

Disaster Prevention Research Institute, Kyoto University
Application Guidelines for 2020 Collaborative Research

The Disaster Prevention Research Institute (DPRI) was established at Kyoto University for the purpose of carrying out academic research on natural hazards and multidisciplinary studies for disaster mitigation. Since 1996, many collaborative projects have been carried out under DPRI's leadership as a national joint usage research institute. In 2010 DPRI was designated as a "Joint Usage/Collaborative Research Center for Multidisciplinary Disaster Prevention Study," and many collaborative projects have been executed with new collaborative frameworks as a collaborative research center.

In 2016 the next term of the "Joint Usage/Collaborative Research Center for Multidisciplinary Disaster Prevention Study" has started, in order to promote collaborative projects more extensively with a new framework of international collaborative research. We set up the following five themes as the top priority issues, "Great earthquake disaster mitigation," "Meteorologically extreme phenomenon and disaster," "Volcanic disaster," "Implementation science for disaster risk reduction," and "Global collaboration of disaster research." Applications for collaborative research related to the above five top priority issues are most welcome. However, applications for collaborative research related to other issues are also accepted.

Research staffs from National University Corporations, public/private universities, and national/public research institutes are encouraged to apply for funding. Evaluations of the proposals will be done by the Committee for Joint Usage/Collaborative Research Center of DPRI.

This call for applications is contingent on approval of the 2020 Fiscal Year's budget.

Collaborative research includes the following 12 categories,

- A. Collaborative research with staff from DPRI. The Principal Investigator (PI) must be from an institute other than DPRI.
 - 1) General Collaborative Research
 - 2) International Collaborative Research
 - 3) Workshops and Symposia
 - 4) Long-term Research Visits (see below Note a)
 - 5) Short-term Research Visits (see below Note a)
 - 6) Implementation Science Research for Regional Communities (General) (See below Note b)
- B. Collaborative research with staff from DPRI. The PI can be from DPRI or other institute.
 - 7) New Exploratory Research (see below Note a)
- C. Collaborative research planned and proposed by the Natural Disaster Research Council (NDRC)
 - 8) Priority Issues for Collaborative Research
- D. Collaborative research planned and proposed by NDRC and related societies
 - 9) Implementation Science Research for Regional Communities (Regional-Scale)
- E. Collaborative center research with a PI from DPRI
 - 10) Center Research
 - 11) Topical Research Meetings
- F. Collaborative studies using DPRI facilities/equipment. The PI is from an institute other than DPRI.
 - 12) Joint Usage of DPRI Facilities/Equipment (see below Note a)

(Note a) Graduate students (doctoral course) are eligible to be PI.
(Note b) Administrative staff of local government is eligible to be PI.

For all collaborative research projects where the PI's institutes are outside of DPRI, a DPRI staff member must be included as the project collaborator. The PI should contact the DPRI collaborator and discuss the research project with all the collaborators, then submit the application form. Submissions

in English will be accepted. Upon the submission, tasks of the DPRI collaborative staff member must be clearly specified in the application form.

Each applicant can be a PI on only one proposal, with the exception for the collaborative research proposed by the Natural Disaster Research Council (C8 and D9) and for the collaborative studies with Joint Usage of DPRI Facilities/Equipment (F12).

Those involved in collaborative research projects will have access to the facilities, equipment, instruments, and data of DPRI listed in the web page (<http://www.dpri.kyoto-u.ac.jp/shared/>) (see Note (1)-5) shown below). For the use of these facilities, the PI should contact the appropriate DPRI staff in charge before submitting the application.

Upon completion of the collaborative research, the PI's will be requested to submit a report. The report will be published in the DPRI Annuals and posted on the website of DPRI. When publishing the findings obtained in the course of the collaborative research, acknowledgement of the Disaster Prevention Research Institute's collaborative research program is requested to be included in the publication.

Details of collaborative research

A. Collaborative research with staff from DPRI. The PI must be from an institute other than DPRI.

1) General Collaborative Research

Collaborative projects for researchers to work with DPRI staff. The PI must be from a domestic institute other than DPRI. Duration of the project is two years or less. It is necessary to include a staff member from DPRI among the collaborators. Submit Form 1. Upon the submission, tasks of the DPRI collaborative staff member must be clearly specified in the application form. Total budget must be 2 million yen or less for each year.

2) International Collaborative Research

Collaborative projects for researchers to work with DPRI staff. The PI must be from an institute outside of Japan. Duration of the project is two years or less. It is necessary to include a staff member from DPRI among the collaborators. The application Form 2 should be submitted by the DPRI collaborator. Upon the submission, tasks of the DPRI collaborative staff member must be clearly specified in the application form. Total budget must be 2.5 million yen or less for each year. Put a tick mark in the application form, if the PI's affiliation joins GADRI (Global Alliance of Disaster Research Institutes, see Note (11)-1) below) or has an academic exchange agreement (AEA) with DPRI. Also describe the relationship between the project and GADRI or the AEA in the application form.

3) Workshops and Symposia

Funding for meetings for nationwide researchers to discuss new topics related to disaster mitigation research or other interesting themes. The PI must be from an institute other than DPRI. Submit Form 3. Workshops and symposia can be co-sponsored with other sources of funding. For joint hosting with other sources of funding, acknowledgement of support from the collaborative research program of DPRI must be included in the publication.

The location of the meeting should be on the Uji campus or at a facility of DPRI (Appendix II, see Note (1)-5) below). The meeting should be held between April 2020 and the end of February 2021. Total budget must be 1 million yen or less.

4) Long-term Research Visits

Support for domestic and overseas researchers to stay at DPRI for periods of 1 to 10 months to carry out collaborative research projects. Graduate students (doctoral course) are also eligible. Submit Form 4. Visitors are expected to make use of the human resources and facilities of DPRI in their research. In preparing the application form, consultation with the appropriate DPRI staff members is advised. Total budget must be 2 million yen or less. Put a tick mark in the application form, if the PI's affiliation joins GADRI (Global Alliance of Disaster Research Institutes, see Note

(11)-1) below) or has an academic exchange agreement (AEA) with DPRI. Also describe the relationship between the project and GADRI or the AEA in the application form.

5) Short-term Research Visits

Support for domestic and overseas researchers to stay at DPRI for periods of about 2 weeks or less, to carry out collaborative research projects. Visitors are expected to make use of remote facilities, large-scale equipment, documents, or data of DPRI. Graduate students (doctoral course) are also eligible. Submit Form 4. In preparing the application form, it is advised to consult with the appropriate DPRI staff members. Total budget must be 300,000 yen or less. Put a tick mark in the application form, if the PI's affiliation joins GADRI (Global Alliance of Disaster Research Institutes, see Note (11)-1) below) or has an academic exchange agreement (AEA) with DPRI. Also describe the relationship between the project and GADRI or the AEA in the application form.

6) Implementation Science Research for Regional Communities (General)

Collaborative projects of Implementation science for regional communities among researchers, specialties and administrative staff of local government. The PI must be a researcher affiliated with an institute other than DPRI. A member of the administrative staff of local government is eligible to be a PI with support of researchers. Duration of the project is two years or less. It is necessary to include a staff member of DPRI among the collaborators. Submit Form 5 (Japanese edition only). Total budget must be 2 million yen or less for each year.

B. Collaborative research with staff from DPRI. The PI is from DPRI or other institute.

7) New Exploratory Research

Support for new and innovative projects. A staff member of DPRI is eligible to be a PI. Also, a graduate student (doctoral course) can be a PI. In this case, however, the student's advisor must be included as a collaborator. If the PI is not from DPRI, a staff member from DPRI must be included in the collaborators. In the submission, tasks of the DPRI collaborative staff member must be clearly specified in the application form. Duration of the project should be within one year. Submit Form 6. Total budget must be 300,000 yen or less.

C. Collaborative research planned and proposed by the Natural Disaster Research Council (NDRC)

8) Priority Issues for Collaborative Research

Support for collaborative research planned and proposed by NDRC. This includes multidisciplinary studies of natural disasters and disaster risk reduction promoted by NDRC. Duration of the project should be within one year. Submit Forms 7 (Japanese edition only). Total budget must be 2.5 million yen or less.

D. Collaborative research planned and proposed by NDRC and related societies

9) Implementation Science Research for Regional Communities (Regional-Scale)

Collaborative projects of Implementation science for regional communities planned and proposed by NDRC and related societies. Duration of the project is two years. Submit Forms 8 (Japanese edition only). Total budget must be 5 million yen or less for each year.

E. Collaborative center research with a PI from DPRI

10) Center Research

Funding for projects promoted by DPRI as a collaborative research center. Projects should address new research issues, form working organizations, or establish research networks, for the purpose of studying natural disasters and multidisciplinary countermeasures. Results should form the potential basis for further development in this field.

The PI is from DPRI and should build a research organization together with staff from other institutions. There are two categories for applications, General Promotion Research and Special

Promotion Research. The research duration is one year. Submit Form 9 (Japanese edition only). Total budget for General Promotion Research must be 5 million yen or less. Total budget for Special Promotional Research must be 10 million yen or less.

11) Topical Research Meetings

Support for meetings to plan projects and discuss research results, held under the leadership of a researcher (PI) from DPRI. Submit Form 10 (Japanese edition only). Total budget must 1 million yen or less.

F. Collaborative studies using DPRI facilities/equipment. The PI must be from an institute other than DPRI.

12) Joint Usage of DPRI Facilities/Equipment

Support for collaborative studies using remote facilities, large-scale equipment, documents or data of DPRI. Travel expenses are to be provided by the users. In preparing the application, consult with the DPRI staff in charge of the specific facility. Submit Form 11.

Notes

(1) Application

- 1) For all application, it is strongly advised to obtain informal consent from the head of the PI's institute. If the proposal is accepted, written consent for the research participation will need to be promptly submitted.
- 2) For use of DPRI facilities/equipment, submit the application after directly consulting with the appropriate DPRI staff in charge and also follow the instructions provided by him/her.
- 3) For applications and reports, use the appropriate forms, which can be downloaded from the DPRI website listed below in (11)-3).
- 4) For all applications except for the Center Research (E10), costs of equipment will not be usually approved (goods redeemable for cash (PCs, tablets, digital cameras, video cameras, televisions, etc.) are treated as equipment even if they are less than 100,000 yen). If there are special reasons, they should be described on a separate sheet.
- 5) Since the web page of shared facilities (<http://www.dpri.kyoto-u.ac.jp/shared/>) is prepared only in Japanese at present, it is advised to consult with a DPRI collaborative staff member for using facilities/equipment in the collaborative research.

(2) Selection and notice

The proposals will be fairly reviewed in the context of research plot and research expenses and awardees will be decided by votes of the Committee of Joint Usage/Collaborative Research Center of DPRI. The results will be announced in middle April, 2020. Determination of budgets will be announced around June, 2020.

(3) Funding

Funding for accepted projects can be used for research expenses and travel. The full amount of requested funds for accepted proposals may not be awarded. Funding will be supplied through the administration of DPRI. Only in the International Collaborative Research projects (A2), researchers at overseas institutes can make small purchases such as supplies. For planning and using the budget, refer to Appendix 2A and consult with the collaborative researcher at DPRI.

(4) Publications

In the publications related to the collaborative research, explicit acknowledgement of the source of funding, for example, "the General Collaborative Research (29G-00) funded by the Disaster Prevention Research Institute, Kyoto University" must be included. Also, a copy of the published material should be sent to the address specified below in Note (11)-4). The PI's or the collaborators

are encouraged to present their final results at the DPRI Annual Meeting in February and publish in the DPRI Annuals. For these applications for presentation, consult with the collaborative researcher at DPRI.

(5) Interim report

For the two-years projects of General Collaborative Research (A1), International Collaborative Research (A2), and Implementation Science Research for Regional Communities (A6, D9), the PI is required to submit an interim report of the research using the attached forms, after finishing the first year's research.

(6) Project report

For all Collaborative Research (A1, A2, A3, A4, A5, A6, B7, C8, D9, E10, E11), the PI is required to submit a summary of research results using the attached forms. The forms should be submitted through electronic media (format is limited to Microsoft WORD). The contents of the report are to be published in the DPRI Annuals and on the website of DPRI.

(7) Summary of research results

For General Collaborative Research (A1), International Collaborative Research (A2), Implementation Science Research for Regional Communities (A6, D9), Center Research (E10), as well as Workshops and Symposia (A2), the PI is required to submit 6 copies of summary documents (CD-ROM or book form) to the program office (see (11)-4) below). The summary documents will be available for reading at Kyoto University Library. The summary documents can also be registered in the "Kyoto University Research Information Repository" to be published on the internet, upon the request of the PI. The front cover format can be downloaded from the website listed below in (11)-3).

(8) Research after the termination of a collaborative research project

DPRI may ask PI's about the subsequent research after the termination of the collaborative research projects. In this case, reply to the inquiries is expected.

(9) Intellectual property right

As to the intellectual property created through the collaborative research program, the PI should contact DPRI collaborators as well as the intellectual property department of the PI's institute, before applying copyright or patent. The procedure of application and portion of rights will be discussed among the parties concerned.

(10) Accommodations

For the remote facilities, accommodations may be available. Consult with the appropriate DPRI staff in charge.

(11) Other information

1) GADRI (Global Alliance of Disaster Research Institutes) was established on March 2015 as a worldwide forum for sharing knowledge and promoting collaboration on topics related to disaster risk reduction. DPRI serves as the secretariat of GADRI. DPRI has been promoting global collaboration of disaster research with developing international networks such as GADRI.

2) In the case of accidents or injuries during research activities, such expenses are to be handled by the institute with which the researcher is affiliated. DPRI assumes no responsibility for such matters. When graduate students participate in collaborative research, they are requested to purchase, "Disaster and Accident Insurance for Students Education and Research".

3) The application forms and status of proposal awards are posted on the DPRI website.

<http://www.dpri.kyoto-u.ac.jp/collaborative/>

4) For inquiry about this public solicitation, please contact,

Person in charge of the Joint Usage of Research Support Section,

Uji Administrative Office, Kyoto University

Gokasho, Uji, Kyoto 611-0011, Japan

Tel: (81)-774-38-3350, Fax: (81)-774-38-3369

e-mail: kyodo@dpri.kyoto-u.ac.jp

Schedule for Applications for 2020 Collaborative Research with the Disaster Prevention Research Institute, Kyoto University

- Application period:
November 11 (Monday), 2019 - January 10 (Friday), 2020
Applications for Joint Usage of DPRI Facilities/Equipment will be accepted at any time.
- Award notification:
Middle April, 2020 (Scheduled)
- Submission of list of collaborative participants:
Mid-May, 2020 (Scheduled)
- Submission of written consent from the head of the PI's institution:
Mid-May, 2020 (Scheduled)
- Notification of budgets:
Early June, 2020 (Scheduled)
- Submission of expense sheets:
Late February, 2021 (Scheduled)
- Submission of interim report (See Notes (5)):
Late April, 2021 (Scheduled)
- Submission of project report (See Notes (6)):
Late April, 2021 (Scheduled)
- Submission of summary of research results (See Notes (7)):
Late May, 2021 (Scheduled)