

**e-ASIA Joint Research Program (the e-ASIA JRP)
Research Cooperation in the field of
“Environment”
on the topics of
“Climate Change Impact on Natural and Human Systems”
9th Joint Call for Proposals to be submitted by 21st May 2020**

The e-ASIA Joint Research Program (hereinafter referred to as the “e-ASIA JRP”) aims to develop a vibrant and collaborative research community in Science and Technology, to promote innovation in the East Asian region, and to contribute to the region’s economic development. As part of the program, the following Member Organizations of the e-ASIA JRP have agreed to implement a joint call for proposals of multilateral cooperative research activities.

Participating Member Organizations (listed in alphabetical order):

- 1) Australia: National Health and Medical Research Council (NHMRC)¹
- 2) Indonesia: Ministry of Research and Technology/ National Research and Innovation Agency (RISTEK/BRIN)
- 3) Japan: Japan Science and Technology Agency (JST)
- 4) Lao PDR: Ministry of Science and Technology (MOST)
- 5) Philippines: Department of Science and Technology (DOST-PCIEERD)
- 6) Russia: Russian Foundation for Basic Research (RFBR)²
- 7) Thailand: National Science and Technology Development Agency (NSTDA)
- 8) Thailand: National Research Council of Thailand (NRCT)

I. Aim of Joint Call and Research Area

According to the paleontological data it is known that the Earth's climate has not been constant. However, the modern steady increase in mean annual temperature cannot be denied. It is well established that the average surface temperature on Earth over the last century increased by $0,74\pm 0,18$ °C. The 5th Assessment Report of the Intergovernmental Panel on Climate Change shows that in recent decades, changes in climate have caused impacts on natural and human systems on all continents and across the oceans. In this regard, the question arises about its consequences for the Eastern Asia region.

Through multilateral research collaboration in the field of “Environment” the joint

¹ NHMRC confirmed their participation and funding modality for this call. (Updated on 4 March 2020).

² RFBR confirmed their participation and funding modality for this call. (Updated on 18 February 2020)

call aims to contribute to the development of science in the region, explore observed and projected changes in climate, and investigate adaptation/mitigation solutions to climate change that can protect natural and human systems.

Researchers of the countries of participating Member organizations are invited to submit multilateral projects in the following thematic area:

Climate Change Impact on Natural and Human Systems

Invited research projects may address but not limited to observed and projected impacts of climate change and/or adaptation/mitigation solutions to climate change on

- Food production & security

Depending on the area warmer average temperatures could lead to higher or lower crop yields as result of different factors such as changes in amount and timing of precipitation, drought, extreme events, evaporation and others. Extreme rainfall events could result in increased soil erosion and leaching of contaminants into soil, which could damage crops. Warmer temperature and increased carbon dioxide could influence the survival rate of pests, invasive species, insect vectors related to animal diseases, weeds and diseases which affect food systems and food nutrition.

- Threatened ecosystems

Changing climate affects ecosystems in a variety of ways. Some unique and threatened systems with limited adaptive capacity are already at high risk from climate change. Change in climate has consequences on the biophysical environment such as changes in the start and length of the seasons, glacial retreat, decrease in Arctic sea ice extent and a rise in sea level. Warming may force species to migrate to higher latitudes or higher elevations where temperatures are more conducive to their survival. These changes have already had an observable impact on biodiversity at the species level, in terms of phenology, distribution & populations, and ecosystem level in terms of distribution, composition & function, including a negative impact on agriculture and forestry.

- Oceans and Coastal area

As sea level rises, saltwater intrusion into a freshwater system may force some key species to relocate or die, thus removing predators or prey that are critical in the existing food chain. The progressive expansion of oxygen minimum zones

and anoxic “dead zones” is projected to further constrain fish habitat. Highly calcified mollusks, echinoderms, and reef-building corals are more sensitive than crustaceans and fishes, with potentially detrimental consequences for fisheries and livelihoods. Also, in addition to oceans, coastal area will suffer from significant climate change impact in terms of human life and surrounding ecosystem, requiring solutions for sustainable society.

- Extreme weather and natural disasters

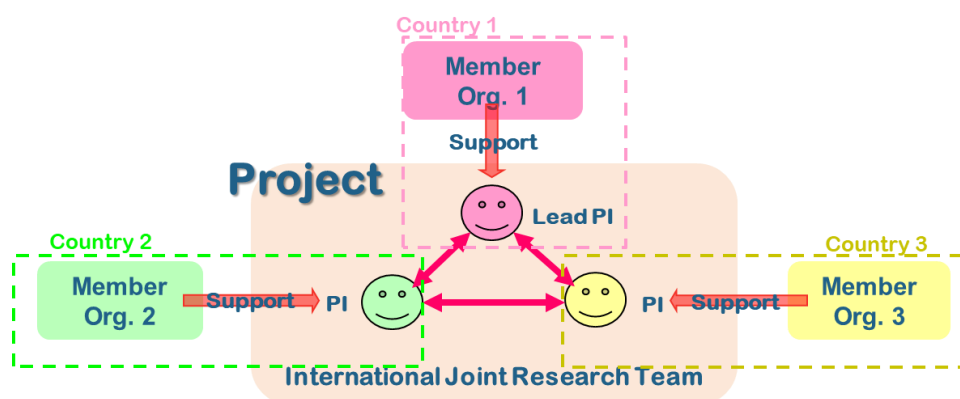
Climate Change may lead to increase number of extreme weather events that result in natural hazards. Global warming could affect storm formation and increase the amount of water vapor that enters the atmosphere resulting in increased number of intense storms. More intense precipitation events may lead to increased flood, landslide, avalanche and mudslide damage. Rising sea levels expose higher locations not usually subjected to the power of the sea and to the erosive forces of waves and currents. More heat in the atmosphere and warmer ocean surface temperatures can lead to increased wind speeds in tropical storms. Extreme heat can increase the risk of other types of disasters such as heatwaves, drought, bushfire.

- Human health

The impacts of climate change threaten human health by transforming cities, food systems, water quality and weather patterns. The direct impacts of heat, drought, and heavy rain may lead to increased mortality as volatile weather patterns result in unlivable cities, food shortages and health pandemics. Increasingly chaotic weather events will affect communities with rising social stresses and chronic poor mental health. The prevalence of non-melanoma skin cancers and cataracts are expected to increase as ambient ultraviolet levels and maximum summertime temperatures rise globally. Warmer global temperatures create favourable conditions for the establishment or re - emergence, of new and existing vector - borne diseases (such as Malaria, Dengue Fever, Tick-Borne Diseases and Chikungunya fever). Additionally, the disruption of local ecosystems or the habitat of species that act as zoonotic reservoirs may indirectly provide ideal pathogenic breeding grounds for transmission to humans.

II. Support/ Funding Modality

In principle, each Member Organization will support its own country’s researchers in a selected research project in this joint call with the type of support defined as “Funding Modality” in the following table below. The duration of a selected research project will be three years (36 months), in total, from the start date. Details of conditions of support will vary by Member Organization. Applicants shall refer to the Appendix for each Member Organization’s rules and regulations.



Participating Member Organizations and Funding Modality

Participating Member Organizations	Funding Modality
(1) NHMRC (Australia) ³	New/ In-kind
(2) RISTEK/ BRIN (Indonesia)	New
(3) JST (Japan)	New
(4) MOST (Lao PDR)	In-kind
(5) DOST-PCIEERD (Philippines)	New, In-kind
(6) RFBR (Russia) ⁴	New
(7) NSTDA (Thailand)	New
(8) NRCT (Thailand)	New

New: Each Member Organization will support a selected project by new funding

Re-budgeting: Funds already allocated to an existing project by each Member Organization will be reallocated to the e-ASIA JRP

³ NHMRC confirmed their participation and funding modality for this call. (Updated on 4 March 2020).

⁴ RFBR confirmed their participation and funding modality for this call. (Updated on 18 February 2020)

In-kind: Each Member Organization of his/her country does not provide budget for a selected project. A researcher participating in a selected project will use funds that are already available, but no additional fund will be provided by each Member Organization from his/her country. In principle, at least one country must participate via “new” or “re-budgeting” funding modality. In other words, proposals cannot be accepted if all the applicants intend to participate through an “in-kind” basis.

III. Application

In addition to the following common requirements, there are specific rules clarified by each Member Organization. For specific rules by each Member Organization, please refer to the Appendix or consult the person noted in Section VI.

III-1. Applicant/ Project Consortium

A project consortium must be consisted of at least three eligible research teams from at least three different participating countries listed above.

Each research team shall be led by a Principal Investigator (PI), and a consortium shall be led by a Lead Principal Investigator (Lead PI) specified among the PIs.

The Lead PI will be responsible for running and managing the project. The Lead PI will be the contact point with the e-ASIA JRP Secretariat on behalf of the whole consortium and is responsible for the administrative management of the complete project, should it be awarded supporting. In addition, the Lead PI is responsible for leading the project activities at his/her own institution. The Lead PI must be affiliated with an institution situated in one of the participating countries in this call.

All PIs must fulfil their respective domestic eligibility rules for research application. Researchers from industry are encouraged to participate in the collaboration in accordance with domestic eligibility rules. PIs should contact the person noted in Section VI for information on their respective domestic eligibility rules.

III-2. Proposal Submission

Proposals must be submitted from the Lead PI by e-mail to the e-ASIA JRP Secretariat at the e-mail address specified below. Applications shall be written in English.

Deadline for Submission:
17:00 (Thai Standard Time, UTC+7) 21st May 2020

Please submit the proposal to:



Yoshihide Kobayashi (Mr.)
e-ASIA JRP Secretariat
E-mail: easia_secretariat@jst.go.jp

Note1: The e-ASIA JRP Secretariat will send a confirmation email to the Lead PI to confirm receipt of his/her proposal. In case the Lead PI does not receive a confirmation e-mail from the e-ASIA JRP Secretariat within one week, they should contact the e-ASIA JRP Secretariat at the address above. The e-ASIA JRP Secretariat does not assume any responsibility for delay or error in e-mail delivery.

Note2: Application forms sent by any method other than e-mail, such as post, fax or telex will be rejected.

< Important Notice to ALL PIs >

Make sure to submit all necessary application documents requested by Member Organizations of your country, in addition to the application to the e-ASIA JRP Secretariat (submitted by Lead PI only). Each Member Organization may request applicants of its country to submit supplementary documentation for the research proposals with different deadline date.

Proposals must meet the common requirements (outlined in this call guideline) **AND** individual requirements requested by each Member Organization.

A research team that does not meet the individual requirements of their Member Organization will be deemed ineligible. For individual requirements of each Member Organization, please refer to the Appendix or consult the person noted in Section VI.

The proposal shall include:

- a) Project description including how the collaboration will be carried out, with clear statements of what roles each country's researchers will play

- respectively in the project;
- b) Description of the expected outcomes of the proposed project, scientifically as well as in terms of relevance for industry and society;
 - c) Description of the ongoing activities and specific advantages of each group respectively, which form the basis for the proposed joint project;
 - d) Description of the expected value added from the proposed joint project, including how the competence, technology and other resources in each group complement each other;
 - e) Description of how the project is expected to help strengthen multilateral research collaboration over the longer term;
 - f) Description of the expected value added from the multidisciplinary approach in the proposed joint project; and
 - g) Description of how the proposed joint project interacts with or impacts other comparable activities worldwide.

III-3. Application Forms

Researchers should prepare the following application (proposal) forms in English (“E”).

For further requirements by each Member Organization, researchers shall refer to the Appendix or shall consult each Member Organization of his/her country.

- Form 1E Application outline (title, acronym, general description and proposed period of cooperative research project)
- Form 2E Summary of the project
- Form 3E Research leaders’ information (their CVs*)
- Form 4E Research team (list of individuals committed to the cooperative research project in each country)
- Form 5E Description of the cooperative research project
- Form 6E Research networking plan
- Form 7E Plan to nurture early career researchers
- Form 8E Budget plan for the project
- Form 9E Research infrastructures and funds from other sources

** The description of Curriculum Vitae (CV) from each PI shall include basic information on education, past and present positions, membership of relevant organizations/associations and a publication list in the past 5 years.*

In addition to the documents above, all projects must comply with ethical review and requirements of each Member Organization, especially for research activities related to human and animal subjects. PIs shall refer to the Appendix for each Member Organization's ethical requirement.

IV. Evaluation

IV-1. Evaluation Process

A proposal will be evaluated at each relevant Member Organization of the project consortium, according to the evaluation criteria clarified in the following subsection.

Based on the results of the evaluation conducted at each Member Organization, a final decision will be made at the joint panel meeting among the participating Member Organizations, followed by approval at the e-ASIA JRP Board Meeting.

IV-2. Evaluation Criteria

Proposals will be evaluated according to the following common e-ASIA JRP evaluation criteria, incorporated with evaluation criteria clarified by each Member Organization. For the evaluation criteria clarified by each Member Organization, please refer to the respective Appendix or consult each Member Organization of his/her country.

1) Regional Relevance of the Research

The research activity should contribute to:

- The advancement of scientific discovery;
- The development of science and technology in the region; and
- The resolution of significant relevant issues across the region.

2) Mutual Benefits of the Joint Research

Activities of mutual benefit to the collaborators and their institutions are desirable. Mutually beneficial in the sense that the projects utilize unique opportunities the e-ASIA JRP will provide that could not be achieved either through bilateral or individual research but only through multilateral cooperation.

3) Effectiveness of Exchange

The project should:

- Contain activities to nurture early career researchers through research activities;
- Contain activities to engage female researchers where strengthening capacity is needed; and
- Enhance research capacity in the region.

IV-3. Notification of the Final Decision

The Lead PI will be notified the final decision by the e-ASIA JRP Secretariat as soon as the final decision is taken and approved by all Member Organizations in the e-ASIA JRP. (Approximate implementation of the notification: End of November 2020)

V. Project Implementation

Project reporting will be in accordance with the respective Member Organization's rules. Please contact respective Member Organizations for more details.

In addition to the Member Organization's requirements, the consortia are expected to deliver Progress Reports and Final Reports to the e-ASIA JRP Secretariat, in English, including a description of their collaboration and a publishable summary of the project status. The Progress and Final Reports will be reviewed by the Board and Scientific Advisory Council. It is also encouraged that the project proactively disseminates its achievements to the public.

V-1. Progress Report

In the middle of research period (i.e., after one and a half year), the lead PI shall promptly develop and submit an integrated progress report to the e-ASIA JRP Secretariat on the status of the joint research.

V-2. Final Report

A final report shall be developed and submitted by the Lead PI to the e-ASIA JRP Secretariat within two months after the completion of the joint research period.

V-3. Others

All the researchers/research institutions organizing a consortium are strongly recommended to conclude a Collaborative Research Agreement (hereinafter referred to as "CRA") to assure optimal understanding and coordination among the collaborating scientists working on each project before project starts. CRA

should, with due respect to the researchers' institutions and the Member Organizations' intellectual property and data handling policy, include the treatment of intellectual property rights, handling of confidential information, publication of research results, warranty and indemnification, and access to and transfer of the relevant materials. Applicants shall refer to the Appendix for each Member Organization's requirement.

VI. Contact information

Applicants should contact the following for information on each Member Organization's eligibility rules or support conditions:

Also please refer to the Appendix for information of each Member Organization.

Country: Member Organization	Contact Point
(1) Australia: National Health and Medical Research Council (NHMRC)	NHMRC Research Help Centre Tel: +61 1800 500 983 (+61 2 6217 9451 for international callers) E-mail: help@nhmrc.gov.au
(2) Indonesia: Ministry of Research and Technology/ National Research and Innovation Agency (RISTEK/BRIN)	Ms. Anggun Amalia Fibriyanti/ Mr. Adhi Indra Hermanu Tel: +62-21-3169119 e-mail: anggunamalia11@gmail.com / manoe@ristekdikti.go.id
(3) Japan: Japan Science and Technology Agency (JST)	Dr. Takashi Kawabe, Mr. Masayoshi Higuchi, Dr. Junko Katayama TEL:+81 (0)3-5214-7375 E-mail: easiajrp@jst.go.jp
(4) Lao PDR: Ministry of Science and Technology (MOST)	Mr. Chittaphong ACHKHAVONG Tel: +85620 2239 9289 E-mail: chittaphong66@yahoo.com
(5) Philippines: Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST -PCIEERD)	Dr. Enrico C. Paringit Tel: (+632) 8837-2071 locals 2100, 2121, 2120 and 2107 E-mail: enrico.paringit@pcieerd.dost.gov.ph

(6) Russia: Russian Foundation for Basic Research (RFBR)	Mr. Yaroslav Sorokotyaga, Mr. Denis Rudik Tel: +7 499 941 0196 E-mail: ysorokot@rfbr.ru , rudik@rfbr.ru
(7) Thailand: National Science and Technology Development Agency (NSTDA)	Ms. Mullika Kulsiripruck Tel: +66 2 117 6931 E-mail: mullika.kul@nstda.or.th
(8) Thailand: National Research Council of Thailand (NRCT)	Ms. Arpar Nateprapai Tel: +66 2 579 2285, +66 2 561 2445 ext. 207 E-mail: arpar.n@nrct.go.th

Applicants should contact the following for general inquiries:



Yoshihide Kobayashi (Mr.)
e-ASIA JRP Secretariat / Japan Science and Technology Agency
Room 218 Innovation Cluster1 Building
National Science and Technology Development Agency (NSTDA)
111 Thailand Science Park, Phahonyothin Road
Khlong Nueng, Khlong Luang, Pathum Thani 12120 THAILAND
Tel: +66-2-564-7713 H/P: +66-61-421-0316
E-mail: easia_secretariat@jst.go.jp

**e-ASIA Joint Research Program (the e-ASIA JRP)
Research Cooperation in the field of
“Environment”
on the topics of
“Climate Change Impact on Natural and Human Systems”
9th Joint Call for Proposals to be submitted by 21st May 2020**

Information about each Member Organization (alphabetical order by country)

- 1) Australia: National Health and Medical Research Council (NHMRC) .. 13
- 2) Indonesia: Ministry of Research and Technology / National Research and Innovation Agency (RISTEK/BRIN) 16
- 3) Japan: Japan Science and Technology Agency (JST) 18
- 4) Lao PDR: Ministry of Science and Technology (MOST) 23
- 5) Philippines: Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST -PCIEERD)..... 24
- 6) Russia: Russian Foundation for Basic Research (RFBR)..... 28
- 7) Thailand: National Science and Technology Development Agency (NSTDA)..... 31
- 8) Thailand: National Research Council of Thailand (NRCT) 33

1) Australia: National Health and Medical Research Council (NHMRC)

(NHMRC confirmed participation to this Call on 4 March 2020.)

This call will support partnerships between Australia and member organisations from countries of the e-ASIA Joint Research Program participating in the 9th Environment Call. NHMRC is supporting applications to the 9th Environment Call that investigate climate change impacts on human health in the e-ASIA region. Applications to the Environment Call outside of this scope will be ineligible.

Eligibility is dependent on the following:

- Projects require support from a minimum of three (3) e-ASIA member organisations including NHMRC, i.e. a research project must consist of an Australian research team collaborating with research teams seeking support from a minimum of two (2) e-ASIA participating member organisations in the relevant call. Support can be provided in the form of New, In-Kind or Re-budgeting modalities. In order for a collaborative project to be successful, at least one form of member organisation support must be New or Re-budgeting. NHMRC is only offering New and In-Kind support modalities for this call.
- Attachment of the e-ASIA Common Application to the NHMRC application form.
- Australian researchers must submit an application to NHMRC to be considered for the NHMRC e-ASIA Joint Research Program. This is of particular importance to those Australian applicants seeking in-kind support only from the NHMRC.
- Member organisations from other e-ASIA countries must be supporting the topic in the call for applications. It is the applicant's responsibility to verify the member organisation participation in respective calls.
- Partnering country applicants are required to submit their applications to their respective member organisation in line with the applicable funding organisation due dates.
- The application must address one or more of the research topics for the Health Research call.

Applications will only be accepted from NHMRC-approved Administering Institutions. A list of NHMRC-approved Administering Institutions is available on

[NHMRC's website](#).

The Chief Investigator A (CIA) and Administering Institution must ensure applications meet all eligibility requirements, as set out in these guidelines, at the time of submission and for the duration of peer review. Applications that do not meet these eligibility requirements may be ineligible and may be excluded from further consideration.

An eligibility ruling may be made by NHMRC at any stage following the close of applications, including during peer review. Where an eligibility ruling is being considered, NHMRC may request further information in order to assess whether the eligibility requirement has been met.

Decisions are made based on current policies and considerations specific to this grant opportunity. Decisions made in relation to previous grant opportunities or other NHMRC funding schemes will not be regarded as precedents and will not be considered when assessing compliance with the requirements of this grant opportunity.

Administering Institutions will be notified in writing of ineligible applications and are responsible for advising applicants.

Grant offers may be withdrawn if eligibility criteria to accept a grant are not met. Action may also be taken over the life of a grant if eligibility criteria to continue holding a grant are not met.

NHMRC staff will not make eligibility rulings before an application is submitted.

Applicants should refer to the full NHMRC e-ASIA 2020 Grant Opportunity Guidelines via the [NHMRC](#) and the [GrantConnect](#) websites.



Australian Government

National Health and Medical Research Council

NHMRC Research Help Centre

Tel: +61 1800 500 983

(+61 2 6217 9451 for international callers)

Refer to the [Research Help Centre webpage](#) for opening hours

E-mail: help@nhmrc.gov.au

2) Indonesia: Ministry of Research and Technology / National Research and Innovation Agency (RISTEK/BRIN)

Indonesian researchers who seek new funds from RISTEK/BRIN need to apply for “International Collaboration (KLN)”, RISTEK/BRIN’s competitive funds. The Indonesian PI MUST be from Higher Education Institutions/University. Other research Institutions may join the project as Co PI. After the awardee list has been announced by the e-ASIA secretariat of the Joint Research Program (the e-ASIA JRP), Indonesia PI should contact RISTEK/BRIN for the proposal submission process.

RISTEK/BRIN requires the Indonesian Principal Investigator to meet conditions by Simlitabmas Guideline, with minimum requirements as follows:

- Applications only are accepted from PI in University. The Indonesian PI MUST be from Higher Education Institutions / University.
- Indonesian citizens and hold a permanent or fixed-term contract in an eligible university or research institute in Indonesia;
- Competent in oral and writing English skills;

The proposed budget submitted must be related to the Minister of Finance Regulation, for each unit/component have a maximum budget at year (standard of special cost and standard of input cost). The awardee selected proposed funding will be subject to assessment by RISTEK/BRIN reviewer. The amount of funds will be determined through the evaluation process by the reviewer assigned by RISTEK/BRIN

Personnel Costs

Costs for student research assistants can be covered if their work is related to the research project, by referring to the Regulation of the Minister of Finance of the Republic of Indonesia, specifically the “Standar Biaya Masukan (Standard of input cost)”.

Mobility of Indonesian and foreign researcher and experts

For Indonesian researcher to the country of research partner:

- Flight to and from destination: economy class flight
- Visa costs
- Transfer to and from the airport
- Daily allowance (the amount depends on the destination, check the standard of input cost)

- Insurance fees

For Foreign researcher:

Our research grant is restricted with Indonesian Financial regulation that limits the use for Indonesian researcher only.

Equipment

Indonesian grant could not be used for equipment.

Scientific events and project meetings in Indonesia or country of research partner

- Room rent
- Catering
- Other costs necessary for the implementation
- Publications
- Travel costs and accommodation for external experts based on the regulation above
- The costs for the event have to be requested by the project partner in the hosting country

Please adjust the simlitabmas guidelines as a reference for funding from Indonesia.

Contact Information

Ms. Anggun Amalia Fibriyanti/ Mr. Adhi Indra Hermanu
Directorate Research and Community Engagement
Ministry of Research and Technology / National Research and Innovation
Agency (RISTEK/BRIN)
Tel: +62-21-3169119
e-mail: anggunamalia11@gmail.com, manoe@ristekdikti.go.id

3) Japan: Japan Science and Technology Agency (JST)

Japan-based applicants must complete all the requirements designated by JST. Information on additional requirements applied to Japan-based applicants are available at the official national call announcement on the JST website.

JST's official national call announcement:

https://www.jst.go.jp/inter/program/announce/announce_easia_jrp_9th.html

I. Eligibility for Japan-based applicants

- Any independent researcher personally affiliated with and actively conducting research at a domestic Japanese research institution (or who will fulfil this requirement by the start of the research project), regardless of nationality, is eligible to apply as a Principal Investigator.
Note: "Domestic Japanese research institution" in Japan refers to universities, independent administrative institutions, national/public testing and research institutions, specially authorized corporations, public - service corporations and enterprises, etc. that must satisfy predetermined requirements designated by Ministry of Education, Culture, Science and Technology (MEXT).
Japan-based researchers from industry are eligible to apply as a Principal Investigator in the joint research project in the Japan-based team.
- Early career researchers who completed his/her doctorate in the last 10 years are strongly encouraged to apply.

II. Support

II-1. Funding Modality

JST will support each Japan-based team with a "new fund" up to 27 million Japanese Yen as direct cost for 36 months. The overhead cost of 30% of direct cost will be added separately. The budget for a project may differ each year, depending on the content of activities. The amounts will be adjusted each year due to the budgetary limitations for this program.

II-2. Expenditure/costs eligible for funding

This program is designed to support expenses related to cooperation by a Japan-based researcher with their counterparts, such as expenses for travel and/or conducting seminars/symposia.

Funding provided within this call is intended to enhance the capacity of the applicants to collaborate. Funding will therefore be provided mainly in support of collaborative activities but may also cover some of the local research costs that

are necessary for the collaboration. In principle, eligible direct costs are those costs directly necessary for accomplishing the research, indicated below. Please refer to the guidance documents available at the following link for further details of eligible direct costs: <https://www.jst.go.jp/inter/research/contract/contract.html> (in Japanese only).

1. Eligible Direct Costs:

- i) **Facilities, Equipment and Consumables:** costs of research equipment, spare parts, prototypes,
- ii) **Travel Costs:** travel costs and associated living expenses of the project members registered in the project plan, and travel costs of inviting external experts.
- iii) **Salaries and Honoraria:** salaries of the researchers, temporary staff, PhD students, post - docs, etc., who are hired for the research, and other costs such as honoraria for invited lecturers.
- iv) **Others:** costs for organizing meetings in Japan including rental costs for the venue, food & beverage (excluding alcohol) costs and other costs which are deemed to be necessary for organizing the event. Expenses for creating software, renting or leasing equipment, transporting equipment, etc.

2. Overhead cost shall be 30% of direct costs.

Note: Please refer to the following link for the provisions regarding indirect costs: <https://www8.cao.go.jp/cstp/compefund/shishin2.pdf> (in Japanese only).

II-3. Payments

Payments will be made according to a contract for commissioned research entered into between JST and a "Domestic Japanese Research Institution". The contract for commissioned research will be renewed each year over the cooperative research period. Since the contract is agreed on condition that all administrative procedures related to this project will be handled within the institution, the PI should consult with the department in charge at his/her institution.

III. Application

Applicants of each Japan-based team are required to complete necessary submission as specified below.

III-1. Submission of Application Forms (Form E1-E9) (from the Lead PI)

Proposals must be submitted by e-mail to the e-ASIA JRP Secretariat.

III-2. Additional Application Forms (For Japan-based applicants only)

In addition to the common Application Forms in English (Form E1-E9), Japan-

based applicants are required to complete and submit additional application forms in Japanese (Forms 1J and 2J) to JST by “e-Rad” (<https://www.e-rad.go.jp/index.html>).

- **Forms 1J and 2J are available from the JST website:**
https://www.jst.go.jp/inter/program/announce/announce_easia_jrp_9th.html
(in Japanese only)
- **The deadline for the “e-Rad” submission:**
19:00 (Japan Standard Time) 21st May 2020

IV. Evaluation of Project Proposals

Independent Committees consisting of experts will evaluate all proposals. Based on the results of the evaluation, a common decision will be decided jointly among Member Organizations participating in the call regarding funding of the selected proposals.

IV-1. Evaluation Criteria

The following evaluation criteria, incorporated with the e-ASIA JRP evaluation criteria (see IV-2. Evaluation Criteria in the Call Guideline), will apply to each application:

i) **Conformity with Program Aims and Designated Research Fields**

The proposed activity shall conform to the aims of the program and the research fields that the program designates. In addition, the applicants shall already have a good research foundation for their proposed activity.

ii) **Capability of Principal Investigators**

The principal investigators of collaborating countries shall have the insight or experience for pursuing the activity and the ability to manage the cooperation and reach the project goals during this program’s period of support. The call aims to take into account the potential of early career researchers who have completed their doctorate in the last 10 years in this role.

iii) **Effectiveness and Synergy of Cooperative Research Project**

The proposed research activity shall be eminent, creative and at an internationally high level in an attempt to produce a significant impact on the development of future science and technology or to solve global and regional common issues or to create innovative technological seeds that can contribute to the creation of new industries in the future.

Moreover, proposed research activities that can be expected to create synergy through collaborative research with the counterpart institution will be preferred. Such synergy could be attained through, for example, the acquisition and/or

application of knowledge, skill and/or know-how of the counterpart researcher.

iv) Validity of Research Plan

The sharing of research activities with the counterpart research institution and the planning of research expenses shall be adequate to realize the proposed research activity.

v) Effectiveness and Continuity of Exchange

Activities characterized by the following examples shall be involved to enhance sustainable research exchange and networking.

- Nurturing of researchers through human resource exchange.
- Sustainable development of research exchange with the counterpart countries initiated by this activity.
- Enhancing the research network between collaborating countries including researchers other than the research leader and members of this activity.
- Improving the presence of science and technology in Japan and the counterpart country.

vi) Validity of Exchange Plan

The planning of exchange activities and their expenses with the counterpart research institute shall be adequate to realize the proposed research activity.

V. Project Implementation/Publications and Intellectual Property

Selected collaborative research projects in this call are expected to start in April 2021, but the schedule is subject to future adjustment due to budgetary conditions. The PIs are obliged to publish research results obtained in the program with acknowledgement of the support received.

PIs supported in this call are required to conclude a Collaborative Research Agreement listing the rights and responsibilities of each project partner, and including regulations on the handling of Intellectual Property Rights. This Agreement shall be signed among the institutions participating in the project.

Scientific and technological outcomes and any other information derived from the collaborative activities supported in this call can be announced, published or commercially exploited with the agreement of all partners in a supported project and according to their national regulations as well as international agreements concerning intellectual property rights.

As for the contract between the “Domestic Japanese research institution” and JST, it stipulates that Article 19 of the Industrial Technology Enhancement ACT (Japanese version of the Bayh-Dole Act) and Article 25 of the ACT on Protection of the Creation, Protection and Exploitation of Content (tentative translation) will be applied to all intellectual property rights belonging to the Japanese institution generated as a result of this project.

VI. Reporting

VI-1. Progress report to JST

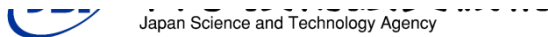
At the end of each fiscal year, the PI of the Japan-based team shall promptly submit an annual progress report on the status of research exchange, and the institution with which the PI is affiliated shall promptly submit a financial report on research expenses to JST.

VI-2. Final report to JST

After completion of the period of joint research, the Japan-based team's PI shall submit within two months a final report on the results of the joint research. The final report shall include a general summary compiled jointly by all members of the Japan-based research group.

The institution with which the PI is affiliated shall submit a financial report on research expenses within the same time frame.

VII. Contact Information



Dr. Takashi Kawabe, Mr. Masayoshi Higuchi, Dr. Junko Katayama
Department of International Affairs
Japan Science and Technology Agency (JST)
Tel: +81(0)3-5214-7375 Fax: +81(0)3-5214-7379
E-mail: easiajrp@jst.go.jp

4) Lao PDR: Ministry of Science and Technology (MOST)

Ministry of Science and Technology is unable to fund Lao researchers; however MOST encourages Lao researchers contribute their work effort in-kind to the project. In the case Lao researchers requires certain support, he/she needs to consult with countries partners and with person in charge from MOST

Contact Information



Mr. Chittaphong ACHKHAVONG
Deputy Director General of Planning and Cooperation
Ministry of Science and Technology (MOST)
Tel: +856 21 213470-132
Mobile: +85620 2239 9289
E-mail: chittaphong66@yahoo.com;

5) Philippines: Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST -PCIEERD)

The national call announcement will be published in the DOST-PCIEERD website : www.pcieerd.dost.gov.ph

I. Eligibility Requirements

Any Filipino, public or private entity with proven competence may apply for funding support provided that projects fall under the specific research areas.

Preference will be given to public and private universities and colleges, Research and Development Institutes (RDIs), R&D Consortia, non-profit laboratories, other public or private non-profit S&T institutions located in the Philippines. Non-profit S&T organizations are those, which: (1) are operated primarily for scientific, educational, service, or similar purposes in the public interest; (2) are not organized primarily for profit; and (3) use its net proceeds to maintain, improve, and/or expand its operations. Non-profit organizations engaged in lobbying activities are not eligible to apply.

Other requirements :

- Shall submit documents/proof of the following, which shall include but not limited to : credentials/proof of capability and track record
- Must not have any existing accountability with DOST and its agencies particularly technical and financial reports
- Must not have pending administrative or criminal case involving financial transactions

II. Support

Two (2) to three (3) projects could be supported under this call. Budget range of US\$300,00 – 350,000 per project for 3 years, or in-kind counterpart shall be provided by DOST-PCIEERD to support the collaborative projects.

III. Application

Interested parties may download the necessary forms at <http://pcieerd.dost.gov.ph/e-forms/call-for-proposal-forms>. Documents shall be submitted to DOST-PCIEERD at the following address **before the Closing Date on 21 May 2020** :

Philippine Council for Industry, Energy and Emerging Technology
Research and Development (PCIEERD)
Department of Science and Technology (DOST)
4th and 5th Levels, Science Heritage Building, DOST Compound,
Gen. Santos Ave., Bicutan, Taguig City
Tel: (632) 837-2071 locals 2100, 2121, 2120
E-mail: pcieerd@pcieerd.dost.gov.ph

Together with the proposal, DOST-PCIEERD requires submission of a formal letter of intent from the applicant and an endorsement from the authorized head of organization. The authorized head of the organization will also be the principal signatory of their organization for the research agreement award.

IV. Evaluation of Project Proposals

Review teams (Project Managers, Technical Experts Team or Technical Panel, and DOST-PCIEERD Management Team) will evaluate each proposal based on the following criteria:

Alignment to the Call, no duplication with previous or existing researches, scientific merit, technical feasibility, soundness of methodology, financial viability (commensurate to intended output and potential impact), potential socio-economic merits, environmental impact (e.g. does not pose significant adverse effect to the environment or will/can improve environmental conditions), and marketability (e.g. potential adoption/use of the industry (manufacturer) and other partners). Each proposal will be given a numerical score and will be ranked accordingly. Preliminary funding recommendations will be forwarded to the DOST-PCIEERD

Governing Council based on this ranking.

The DOST-PCIEERD Governing Council, based on the rankings and preliminary recommendation of the DOST-PCIEERD evaluation teams, will make final funding decisions for the DOST-PCIEERD counterpart before forwarding the proposals to the joint panel of the participating Member Organizations and the e-ASIA JRP Board Meeting for final funding decisions.

In each stage of the DOST-PCIEERD review process, the proponent may need to revise the proposal on the basis of the recommendations of the reviewers. The review process will take 40 working days provided that all the requirements had been submitted.

V. Reporting

Semi-annual progress reports and a detailed final report will be required. Semi-annual progress reports summarize technical progress, planned activities for next semester and summary of expenditures. The final report shall be completed within 90 calendar days after the completion of the period of performance. Required forms are downloadable from the DOST-PCIEERD website and may be provided by the DOST-PCIEERD upon the awarding of the agreement to eligible applicants.

VI. Contact Information



Dr. Enrico C. Paringit

Executive Director

Philippine Council for Industry, Energy and Emerging Technology
Research and Development (PCIEERD)

Department of Science and Technology (DOST)

4th and 5th Levels, Science Heritage Building, DOST Compound,
Gen. Santos Ave., Bicutan, Taguig City

Tel: (+632) 8837-2071 locals 2100, 2121, 2120 and 2107

E-mail: enrico.paringit@pcieerd.dost.gov.ph

6) Russia: Russian Foundation for Basic Research (RFBR)

(RFBR confirmed participation to this Call on 18 February 2020.)

The official national call announcement for Russia (RFBR) is published on the RFBR website:

https://www.rfbr.ru/rffi/ru/contest/n_812/o_2103315

I. Eligibility for Russian applicants

Who can apply:

- Any Russian citizen(s);
 - Foreign citizen(s) or apatride(s) holding a status of Russian Federation resident for tax purposes.
- thereafter - Russian researchers.

RFBR will find only one Russian research team per each selected project. Russian research team may consist from 2 to 10 Russian researchers. Despite Russian researchers may have different affiliation, in case the project will be among selected for funding, RFBR grant award to Russian research team should be managed through only one Russian research performing legal entity. Therefore Russian researchers participating in a single project should agree beforehand through which legal entity they will manage grant award and appoint a person (Russian research team Leader) to be responsible for acting on behalf of Russian research team in communication with RFBR including management of grant award.

II. Support

Within each selected international consortium, funding of the participating researchers is provided by their respective national funding organization in accordance with their standard award terms and conditions. RFBR provides funding only for Russian research teams.

RFBR funding within this call will cover a three year period. The funding of each Russian research team may be expected between 3 000 000 – 4 000 000 roubles per each project implementation year. The number of supported projects will

strongly depend on number of applications, quality of proposals, and available budgets of RFBR and other e-Asia JRP Participating Member Organizations.

The participants of research projects should aim towards equal international collaboration, both in terms of workload and funds requested, involvement of early-career researchers in project implementation is encouraged.

Detailed list of eligible costs is stated in official national call announcement (paragraph 7.4).

III. Application

Russian applicants should submit a national proposals to RFBR through KIAS system (<http://kias.rfbr.ru>) **no later than 23:59 (Moscow time) 1 June 2020**.

Please refer to national call announcement at

https://www.rfbr.ru/rffi/ru/contest/n_812/o_2103315 for more details and instructions on procedure.

IV. Evaluation of Project Proposals

All proposals will undergo evaluation by RFBR experts according to RFBR internal rules and procedures (published on www.rfbr.ru). After national evaluation is completed an international independent committee represented by e-Asia JRP Participating Member Organizations will review outcomes of national evaluations. Based on the results of the national evaluations, a common decision on list of selected projects will be jointly taken by e-Asia JRP Participating Member Organizations.

V. Contact Information

More details on application and funding procedures and on respecting deadlines are published in RFBR national call announcement at https://www.rfbr.ru/rffi/ru/contest/n_812/o_2103315. If any issues are still have to be clarified, please address National Contact Points below for further details:

Contact Information



RUSSIAN
FOUNDATION
FOR BASIC
RESEARCH

Yaroslav Sorokotyaga
Russian Foundation for Basic Research
+74999410196
ysorokot@rfbr.ru

Denis Rudik
Russian Foundation for Basic Research
+74999410196 (ext.1625)
rudik@rfbr.ru

7) Thailand: National Science and Technology Development Agency (NSTDA)

I. Eligibility for Thai applicants

The applicants must be researchers and/or university professors/instructors who work in public research institute or university in Thailand, and are competent in conducting a research with international partners.

"NSTDA will provide support only for the area of Food Production & Security / Threatened ecosystems / Extreme weather and natural disasters."

II. Support

The total budget for the Thai researcher over a full 3-year period is up to 5,000,000 THB. The budget for a project may differ each year, depending on the content of activities.

III. Evaluation of Project Proposals

Proposals will be peer-reviewed, and evaluated by a committee. The final selection will be done by the international selection committee of e-ASIA.

III.I Evaluation Criteria

To be funded, proposals must be internationally competitive. It should lead to the advancement of the research field, or novel applications or increase of research capacity.

Key evaluation criteria are:

- Significance and impact of the research
- Scientific Rationale: novelty, importance and timeliness of the research
- Design and feasibility of the project plan
- Partnership: including strength and clarity of collaborations and opportunities provided, quality of the project management structure proposed;
- Quality and suitability of the research environment and of the facilities;
- Ethical considerations and governance arrangements

IV. Grant Manual

More details on NSTDA funding procedures at

<http://waa.inter.nstda.or.th/stks/pub/2014/20141030-grant-manual-cpmo.pdf>

V. Reporting

- Every six month, the Thailand PI shall promptly submit a progress report on the status of joint research to NSTDA.
- After completion of the period of joint research, the Thailand PI shall submit within two months a final report on the results of the joint research to NSTDA.

Contact Information



Ms. Mullika Kulsiripruck

International Relation Officer

International Collaboration

National Science and Technology Development Agency

Tel: +66 2 117 6931

E-mail: mullika.kul@nstda.or.th

8) Thailand: National Research Council of Thailand (NRCT)

I. Eligibility for Thai applicants

The applicants must be researchers and/or university professors/instructors who work in public research institute or university in Thailand, and are competent in conducting a research with international partners.

"NRCT will provide support only for the area of Oceans and Coastal Area/ Human Health."

II. Support

The total budget for the Thai researcher over a full 3-year period is up to 3,000,000 THB. The budget for a project may differ each year, depending on the content of activities.

III. Application

Thai applicants should submit a national proposal to NRCT through NRCT system (NRMS:<http://nrms.go.th>) no later than 23.59 (Thai time) **18 May 2020.**

IV. Evaluation of Project Proposals

Proposals will be peer-reviewed, and evaluated by a committee according to NRCT internal rules and procedures. The final selection will be done by the international selection committee of e-ASIA.

IV.I Evaluation Criteria

To be funded, proposals must be internationally competitive. It should lead to the advancement of the research field, or novel applications or increase of research capacity.

Key evaluation criteria are:

- Significance and impact of the research
- Scientific Rationale: novelty, importance and timeliness of the research
- Design and feasibility of the project plan
- Partnership: including strength and clarity of collaborations and opportunities provided, quality of the project management structure proposed;

- Quality and suitability of the research environment and of the facilities;
- Ethical considerations and governance arrangements

V. Reporting

- Thailand PI should submit a progress report on the status of joint research according to NRCT's funding procedures.
- After completion of the period of joint research, the Thailand PI shall submit within two months a final report on the results of the joint research to NRCT.

Contact Information



Ms. Arpar Nateprapai
Foreign Relations Officer
Division of International Affairs
National Research Council of Thailand
Tel: +66 2 579 2285, +66 2 561 2445 ext. 207
E-mail: arpar.n@nrct.go.th

General inquiries



Yoshihide Kobayashi (Mr.)

e-ASIA JRP Secretariat / Japan Science and Technology Agency

Room 218 Innovation Cluster1 Building

National Science and Technology Development Agency (NSTDA)

111 Thailand Science Park, Phahonyothin Road

Khlong Nueng, Khlong Luang, Pathum Thani 12120 THAILAND

Tel: +66-2-564-7713 H/P: +66-61-421-0316

E-mail: easia_secretariat@jst.go.jp