries from Sweden) The Swedish Foundation for Strategic Research (SSF)

- Contact: + 46 8 505 81 665, Joakim Amorim, joakim.amorim@strategiska.se

- Related site: <http://apply.strategiska.se>

enclosure: 2024 Basic Research Project (Individual Research-Global Matching (Sweden)) New Project Contest Guide (Detailed Project Application Guidelines, etc.)