

**e-ASIA Joint Research Program (the e-ASIA JRP)**  
**Research Cooperation in the field of**  
**“Advanced Interdisciplinary Research towards Innovation”**  
**on the topics of**  
**“Water Resource Management”**  
**9<sup>th</sup> Joint Call for Proposals to be submitted by 23<sup>rd</sup> April 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) Indonesia: Ministry of Research and Technology / National Research and Innovation Agency (RISTEK/BRIN)
- 2) Japan: Japan Science and Technology Agency (JST)
- 3) Lao PDR: Ministry of Science and Technology (MOST)
- 4) Philippines: Department of Science and Technology – (DOST-PCIEERD)
- 5) Russia: Russian Foundation for Basic Research (RFBR)<sup>1</sup>
- 6) Thailand: Agricultural Resource Development Agency (ARDA)
- 7) Vietnam: Ministry of Science and Technology (MOST)

### **I. Aim of Joint Call and Research Area**

The aim of the Joint Call is to strengthen multilateral collaboration among researchers of the countries participating in the call and to solve issues common across the region and required from the society in the area of “**Water Resource Management**” in the field of “Advanced Interdisciplinary Research towards Innovation”.

“Advanced Interdisciplinary Research towards Innovation” was defined as one of the seven major topics for the e-ASIA JRP when it started in 2012. Infrastructure was chosen as the driving force of the interdisciplinary research. After two workshops in 2013 and 2014 on this topic, transportation, energy and water are confirmed to be the three most fundamental problems in infrastructure in the

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<sup>1</sup> RFBR to confirm their participation and funding modalities for the 2020 e-ASIA call in early 2020.

participating countries.

After accumulating individual researches on individual technologies for each infrastructure, the ultimate goal of the research is to induce “science of infrastructure” by identifying methods of science, technology and innovation common to all three infrastructures. The current hypothesis of the science consists of:

- a) Analyzing the natural and the social environment where the infrastructure is,
- b) Modeling and simulating the infrastructure of the real-world into the cyber-world,
- c) Optimizing the models inside the cyber-world,
- d) Implementing the optimized models of the cyber-world into the real world.

Each research in this topic is expected to contribute to any one of a)-d) or some combination of a)-d) as one particular example.

The first joint call for proposal was issued on intelligent transportation infrastructure in 2015. The second was announced on intelligent energy infrastructure in 2017. Actual research projects were adopted and have been pursued for the both calls. The annual board meeting of the e-ASIA JRP in 2019 decided to call for proposals on “**Water Resource Management**” in the field of “Advanced Interdisciplinary Research towards Innovation”.

Under the thematic area of “**Water Resource Management**”, researchers are encouraged to submit multilateral research projects contributing to the above-mentioned target to achieve the SDGs. Possible research items include but are not limited to:

technologies for water resource management in water infrastructure for

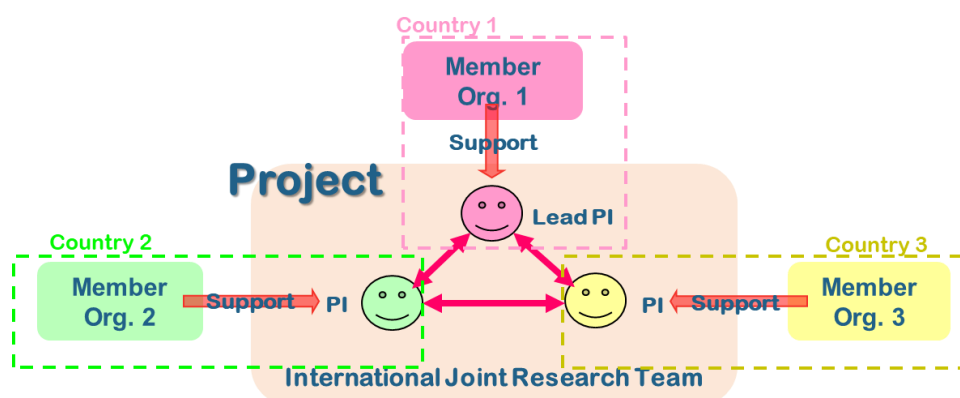
1. climate change adaptation and mitigation,
2. water quality monitoring and control,
3. advanced management and operation,
4. predicting water resources availability in terms of climate and land use changes,
5. enhancing disaster risk reduction and resilience,
6. integrated water resource management in oceans,

7. comprehensive water resources at the river basin scale,
8. water-energy-food nexus,
9. alleviating the water problems arising from agriculture,
10. improving water security,
11. sanitation and health for all,
12. water reuse & recycle, resource recovery from wastewater and pollution control,
13. sustainable cities with a low carbon footprint,
14. next generation application of AI, IoT, robotics, or other advanced ICTs
15. next generation application of advanced materials for advanced water treatment,

Proposals of technologies accompanied by social science are welcome. However, proposals for the purpose of social science research only without any technological contribution will not be accepted.

## **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**

<b>Participating Member Organizations</b>	<b>Funding Modality</b>
(1) RISTEK/BRIN (Indonesia)	New
(2) JST (Japan)	New
(3) MOST (Lao PDR)	In-kind
(4) DOST-PCIEERD (Philippines)	New, In-kind
(5) RFBR (Russia) <sup>1</sup>	New
(6) ARDA (Thailand)	New
(7) MOST (Vietnam)	New, In-kind

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

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) 23<sup>rd</sup> April 2020**

Please submit the proposal to:



**Yoshihide Kobayashi (Mr.)**

**e-ASIA JRP Secretariat**

**E-mail: [easia\\_secretariat@jst.go.jp](mailto: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.

<b>Country: Member Organization</b>	<b>Contact Point</b>
(1) Indonesia: Ministry of Research	Ms. Anggun Amalia Fibriyanti/ Mr. Adhi

and Technology/ National Research and Innovation Agency (RISTEK/BRIN)	Indra Hermanu Tel: +62-21-3169119 e-mail: <a href="mailto:anggunamalia11@gmail.com/manoe@ristekdikti.go.id">anggunamalia11@gmail.com/ manoe@ristekdikti.go.id</a>
(2) Japan: Japan Science and Technology Agency (JST)	Dr. Takashi Kawabe, Mr. Masayoshi Higuchi, Dr. Junko Katayama TEL: +81 (0)3-5214-7375 E-mail: <a href="mailto:easiajrp@jst.go.jp">easiajrp@jst.go.jp</a>
(3) Lao PDR: Ministry of Science and Technology (MOST)	Mr. Chittaphong ACHKHAVONG Tel: +85620 2239 9289 E-mail: <a href="mailto:chittaphong66@yahoo.com">chittaphong66@yahoo.com</a>
(4) Philippines: Department of Science and Technology –Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST -PCIEERD)	Dr. Enrico C. Paringit DOST-PCIEERD Tel: +639178113147 E-mail: <a href="mailto:enrico.paringit@pcieerd.dost.gov.ph">enrico.paringit@pcieerd.dost.gov.ph</a>
(5) Russia: Russian Foundation for Basic Research (RFBR)	Mr. Yaroslav Sorokotyaga, Mr. Denis Rudik Tel: +7 499 941 0196 E-mail: <a href="mailto:ysorokot@rfbr.ru">ysorokot@rfbr.ru</a> , <a href="mailto:rudik@rfbr.ru">rudik@rfbr.ru</a>
(6) Thailand: Agricultural Research Development Agency (ARDA)	Ms. Somying Theeradach Tel: 0-2579-7435 Ext. 3604 E-mail: <a href="mailto:somying@arda.or.th">somying@arda.or.th</a>
(7) Vietnam: Ministry of Science and Technology (MOST)	Ms. Bui Thi Thu Lan Tel: (+84 4) 3943 9192 Email: <a href="mailto:btlan@most.gov.vn">btlan@most.gov.vn</a>

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](mailto:easia_secretariat@jst.go.jp)

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Information about each Member Organization (alphabetical order by country)

- 1) Indonesia: Ministry of Research and Technology/ National Research and Innovation Agency (RISTEK/BRIN) ..... 13
- 2) Japan: Japan Science and Technology Agency (JST) ..... 15
- 3) Lao PDR: Ministry of Science and Technology (MOST) ..... 20
- 4) Philippines: Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD) ..... 21
- 5) Russia: Russian Foundation for Basic Research (RFBR) ..... 24
- 6) Thailand: Agricultural Research Development Agency (ARDA) ..... 25
- 7) Vietnam: Ministry of Science and Technology (MOST) ..... 27

## **1) 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](mailto:anggunamalia11@gmail.com), [manoe@ristekdikti.go.id](mailto:manoe@ristekdikti.go.id)

## 2) 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](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](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) 23<sup>rd</sup> April 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](mailto:easiajrp@jst.go.jp)

### **3) 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;

**4) 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](http://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 23 April 2020 :

Philippine Council for Industry, Energy and Emerging Technology  
Research and Development (PCIEERD)  
Department of Science and Technology (DOST)  
4<sup>th</sup> and 5<sup>th</sup> 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](mailto: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.

## 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)

4<sup>th</sup> and 5<sup>th</sup> Levels, Science Heritage Building, DOST Compound,

Gen. Santos Ave., Bicutan, Taguig City

Tel: +639178113147; (632) 837-2071 locals 2100, 2121, 2120

E-mail: [enrico.paringit@pcieerd.dost.gov.ph](mailto:enrico.paringit@pcieerd.dost.gov.ph)

**5) Russia: Russian Foundation for Basic Research (RFBR)**

RFBR will confirm participation in the 2020 e-ASIA Research Call in early 2020. Details will be published on the e-ASIA JRP website and the RFBR website.

**Contact Information**



**RUSSIAN  
FOUNDATION  
FOR BASIC  
RESEARCH**

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## **6) Thailand: Agricultural Research Development Agency (ARDA)**

### **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.

"ARDA will provide support only for the area of **Water Resource Management**"

### **II. Support**

The budget for a project may differ in each project and each year, depending on the content of activities.

### **III. Application**

Thai applicants should submit a national proposal to ARDA through ARDA system (NRMS:<http://nrms.go.th>) no later than 23.59 (Thai time) 17 April 2020.

### **IV. Evaluation of Project Proposals**

Proposals will be peer-reviewed, and evaluated by a committee according to ARDA 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 ARDA'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 ARDA.

## **Contact Information**



Ms.Somying Theeradech  
Director  
Office of ARDA Executive Director  
Agriculture Research Development Agency (ARDA)  
Tel: 0-2579-7435 Ext. 3604

## 7) Vietnam: Ministry of Science and Technology (MOST)

Please kindly visit the website to get further information in details relating to the internal procedures of Viet Nam as followings: <http://www.most.gov.vn/>

The Vietnamese PI must finish the application form in Vietnamese template and send to MOST. For the “in-kind” projects, the Vietnamese applicants must send information to MOST for further internal procedures and notation.

Or please consult the person in charge directly:

### Contact Information



Ms. Bui Thi Thu Lan  
Head of Division  
General Affairs and Multilateral Cooperation Division  
Department of International Cooperation  
Ministry of Science and Technology (MOST)  
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## **General inquiries**



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