

Environmental Radioactivity Research Network Center

FY2020 Application Guideline

1. Overview of the ERAN

With Great East Japan Earthquake and tsunami on March 11, 2011, Fukushima Daiichi Nuclear Power Plant accident occurred, and radioactive materials from reactor facilities were scattered and deposited in a wide area of eastern Japan. Nine years have passed since the nuclear accident, but there still remain academic issues about the transition process of radioactive materials to forests, rivers, lakes, oceans, crops, fish, etc., as represented by concerns about the circulation of radioactive materials and the concentration of freshwater fish in forests. We also believe that we need to continue to disseminate accurate information on Fukushima's environmental recovery because many people are still forced to evacuate and reputational damage to agricultural, forestry and livestock products, is growing. Furthermore, it is our duty in the international community to disseminate the knowledge of the nuclear accident internationally.

Aiming to solve various problems of environmental recovery in Fukushima, Environmental Radioactivity Research Network Center (ERAN) is established by cross-agency collaboration of the following 6 institutes: Center for Research in Isotopes and Environmental Dynamics (CRiED) at University of Tsukuba, Institute of Environmental Radioactivity (IER) at Fukushima University, Institute of Radiation and Emergency Medicine (IREM) at Hirosaki University, Sector of Fukushima Research and Development at Japan Atomic Energy Agency (JAEA), Department of Radioecology and Fukushima Project, Center for Advanced Radiation Emergency Medicine, Quantum Medical Science Directorate at National Institutes for Quantum and Radiological Science and Technology (QST), and Fukushima Branch at National Institute for Environmental Studies (NIES).

This network research center calls for collaborative research for the purpose of contributing to the solution of various issues such as elucidation of the transition process of radioactive materials, evaluation of its impact and the environmental recovery of Fukushima through the joint use of research facilities and collaborative research, and transmits the results obtained to the domestic and international communities.

2. Types of Study

(1) Collaborative Research for Young Scientists (Max. budget : 300,000 yen*)

Collaborative research with an extramural researcher under 35 at April 1st, 2020, (collaborative researchers), and a host researcher(s) (see the list below). Participation to the seminar held in this research center is obliged. (Joining the seminar via web meeting system is acceptable)

(2) Priority Collaborative Research (Max. budget : 200,000 yen*)

Collaborative research with an extramural researcher(s) and host researcher, listed below.

(3) International Collaborative Research (Max. budget : 200,000 yen*)

Collaborative research with an extramural researcher(s), who has a post in the world outside Japan, and host researcher, listed below. The budget is able to be used for the research within Japan.

(4) General Collaborative Research

Collaborative research using the equipment, database and samples owned by the project. The researches which do not fall under the category of (1) to (3).

*Travel expense between abroad and Japan, and the purchase of consumables outside of Japan is NOT eligible.

Types of study		(1) Young	(2) Priority	(3) International	(4) General
Application Deadline		Jan. 27th, 2020			As needed
Declaration Date of Adoption		Feb. 14th, 2020			Accepted date
Application Requirements	Research Director	Extramural researcher under 35 (Student is also acceptable)	Extramural researcher		Extramural or inside researcher
	Research Participants	Extramural or Inside			
	Host Researcher	Required (see following list)			Required *
Maximum Budget		300,000 yen	200,000 yen	200,000 yen	-
Submission of Accomplishment Paper		Required			-

* Inside researchers can apply without the host researcher.

List of Host Researchers

CRiED	Yuichi ONDA, Keisuke SUEKI, Jun ASANUMA, Jun FURUKAWA, Hiroaki KATO, Aya SAKAGUCHI, Tomohiro SEKIGUCHI, Shingo YAMASAKI, Junko TAKAHASHI, Maki TUJIMURA, Keiko YAMAJI, Yuki HATANNO, Tsutomu YAMANAKA, Kimikazu SASA, Michio AOYAMA
IER	Hirofumi TSUKADA Takayuki TAKAHASHI Aleksei KONOPLEV Ismail Md. Mofizur RAHMAN Toshihiro WADA, Shigekazu HIRAO, Yoshifumi WAKIYAMA, Mark ZHELEZNYAK, Vasyl YOSCHNKO, Yasunori IGARASHI, Kenji NANBA, Naoaki SHIBASAKI, Katsuhiko YAMAGUCHI, Yoshitaka TAKAGAI, Seiki KAWAGOE, Shingo KANEKO Yoniyuki YOKOO, Hyoe TAKATA
IREM	Shinji TOKONAMI, Naofumi AKATA, Tomisato MIURA, Masahiro HOSODA, Hirofumi TAZOE, Yuki TAMAKUMA, Chutima KRANROD
JAEA	Kazuki IJIMA, Kensou FUJIWARA, Terumi DOI, Akihiro KITAMURA, Tadafumi NIIZATO, Yoshito SASAKI, Hiroshi KURIKAMI, Yukihisa SANADA, Tadahiko TSURUTA, Takahiro NAKANISHI, Kazuya YOSHIMURA, Motoki TERASHIMA
QST	Yutaka YAMADA, Tatsuo AONO, Sahoo Sarata KUMAR, Zheng JIAN, Masahiko TAKAHAGI, Keiko TAGAMI, Nobumasa ISHII, Shoichi FUMA, Kouichi MARUYAMA, Yoshito WATANABE
NIES	Toshimasa OHARA, Seiji HAYASHI, Hideki TSUJI, Yumiko ISHII, Akira YOSHIOKA, Mai TAKAGI, Kazuto ENDO

CRiED	http://www.ied.tsukuba.ac.jp/
IER	http://www.ier.fukushima-u.ac.jp/
IREM	http://www.irem.hirosaki-u.ac.jp/
JAEA	https://fukushima.jaea.go.jp/fukushima/
QST	https://www.qst.go.jp/site/qms/
NIES	http://www.nies.go.jp/fukushima/

3. Application Requirements

The applicant must be a researcher who is employed full-time at a university or research institution, or a student who belongs to a doctoral course, or a person who has a position equivalent to those (including who is scheduled to receive the position) as of April 1st, 2020. If the applicant is student, the approval of supervisor is needed. Check the applying types of study and if you have to work with host researcher, careful preparation meeting is necessarily.

4. Research Period

From April 1st, 2020 to March 31th, 2021.

5. How to Apply

Please apply using webform according to the guidance on the following web page:

<http://www.ied.tsukuba.ac.jp/ernc/entry/>

If you cannot browse the webform, please contact ERAN office.

6. Application Period and Announcement of Adoption

(1) Collaborative Research for Young Scientists

(2) Priority Collaborative Research

(3) International Collaborative Research

Application deadline: Feb. 14th, 2020

Announcement of Adoption: A research representative will be notified by email after March 16th, 2020. The selected issues will be posted on the ERAN website.

(4) General Collaborative Research

Application and Adoption : Applicants can submit the form as needed and the adoption of each application will be announced to research director individually via e-mail.

7. Budget for the Collaborative Research

Among the applicants for (1) Collaborative Research for Young Scientists, (2) Priority Collaborative Research, and (3) International Collaborative Research, for the application subjects decided upon adoption by the Jury, within the above-mentioned upper limit Allocate joint research expenses. Depending on examination of examination committee, allocation may be reduced rather than the amount of application. Joint research expenses can be used in accordance with the regulations of the recipient such as travel expenses and consumables.

8. Presentation at Kick-off Meeting and Publication of the Achievements

The research representatives of (1) Collaborative Research for Young Scientists, (2) Priority Collaborative Research, and (3) International Collaborative Research will be asked to present the research outline and implementation plan at the kick-off meeting held at the University of Tsukuba in May 2020 (participation and proxy attendance are also possible at the web conference). The research results will be presented at the annual report meeting (planned to be held at Fukushima Prefectural Centre for Environmental Creation in March 2021). Actively participation in a seminar that will be held once a month at this network research center is encouraged for research

representatives of (1) Collaborative Research for Young Scientists (Web participation is also possible).

A report of your project is required to be submit by March 31th, 2021. The report will be published in the website of ERAN.

9. Intellectual Property Right

Attribution of intellectual property rights resulting from joint research with this network research center will be determined by consultation among relevant organizations.

10. Contact and Application Destination

ERAN office

e-mail : eran@ied.tsukuba.ac.jp

Address :

ERAN office

Environmental Dynamics & Prediction Section,

Center for Research in Isotopes and Environmental Dynamics,

University of Tsukuba

Tennodai 1-1-1, Tsukuba, Ibaraki, 305-8572 Japan

11. Other

For collaborative research with this network research center, we will comply with the rules for the organizations receiving collaborative research (concluding a joint research contract, etc.). Please inquire at each receiving organization for usage rules.