-- 14th Call Guideline --

The e-ASIA Joint Research Program (e-ASIA JRP)

Research Cooperation in the Field of

Alternative Energy

On the sub-topics of

Hydrogen (Production & Storage; Biohydrogen & Hydrogen from waste), Fuel (Biofuel & Aviation Fuel), and Energy Storage

14th Joint Call for Proposals to be submitted by 31 March 2025

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 Member Organizations of the e-ASIA JRP listed below have agreed to implement a joint call for proposals of multilateral cooperative research activities.

Participating Member Organizations (listed in alphabetical order)

1) **China:** National Natural Science Foundation of China (NSFC)
2) **Indonesia**: National Research and Innovation Agency (BRIN)
3) **Japan**: Japan Science and Technology Agency (JST)
4) **Myanmar**: Ministry of Science and Technology (MOST)
5) **Philippines**: Department of Science and Technology, Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)
6) **Singapore:** Agency for Science, Technology and Research (A*STAR)
7) **Thailand**: National Research Council of Thailand (NRCT)

There are some additional requirements to fulfil the eligibility for the following organizations, please refer to below table:

Member Organizations	Eligibility/Additional requirements
1. National Natural Science Foundation of China (NSFC)	(1) Chinese applicants are required to complete application submission via the NSFC Grant System: http://grants.nsfc.gov.cn/ **AND** a copy of the research consortium's e-ASIA Common Application must be attached to the application. (2) Deadline of submission to NSFC Grant System: 16:00 (China Standard Time, UTC+8) on 2 April 2025. (3) Chinese applicants must be researchers affiliated with a higher education or research institution which registers in NSFC. Chinese Principal Investigator (PI) must have a senior academic rank (title) and have/had been the PI of at least one on-going or completed NSFC research project with the duration of no less than 3 years. (4) Please refer to the Chinese guidelines for details on the eligibility for Chinese applicants (https://www.nsfc.gov.cn/).
2. National Research and Innovation Agency (BRIN)	(1) BRIN requires that collaborations must include a Lead PI or PI from participating member organisations. (2) Indonesian applicants are required to complete application submission via the BRIN Pendanaan System: https://pendanaan-risnov.brin.go.id **AND** the Indonesian Lead PI of each project must also submit an application to the e-ASIA JRP Secretariat via email. (3) Deadline of submission to BRIN Pendanaan System by 17:00 (Western Indonesian Time, UTC+7) on 31 March 2025 (4) Applications to BRIN must meet the minimum requirements as described in the RIIM Kolaborasi Internasional e-ASIA JRP Guidelines, available on BRIN Pendanaan System: https://pendanaan-risnov.brin.go.id.

Member Organizations	Eligibility/Additional requirements
3. Japan Science and Technology Agency (JST)	(1) Any independent researcher personally affiliated with and actively conducting research at a domestic Japanese research institution, regardless of nationality, is eligible to apply as a Principal Investigator. JST can accept applications from Japanese researchers for which the proposals are with researchers from China, Indonesia, the Philippines, Singapore or Thailand. (2) In addition to the common Application Forms in English (Form 1E-9E), Japan based applicants are required to complete and submit national application forms in Japanese (Form 1J and 2J) to JST by "e-Rad" (https://www.e-rad.go.jp/index.html) (3) Deadline of submission to e-Rad System before 14:00 (Japan Standard Time, UTC+9) on 31 March 2025
4. Ministry of Science and Technology (MOST)	(1) The applicants must be Researchers and /or University Professors/Instructors who work in Public and Private Institute or University in Myanmar and are competent in conducting a Research with International Partners. (2) Myanmar applicants are advised to review the call text available on the website: http://www.dri.gov.mm. (3) Applicants must send a signed PDF version of the application including the institution's stamp to the Myanmar National Focal Point before the Closing Date on 31 March 2025.

Member Organizations	Eligibility/Additional requirements
5. Department of Science and Technology, Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)	(1) Any Filipino connected with public and private universities and colleges and Research and Development Institutes, with proven competence may apply for funding support provided that projects fall under the specific research areas. (2) Filipino researchers should be connected with any public and private universities and colleges and Research and Development Institutes. The eligibility of the Philippine Principal Investigator shall be determined by DOST-PCIEERD based on his/her readiness in terms of technical, managerial, financial, and marketing capabilities (if necessary). (3) Interested parties should submit their applications using the DOST-GIA proposal format through the DOST e-proposal portal, http://dpmis.dost.gov.ph before the Closing Date on 31 March 2025, 5:00 PM (Philippines Standard Time, UTC+8): Together with the application, DOST-PCIEERD requires submission of a formal letter of intent from the applicant and an endorsement from the authorized head of the organization.
6. Agency for Science, Technology and Research (A*STAR)	(1) Lead PI/PI must be an independent researcher from public sector research performers, namely the Institutes of Higher Learning (universities and polytechnics), A*STAR Research Institutes, as well as other non-defence-related public sector agencies (e.g., Ministries, Statutory Boards). (2) Lead PI/PI must hold a primary appointment of at least 75% in a local publicly funded institution and salaried by the institution. (3) Singapore-based applicants must first obtain a written endorsement from their respective Singapore Host Institutions to support the project. This endorsement must take the form of a written approval. (4) The project's Lead PI, whether based in Singapore or elsewhere, is responsible for submitting this written endorsement along with the application form to A*STAR (as the Singapore

Member Organizations	Eligibility/Additional requirements
	representative for e-ASIA) and the e-ASIA JRP Secretariat by the stipulate deadline. (5) Therefore, Singapore-based PIs are required to forward the written endorsement from their Host Institutions to their respective Lead PIs. This endorsement should be submitted as a supporting document to the e-ASIA JRP Secretariat, and a copy should be sent to A*STAR.
7. National Research Council of Thailand (NRCT)	(1) The applicants must be "Thai" researchers and/or university professors/instructors who work in public research institute or university in Thailand and are competent in conducting research with international partners. (2) Thai PI must submit Thai application form through the online NRIIS platform (https://nriis.go.th) in accordance with NRCT regulations no later than 17.00 (Bangkok time, UTC+7) on 31 March 2025.

IMPORTANT NOTE: It is essential to read the call guidelines thoroughly, as they may impact the eligibility of the entire research team. For further information regarding eligibility and additional requirements, please refer to the Appendix.

I. Aim of Joint Call and Research Area

The aim of the e-ASIA JRP 14th Call in the field of 'Alternative Energy' is to strengthen multilateral collaboration among researchers of the participating countries to solve issues commonacross the region, in the field of "Alternative Energy" specifically the topics of 'Hydrogen (Production & Storage; Biohydrogen & Hydrogen from waste)'; 'Fuel (Biofuel & Aviation Fuel)', and 'Energy Storage'. This is in alignment with the regional key Carbon Net Zero commitments by 2050.

I-1. Background

The ASEAN region is making significant progress in embracing alternative energy sources. While challenges persist, the joint commitment to renewable energy development is

fostering a sustainable energy future. The region aims to achieve a renewable energy mix target of 31% by 2050. Energy efficiency measures have been effectively implemented in ASEAN to enhance energy security, address climate change, and improve competitiveness. As such, the R&D directions of the ASEAN region for sustainable alternative energy focus on investing in green energy technologies, increasing renewable energy utilization, fostering regional cooperation, and advancing innovation to achieve decarbonization and sustainable development goals.

Japan has attempted to strengthen the alternative energy research collaboration between ASEAN countries and Japan under the framework of e-ASIA JRP and other collaborative research schemes.

Through these research efforts, the researchers have succeeded in providing new scientific findings in the research areas. Despite these advances, there remains a need for further innovations leading to social implementation of the research outcomes.

I-2. Research Area

The endeavor to achieve sustainable and eco-friendly energy solutions relies significantly on the alternative energy value chain, which plays a pivotal role in transforming the way we produce, convert, and manage energy. This value chain encompasses three critical components that synergistically contribute to a cleaner and more efficient energy landscape such as 'Hydrogen (Production & Storage; Biohydrogen & Hydrogen from waste)'; 'Fuel (Biofuel & Aviation Fuel)', and 'Energy Storage'. Further details regarding the specific sub-topics for which we are seeking proposals are provided below to guide applicants.

The seven (7) Participating MOs will be taking part in the following sub-topics:

Participating MO	**Hydrogen** *(Production & Storage; Biohydrogen & Hydrogen from waste)*	**Fuel** *(Biofuel & Aviation Fuel)*	**Energy Storage**
National Natural Science Foundation of China (NSFC)	✓	✓	✓
Indonesia: National Research and Innovation Agency (BRIN)	✓	✓	✓

Participating MO	**Hydrogen** *(Production & Storage; Biohydrogen & Hydrogen from waste)*	**Fuel** *(Biofuel & Aviation Fuel)*	**Energy Storage**
Japan Science and Technology Agency (JST)	✓	✓	✓
Myanmar: Ministry of Science and Technology (MOST)	✓		
Philippines: Department of Science and Technology (DOST-PCIEERD)	✓	✓	✓
Singapore: Agency for Science, Technology and Research (A*STAR)	✓	✓	✓
Thailand: National Research Council of Thailand (NRCT)	✓		

1) Sub-topic 1: Hydrogen

(Production & Storage; Biohydrogen & Hydrogen from waste)

Green Hydrogen and Hydrogen Economy: Hydrogen, in addition to being an alternative energy source, has applications as an alternative fuel and offers environmentally friendly combustion. However, the commercial use of clean hydrogen fuel faces economic challenges related to its production, storage, transportation, and utilization. To address these constraints, this topic welcomes proposals on:

a. **Cost-Effective Biohydrogen Production and Water Bio-Splitting:** This topic prioritizes the development of cost-competitive biohydrogen production methods and bio-splitting of water, aiming to overcome barriers related to production viability and competitiveness in the hydrogen fuel sector.

b. **Research on Green Hydrogen for Heavy Industries:** Exploring the use of green hydrogen in energy-intensive sectors such as steel, aluminum, and cement, including its role in generating electricity to comply with initiatives like the Carbon Adjustment Mechanism before Borders (CBAM) of the European Union or similar mechanisms.

c. **Study on the Development of Hydrogen Economy Ecosystem:** This topic delves into the factors supporting the production, transportation, storage, and utilization of hydrogen, with a focus on building a robust hydrogen economy.

2) Sub-topic 2: Fuel
(Biofuel & Aviation Fuel)

Bioenergy: Bioenergy & Biofuels: Bioenergy, encompassing biofuels and bio-based energy sources, harnesses the potential of biomass. This biomass comprises a range of materials, including agricultural and forest residues, energy crops, sewage sludge, biogenic components in municipal solid waste, microalgae, and various organic materials. It serves as a renewable energy source with the capacity to be converted into multiple useful forms of energy, including heat, electricity, and transport fuels. Specifically for sustainable aviation fuels (SAF), R&D must be aligned to the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA) criteria with respect to SAF production. Biomass conversion processes are achieved through diverse technologies, primarily categorized into thermal methods (such as direct combustion, gasification, pyrolysis, and hydrothermal treatment) and biochemical processes (including direct catalytic conversions like fermentation).

Within this context, this call for proposals welcomes submissions on the following themes:

a. **Utilization and Advancement of Agricultural Waste for Alternative Energy and Carbon Mitigation:** This involves exploring the use of wood pellets as an alternative energy source and integrating various feedstock sources, such as microalgae and bacteria, to maximize the utilization of residual biomass for high-value products.

b. **Zero-Waste Approach to Biomass Collection and Conversion Technologies:** This will prioritize proposals that adopt an integrated 'zero-waste' approach, ensuring the efficient collection and utilization of biomass for conversion into essential energy forms, including heat, electricity, and various fuels.

c. **Integration of Biomass Waste-to-Energy Technologies into Existing Industries:** Proposals should seamlessly incorporate biomass Waste-to-Energy technologies into established industrial processes, enhancing sustainability and reducing environmental impact.

d. **Development of Sustainable Transportation Fuels:** This involves advancing *sustainable aviation fuel* and *sustainable marine fuel*, contributing to the

reduction of greenhouse gas emissions and promoting cleaner modes of transportation.

e. **Hydrogen Production from Biomass and Its Diverse Applications:** This encompasses hydrogen production from biomass and its various applications, including residential heating, vehicles, and industry, with a focus on sustainability and efficiency.

As such, the integration of Techno-Economic and Life Cycle Assessments through these initiatives is crucial and highly sought as we aim to pave the way for a more sustainable and energy-efficient future, harnessing the potential of biomass and bioenergy to address critical energy and environmental challenges.

3) Sub-topic 3: Energy Storage

The global imperative to transition towards a sustainable energy future has never been more pressing. Addressing climate change and reducing greenhouse gas emissions are paramount concerns. As the electric vehicle (EV) market expands and renewable energy sources become increasingly integrated into our energy grids, the role of advanced materials in energy storage has gained critical significance. These materials underpin the clean energy revolution by facilitating the widespread adoption of electric vehicles, enabling efficient energy storage from intermittent renewables, and reinforcing grid stability.

Hence, this topic focus centers on advancing Electrochemical Energy Storage (EES) technologies, serving the dual purposes of electric vehicles (EVs) and stationary energy storage applications. It welcomes proposals spanning various domains:

a. **Fuel Cell and Hydrogen Technology:** Exploring the extensive potential of fuel cells and hydrogen technology for energy storage, aligning with the quest for cleaner and more efficient power sources in both mobile and stationary contexts.

b. **Supercapacitors:** This research topic should delve into the realm of supercapacitors, a technology promising rapid energy discharge and recharge. Supercapacitors bridge the gap between traditional batteries and capacitors, offering unique advantages for energy storage.

c. **Rechargeable Batteries:** Encompassing rechargeable batteries, this research area not only includes established Li-ion-based chemistries but also extends to alternative chemistries beyond Li-ion, such as Sodium, Zinc, Aluminum, and more.

The research explores multi-ion approaches like Lithium-Ion and Sodium-Ion, introducing novel dimensions to battery technology.

d. **Development of Conductive Materials as Additives:** Recognizing the importance of extending the lifespan of energy storage solutions, this research area focuses on the development of conductive materials as additives. This aims to enhance the performance and longevity of Nickel-Manganese-Cobalt (NMC) batteries and similar technologies.

e. **Recycling of Spent Battery Materials:** Sustainability remains at the core of this research area, focusing on effective methods to recycle materials extracted from spent batteries. Closing the materials loop contributes to environmental preservation and resource efficiency.

f. **Carbon-based materials (from agricultural and kitchen wastes) for battery applications:** This groundbreaking avenue explores harnessing biomass from agricultural and kitchen waste, converting it into biochar. Biochar holds promise for fuel cell and supercapacitor applications, offering an eco-friendly and cost-effective source of carbon-based materials.

II. Support/ Funding Modality

In principle, each Member Organization will provide support for its own country's researchers involved in projects selected for funding through this joint call, in accordance with the support types defined under "Funding Modality" in the table below.

The duration of each selected research project will be three years (36 months) from the start date. The specific conditions of support may vary by Member Organizations. Therefore, applicants are encouraged to review the information in the Appendix for the rules and regulations applicable to each Member Organization.

II-1 Participating Member Organizations and Funding Modality

Participating Member Organizations	Funding Modality		
	Sub-topic 1: Hydrogen	**Sub-topic 2: Fuel**	**Sub-topic 3: Energy Storage**
(1) National Natural Foundation of China (NSFC)	New	New	New
(2) National Research and Innovation Agency (BRIN)	New and In-Kind	New and In-Kind	New and In-Kind
(3) Japan Science and Technology Agency (JST)	New	New	New
(4) Myanmar: Ministry of Science and Technology (MOST)	In-Kind		
(5) Department of Science and Technology, Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)	New	New	New
(6) Agency for Science, Technology and Research (A*STAR)	In-Kind	In-Kind	In-Kind
(7) National Research Council of Thailand (NRCT)	New	-	-

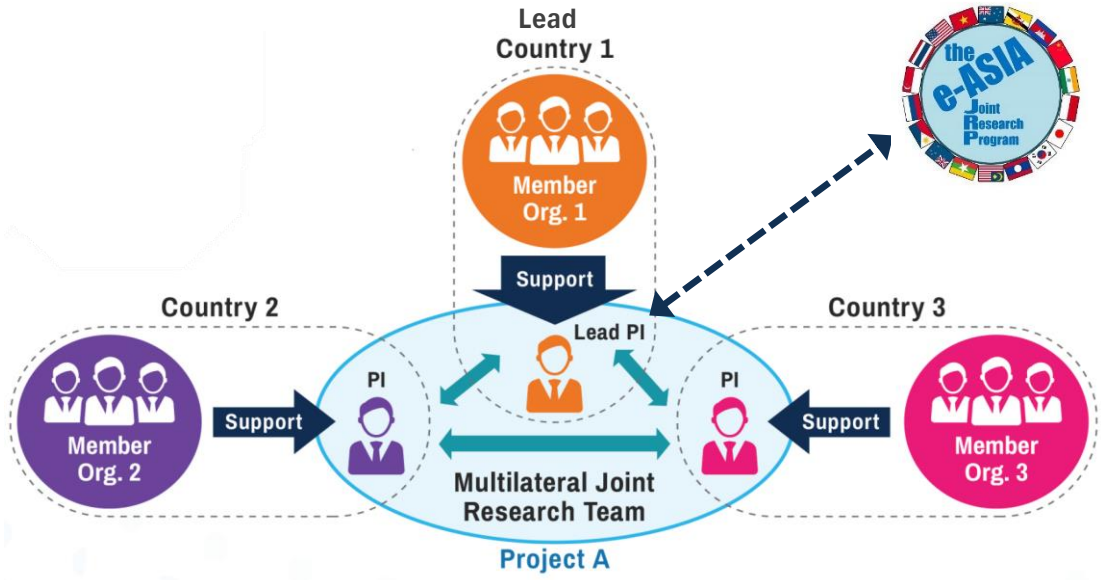
Descriptions:

- **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

The application must consist of a minimum of three countries forming a consortium. Within this consortium, each research team in a country shall be led by a Principal Investigator (PI), also referred to as a national PI, and a consortium of a minimum of three countries shall be led by a Lead PI specified among the PIs who is tasked to oversee the entire project.



Roles and Responsibilities of Lead Principal Investigator (Lead PI)

(1) Responsible for the overall management of the project.
(2) Serves as the primary contact with the e-ASIA JRP Secretariat on behalf of the entire consortium.
(3) Manages the administrative aspects of the project if funding is granted.
(4) Leads project activities at their own institution.
(5) Must be affiliated with an institution located in the home country of one of the Member Organizations participating in this call.

Roles and Responsibilities of national Principal Investigators (PIs)

(1) Lead their respective research teams within their countries.
(2) Collaborate with the Lead PI in project activities.
(3) Should demonstrate progress and/or accomplishments from previous research projects, including those related to prior e-ASIA projects, relevant to the current application.

III-1. Applicant/ Project Consortium

A project consortium must consist of at least three eligible research teams from a minimum of three different participating countries listed above.

Fostering communication among researchers throughout the application process is encouraged to support the Lead PI in proposal preparation. Effective coordination between the Lead PI and the national PIs(co-PIs) will strengthen the proposal and ensure a smoother handling of eligibility requirements and technical evaluations.

All PIs must comply with their respective national eligibility rules for research applications. Researchers from industry are encouraged to participate in the collaboration, in accordance with these national eligibility rules. Accordingly, PIs should contact the individual noted in Section VI for more information on their specific national eligibility requirements.

III-2. Common Application Submission

Common Applications 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) 31 March 2025

Please submit the common application to

YUKIO KEMMOCHI, PhD (Mr.)
e-ASIA JRP Secretariat
E-mail: easia-opencall@jst.go.jp

NOTE 1: The e-ASIA JRP Secretariat will send a confirmation email to the Lead PI to acknowledge receipt of their proposal. If the Lead PI does not receive a confirmation email from the e-ASIA JRP Secretariat within one week, they contact the Secretariat using the contact information provided above. The e-ASIA JRP Secretariat does not assume responsibility for any delays or errors in email delivery.

NOTE 2: Application forms submitted by any method other than email will be rejected.

IMPORTANT NOTICE TO ALL PROJECT INVERTIGATORS (PIs):

Apart from the application submitted to the e-ASIA JRP Secretariat by the Lead PI, national PIs must ensure that all required application documents requested by their respective Member Organization are also submitted. Each Member Organization may require applicants from its country to submit a different application form with a separate deadline. Applications must meet both the common requirements outlined in this call guideline and the specific requirements set by each Member Organization. Therefore, it is crucial to follow their specific guidelines to maintain eligibility. Member Organizations possess complete discretion to determine whether an application meets their eligibility criteria, and their decisions will be considered final.

In addition to the common requirements outlined below, each Member Organization has specific rules that are clarified in the Appendix. For detailed information regarding these specific rules, please refer to the Appendix or consult the individual noted in Section VI.

The common application shall include:

1) 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;
2) Description of the expected outcomes of the proposed project, scientifically as well as in terms of relevance for industry and society;
3) Description of the ongoing activities and specific advantages of each group respectively, which form the basis for the proposed joint project;

4) 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;
5) Description of how the project is expected to help strengthen multilateral research collaboration over the longer term;
6) Description of the expected value added from the multidisciplinary approach in the proposed joint project; and
7) Description of how the proposed joint project interacts with or impacts other comparable activities worldwide.

III-3. Common Application Forms

The common application (proposal) forms must be prepared in English only ("E"). For national requirements specific to each Member Organization, researchers are advised to refer to the Appendix or consult their respective Member Organization in their country.

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

IMPORTANT NOTE:

(1) The Curriculum Vitae (CV) for each Principal Investigator (PI) must include basic information on education, past and present positions, membership in relevant organizations or associations, and a publication list from the past five years related to the proposed project.

(2) In addition to the documents mentioned above, all projects must adhere to the ethical review and requirements set forth by each Member Organization, particularly for research activities involving human and animal subjects. PIs should consult the Appendix for the specific ethical requirements of each Member Organization.

IV. Evaluation

IV-1. Evaluation Process

An application 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

Applications 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 respective Member Organization.

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 of the final decision by the e-ASIA JRP Secretariat as soon as it has been made and approved by all Member Organizations involved in the e-ASIA JRP. The estimated timeframe for this notification is between November and December 2025.

V. Project Implementation

Project reporting will adhere to the rules established by each respective Member Organization. For more details, please contact the relevant Member Organizations directly.

In addition to the requirements of the Member Organizations, consortia are expected to submit Progress Reports and Final Reports to the e-ASIA JRP Secretariat in English. These reports should include a description of their collaboration and a publishable summary of the project's status. The Progress and Final Reports will be reviewed by the Board and the Scientific Advisory Council. Furthermore, it is encouraged that the project actively 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

To ensure clarity and accuracy in all communications, we strongly encourage national PIs to be the primary points of contact with their respective national Member Organizations, respectively, regarding eligibility rules and support conditions.

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

Country: Member Organization	Contact Point
(1) China: National Natural Science Foundation of China (NSFC)	**DIVISION OF ASIA, AFRICA AND INTERNATIONAL ORGANIZATION,** Bureau of International Cooperation ZHANG Yiwei (Ms.) Program Officer Phone: 86-10-62327368 Email: zhangyw@nsfc.gov.cn
(2) Indonesia: National Research and Innovation Agency (BRIN)	**DIRECTORATE FOR RESEARCH AND INNOVATION FUNDING** Phone: +62 811-1064-6771 E-mail: dana-risnov@brin.go.id
(3) Japan: Japan Science and Technology Agency (JST)	**MS. WAKANA YAMANAKA** **DR. TAKUMI KATSUMATA** Phone: +81(0)3-5214-7375 E-mail: easiajrp@jst.go.jp
(4) Myanmar: Ministry of Science and Technology (MOST)	**Dr. Cho Cho Lwin** Director, International Relation and Technical Cooperation Division Department of Research and Innovation Ministry of Science and Technology, Tel: + 959-884-235-932 Email: irtc.dri.headoffice01@gmail.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** Executive Director E-mail: oed@pcieerd.dost.gov.ph **MS. GRACE F. ESTILLORE** Chief Science Research Specialist E-mail: gfestillore@pcieerd.dost.gov.ph

(6) Singapore: Agency for Science, Technology and Research (A*STAR)	**MR OEIJ EK SIANG** Deputy Director, International Partnerships Office Email: OEIJ_Ek_Siang@a-star.gov.sg
(7) Thailand: National Research Council of Thailand (NRCT)	**MISS SUPAPICH NUNART** **MISS CHONTIDA TANGNARA** International Relations Officers Phone: +66 2 561 2445 ext. 212, 206 E-mail: supapich.n@nrct.go.th chontida.t@nrct.go.th

For general inquiries:

YUKIO KEMMOCHI, PhD (Mr.)
Address: e-ASIA JRP Secretariat / Japan Science and Technology Agency
Room 218 Innovation Cluster1 Building (INC1)
111 Thailand Science Park, Phahonyothin Road
Khlong Nueng, Khlong Luang,
Pathum Thani 12120 THAILAND
Tel: +66-2-564-7713
E-mail: easia_secretariat@jst.go.jp (for general inquiries)
easia-opencall@jst.go.jp (for application submission)

--Appendix--

The e-ASIA Joint Research Program (e-ASIA JRP)

Research Cooperation in the Field of

Alternative Energy

On the sub-topics of

Hydrogen (Production & Storage; Biohydrogen & Hydrogen from waste), Fuel (Biofuel & Aviation Fuel), and Energy Storage

14th Joint Call for Proposals to be submitted by 31 March 2025

Information about each Member Organization (alphabetical order by country)

1) **China**: National Natural Science Foundation of China (NSFC)
2) **Indonesia**: National Research and Innovation Agency (BRIN)
3) **Japan**: Japan Science and Technology Agency (JST)
4) **Myanmar**: Ministry of Science and Technology (MOST)
5) **Philippines**: Department of Science and Technology, Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)
6) **Singapore**: Agency for Science, Technology and Research (A*STAR)
7) **Thailand**: National Research Council of Thailand (NRCT)

1. National Natural Science Foundation of China (NSFC)

- NSFC can support a maximum of Three (3) applications.
- Funding modality: New
- Chinese applicants must read and accept the following conditions for this program. Please refer to the Chinese guidelines for further details at: https://www.nsfc.gov.cn/.

I. Eligibility

Eligibility for Chinese Applicants:

(1) The Chinese applicant must be researchers affiliated with a higher education or research institution which registers in NSFC.

(2) The Chinese principal investigator (PI) must have a senior academic rank (title) and have/had been the PI of at least one on-going or completed NSFC research project with the duration of no less than 3 years.

(3) Projects require support from a minimum of three (3) e-ASIA member organisations including NSFC.

(4) A Common Application must be submitted to the e-ASIA Secretariat (as described in Section III. Applications above) .

(5) Chinese applicants must submit a completed online application to the NSFC's Grants System (http://grants.nsfc.gov.cn) and submit the final version of Common Application proposal as attachments to the NSFC Grant system.

II. Support

NSFC will support up to three (3) applications, with a maximum budget of CNY 2,000,000 Yuan per grant over three (3) years.
The funding covers all the expense of research cost (including Equipment expenses, Purchase cost, Experimental and Operating expenses, Labor costs), seminar/workshop costs, international cooperation and exchange and others.

How to Apply

All Chinese applicants must apply to NSFC's Grants System (http://grants.nsfc.gov.cn), **AND** the Lead PI of each project must also submit the common application to the e-ASIA JRP Secretariat. A copy of the research consortium's e-ASIA Common Application must be attached to the application when submit to the NSFC Grants System.

Deadline of submission to NSFC's Grants System: **16:00 (China Standard Time, UTC+8) on 2 April 2025.**

III. Evaluation

All applications that meet the eligibility requirements will be reviewed by reviewer with relevant disciplinary expertise, based on the e-ASIA JRP evaluation criteria (as described in *Section IV. Evaluation* above) and NSFC assessment criteria as listed below:

- Scientific merit.
- Foundation of international cooperation and its complementarity.
- Innovation aspects.
- Social impact.
- Feasibility of the cooperation and research plan.
- The progress and completion status of the NSFC projects undertaken in the past.

IV. Reporting

At the end of each fiscal year, Chinese PIs shall submit progress report to NSFC on the status of joint research, output, research expenses, and research plan for the next year.

After completion of the period of joint research, Chinese PI shall submit a final report on the results of the joint research, which shall include a description of the research activities, outputs and outcomes, and financial report.

V. Contact Information

国家自然科学基金委员会
National Natural Science Foundation of China

DIVISION OF ASIA, AFRICA AND INTERNATIONAL ORGANIZATION,
Bureau of International Cooperation

ZHANG Yiwei (Ms.)
Program Officer
Phone: 86-10-62327368
Email: zhangyw@nsfc.gov.cn

2. Indonesia: National Research and Innovation Agency (BRIN)

BRIN can support a maximum of 5 applications.
The following funding modalities will be supported:

- New
- In-kind

Applicants must read and accept the following specific conditions for this program. Please refer to the information on the following website: https://pendanaan-risnov.brin.go.id

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I. Eligibility for Indonesian Applicants

- The Principal Investigator (PI) submitting proposal to BRIN must be an Indonesian citizen and must hold a doctoral degree (S3).
- The Principal Investigator (PI) and team members are researcher from BRIN or other Indonesian research entity with appropriate legal registration for example, university, civil society organizations, and industry/company/business entity;
- Other research institutions legally registered in Indonesia, excluding BRIN, must register with the Sistem Informasi Registrasi Lembaga Riset (SEBARIS): https://sebaris.brin.go.id/daftar, and comply with its requirement to meet the required administrative and legal obligations;
- The Principal Investigator must have a research track record and expertise relevant to the proposed research. Team members must have either a relevant track record or clearly defined roles in the research project where their skill sets provide added value.
- All researchers (Principal Investigator and team members) involved must submit their Curriculum Vitae, with their research track record detailed in the research experience section.
- The Principal Investigator and team members are allowed to be involved in up to 2 (two) proposals for the RIIM Kolaborasi Internasional e-ASIA JRP funding, either as Principal Investigator on 1 (one) proposal and a team member on 1 (one) proposal, or as a team member on 2 (two) proposals.

Please note that the Indonesia applicants must also complete a research ethical clearance done through the Research Ethical Clearance Information System before the project started (https://klirensetik.brin.go.id).

II. Support

BRIN will support up to 5 applications with a maximum amount of IDR 1,000,000,000 per project/year (including researcher mobility and infrastructure sharing). The amounts will be adjusted each year according to the evaluations and budgetary limitations. The duration of the project shall be no longer than 3 (three) years in total from the start date. This support is under the RIIM Kolaborasi Scheme, funded by the investment gains of the Research Endowment Fund managed by the Indonesia Endowment Fund for Education Agency (LPDP) under the Ministry of Finance.

Eligible Costs:

- Purchase/procurement of chemicals/consumables or materials essentials for research or production components;
- Honorarium is available only to compensate field workers for their contributions (funding cannot cover personnel expenses for PI, team members, and administrative staff);
- Meals for meeting that directly related to the research, takes place within the office of the respective institution; and
- Domestic travel that directly related to the research activities, as well as facilitating the mobility of Indonesian researchers through BRIN's researcher mobility scheme managed by the Directorate of Talent Management. The researcher mobility scheme is exclusively for BRIN researchers only. However, Indonesian researchers from other institutions may apply for researcher mobility funding only if they collaborate with BRIN research group. Further information about the researcher mobility scheme, including its provisions and access to the BRIN research group database, can be found at: https://manajementalenta.brin.go.id.

In addition to the above, please note that Indonesian grants cannot cover these following:

- Equipment/software purchases;

- Capital expenditure;
- Personnel expenses for PI, team members, and administrative staff;
- Expenses for organizing and hosting events (such as workshop, focus group discussion) outside the office of the respective institution; and
- Expenses for publication and international conference (including registration and attending the international conference)

III. How to Apply

Please note that applicants are required to complete both email submission to the e-ASIA JRP Secretariat (only if the Indonesian applicant is the Lead PI) and submission via the BRIN Pendanaan System. Applications will be considered ineligible if the proposal documents are not submitted by the deadline through both submission systems.

- Applications must be written in English and must comply with the Call Guideline and instruction in the form (as described in *Section III. Applications above*)

- The Indonesian PI must register the email addresses of all Indonesian researchers in the research consortium. Each member must confirm their participation in the project on the BRIN Pendanaan System

- Applications (identical copies of the proposal of the consortium) must be submitted to the BRIN Pendanaan System: https://pendanaan-risnov.brin.go.id

- Applications submitted to the BRIN Pendanaan System must be accompanied by additional documents such as: a signed approval sheet from an authorized official of the institution, the Curriculum Vitae of the Indonesian PI and all team members, and the proposed budget details (RAB)

- Indonesian PI who becomes Lead PI of the consortium of three countries must submit the applications of the consortium to the e-ASIA Secretariat (as described in *Section III. Applications above*)

It is the Lead PI's responsibility to verify the member organization participation in respective calls, and any additional eligibility requirement specific to the member organization. Partnering country applicants are required to submit their applications to their respective member organization in line with the applicable funding organization due dates.

IV. Evaluation

The Secretariat of the Directorate for Research and Innovation Funding will ensure that applications meet all eligibility requirements outlined in the Call Guideline, at the time of submission. Applications that do not meet eligibility requirements may be ineligible and may be excluded from further review.

All applications that meet the eligibility requirements will be reviewed by reviewer with relevant disciplinary expertise, based on the e-ASIA JRP evaluation criteria (as described in *Section IV. Evaluation* above) and BRIN assessment criteria listed below:

- Significance and advantage
- Roadmap and strategic value
- Relevant track record/expertise of the research team
- Collaboration network
- Budget
- Research methods
- Expected output:
    a. Two journal articles (Submitted to Q1 or Q2 international journal) where the Indonesian PI is first author or co-author and/or corresponding author; and/or
    b. Intellectual Property with minimum registered status, with a principle of equity noted as a collaborative agreement.

After completing the projects, final evaluation will be performed based on the final reports by the program evaluation committees in BRIN.

V. Reporting

- At the end of each fiscal year, the Indonesian PI shall promptly submit to BRIN an annual progress report on the status of joint research activities, output achievements, financial report on research expenses, and a research plan for the year ahead. A financial report showing that at least 80% of the grant has been used is required for requesting a second term disbursement.

- At the end of the period of funding and after completion of the joint research, the Indonesian PI shall submit a final report on the results of the joint research which shall include a description of the research activities, outputs and outcomes, and financial report to BRIN within one month.
- The report shall include a general summary of the activities both the consortium and the Indonesian research teams. If papers describing results of the research activities are presented to academic journals, societies, etc., a list of those papers and other related information should be attached to the final report. All outputs produced by the project must include the logo of BRIN and LPDP.

Refer to the RIIM Kolaborasi Internasional e-ASIA JRP Guidelines, available on BRIN Pendanaan System: https://pendanaan-risnov.brin.go.id for further information and detailed.

VI. Contact Information

DR. AJENG ARUM SARI
Director of Research and Innovation Funding
National Research and Innovation Agency
Phone: +62 811-1064-6771
E-mail: dana-risnov@brin.go.id

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

<IMPORTANT>

- 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 domestic call announcement on the JST website. https://www.jst.go.jp/inter/program/announce/announce_easia_jrp_14th.html (in Japanese only)

- JST is supporting the following topics: Disaster Risk Reduction and Management.
- JST can support a maximum of three (3) applications.
- The following funding modalities will be supported: New.
- JST can accept applications from Japanese researchers for which the proposals are with researchers from China, Indonesia, the Philippines, Singapore or Thailand.

I. Eligibility

1. 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 the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Please refer to the MEXT homepage for more information:

   https://www.mext.go.jp/a_menu/kansa/houkoku/1324571.htm (in Japanese only).

2. Japan-based researchers from industry are also eligible to apply as a Principal Investigator in the joint research project in the Japan-based team.
3. 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:

(1) Facilities, Equipment and Consumables: costs of research equipment, spare parts, prototypes.

(2) Travel Costs: travel costs and associated living expenses of the project members registered in the project plan, and travel costs of inviting external experts.

(3) 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.

(4) 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/kansetsu_sikkou.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. How to Apply

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

III-1. Submission of Application Forms (Form 1E-9E) (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)

1. In addition to the common Application Forms in English (Form 1E-9E), 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).
2. Forms 1J and 2J are available from the JST website: https://www.jst.go.jp/inter/program/announce/announce_easia_jrp_14th.html (in Japanese only)
3. The deadline for the "e-Rad" submission is **before 14:00 (Japan Standard Time, UTC+9) on 31 March 2025.**

IV. Evaluation

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:

1. 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.

2. 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.

3. 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.

4. 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.

5. Effectiveness and Continuity of Exchange:
   (1) Activities characterized by the following examples shall be involved to enhance sustainable research exchange and networking.

   (2) Nurturing of researchers through human resource exchange.

(3) Sustainable development of research exchange with the counterpart countries initiated by this activity.

(4) Enhancing the research network between collaborating countries including researchers other than the research leader and members of this activity.

(5) Improving the presence of science and technology in Japan and the counterpart country.

6. 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. Reporting

V-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.

V-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.

VI. Contact Information

MS. WAKANA YAMANAKA,
DR. TAKUMI KATSUMATA
Department of International Affairs,
Japan Science and Technology Agency (JST)
Tel: +81(0)3-5214-7375
E-mail: easiajrp@jst.go.jp

4. Myanmar: Ministry of Science and Technology (MOST)

I. Eligibility Criteria

The applicants must be Researchers and /or University Professors/Instructors who work in Public and Private Institute or University in Myanmar and are competent in conducting a Research with International Partners.

II. Funding Modality

In –Kind

General Information: Funding agencies for project partners may offer support for mobility and travel, accommodation, daily allowances, workshops and meetings, publications, consumables, and equipment, provided that Myanmar applicants cover their personnel costs in-kind. Please review the national regulations of the respective funding agencies.

III. Additional Important Notes

The Department of Research and Innovation (DRI), Ministry of Science and Technology does not provided funding to applicants from Myanmar. DRI encourages the participation of researchers from Myanmar in proposals submitted by consortia. Provided that applicants from Myanmar can guarantee that they have personnel which contribute their work effort in-kind to the projects. In these cases, certain funding agencies from other countries participating in this call can support other costs such as travel etc. for Myanmar according to the national regulations of these funders.

IV. Contact Information

DR. CHO CHO LWIN
Director, International Relation and Technical Cooperation
Division, Department of Research and Innovation
Ministry of Science and Technology,
Tel: + 959-884-235-932
Email: irtc.dri.headoffice01@gmail.com
Website: htttp://www.dri.gov.mm.

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

I. Eligibility Criteria

(1) Any Filipino, public, or private entity with proven competence may apply for funding support if projects fall under the specific research areas.

(2) Filipino researchers should be connected with any public and private universities and colleges and Research and Development Institutes. The eligibility of the Philippine Principal Investigator shall be determined by DOST-PCIEERD based on his/her readiness in terms of technical, managerial, financial, and marketing capabilities (if necessary). As such, the proponent shall submit documents/proof of the following: credentials/proof of capability, track record, and endorsement of his/her institution, must not have any existing accountability with DOST (Department of Science and Technology) and its agencies particularly technical and financial reports, and must not have pending administrative or criminal case involving financial transactions. The Philippine Principal Investigator must possess at least a master's degree in a relevant field.

II. Funding Modality

Two (2) new projects could be supported under this call.

II-1. Funding amount if applicable

PhP 15,000,000.00 per project for a maximum of three (3) years duration shall be provided by DOST to support collaborative projects.

III. How to Apply

(1) Interested researchers should submit their proposals using the DOST-GIA proposal format through the DOST e-proposal portal, http://dpmis.dost.gov.ph before the

Closing Date on **31 March 2025, 5:00 PM (PHST)**. 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.

(2) It will not be possible to submit an application to the call after the time mentioned above. Proposals submitted after the deadline will not be considered. Applicants are encouraged to leave enough time for proposal inputting in the DPMIS before this date.

When submitting your application, **please follow these steps:**

a. Register and create an account in the DPMIS
b. Log in to your DPMIS account
c. Select Type of Proposal: Alternative Energy – 14th e-ASIA Call for Proposals
d. Select Classification: New Proposal

The following will **automatically be disapproved:**

a. Proposals from organizations that are not qualified to submit during this Call;
b. Proposals outside the priority areas of the Council; and
c. Proposals submitted to any other call route/Council/s.
d. Proposals not submitted through DPMIS.
e. Proposals that do not meet the requirement of involving at least three participating countries, as specified in the Guidelines, will be automatically disapproved.

IV. National and/or Organizational Priorities/Strategies to be Concerned in this Call

IV-1. Evaluation of 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 to the environment or will/can improve environmental conditions), timeframe, sustainability, and marketability (e.g. potential adoption/use of the industry (manufacturer) and other partners), and plans for Research/Project Results Utilization.

- Each proposal will be given a numerical score and will be ranked accordingly. Endorsed proposals will be subject for the Joint Review Meeting (JRM) during the e-ASIA's Annual Board Meeting. Proposals who have matched in the JRM will be elevated to the DOST-PCIEERD Governing Council for final recommendations to the DOST Executive Committee (ExeCom) for final approval.

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 submitted within 90 calendar days after the performance period is completed. 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

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

MS. GRACE F. ESTILLORE

Chief Science Research Specialist,

Policy Coordination & Monitoring Division, Department of Science and Technology - Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST- PCIEERD), 4th and 5th Levels, Science Heritage Building, DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
E-mail: gfestillore@pcieerd.dost.gov.ph

Additional information:

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

6. Singapore: Agency for Science, Technology and Research (A*STAR)

I. Funding Modality

Singapore-based applicants will be participating via an in-kind modality only.

II. Eligibility Criteria

Eligibility conditions for Singapore-based applicants are described as follows:

(1) Lead PI/PI must be an independent researcher from public sector research performers, namely the Institutes of Higher Learning (universities and polytechnics), A*STAR Research Institutes, as well as other non-defence-related public sector agencies (e.g., Ministries, Statutory Boards).

(2) Lead PI/PI must hold a primary appointment of at least 75% in a local publicly funded institution and salaried by the institution.

(3) Lead PI/PI must first obtain endorsement from their respective Host Institutions in support of the project through written approval. The approval has to be submitted to A*STAR (as e-Asia's Singapore representative) together with the application form.

III. How to apply

Singapore-based applicants must first obtain a written endorsement from their respective Singapore Host Institutions to support the project. This endorsement must take the form of a written approval.

The project's Lead PI, whether based in Singapore or elsewhere, is responsible for submitting this written endorsement along with the application form to A*STAR (as the Singapore representative for e-ASIA) and the e-ASIA JRP Secretariat by the stipulate deadline.

Therefore, Singapore-based PIs are required to forward the written endorsement from their Host Institutions to their respective Lead PIs. This endorsement should be submitted as a supporting document to the e-ASIA JRP Secretariat, and a copy should be sent to A*STAR.

Applications will be considered ineligible if the proposal documents and endorsement by the Host Institution are not submitted as required by the deadline.

IV. Contact Information

MR OEIJ EK SIANG
Deputy Director, International Partnerships Office
A*STAR
Email: OEIJ_Ek_Siang@a-star.gov.sg

7. Thailand: National Research Council of Thailand (NRCT)

I. Funding Modality

- NRCT can support a maximum of 2 new applications.

II. Funding Amount if Applicable

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

III. Eligibility Criteria

- Eligible for Thai nationality only. 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 research with international partners.

IV. How to Apply

- Thai PI must submit another Thai application form through the online NRIIS platform (https://nriis.go.th) in accordance with NRCT regulations no later than 17.00 (Bangkok time) 31 March 2025. As failure to do by the deadline, so will result in the proposal not being accepted.
- Lead PI must also submit proposal by e-mail to the e-ASIA JRP Secretariat no later than 17:00 (Bangkok Time, UTC+7) 31 March 2025.

V. National and/or Organizational Priorities/Strategies to be Concerned in this Call

V-1. 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 at the joint panel meeting among the participating Member Organizations, followed by approval at the e-ASIA JRP Board Meeting.

V-2. 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, research impact and research utilization;
    - ✓ Based on research utilization, NRCT requires that application have to clearly identify or include Thai stakeholders who can positively or negatively impact the output of the project.
    - ✓ Thai PI have to deliver research result that benefit to those stakeholders in community-society or commercial sector at the completion of each year project.
- 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.

VI. Reporting

- Thai PI should deliver a copy of progress report on the status of joint research to NRCT according to NRCT's funding procedures aligned to NRCT regulations.
- A final report on the results of the joint research period shall be submitted by the Thai PI to NRCT within two months after the completion of the joint research period.

VII. Additional Important Note

- NRCT will not accept the proposal if the applicants fail to submit to NRCT system (NRIIS) and/or e-ASIA JRP Secretariat.

VIII. Contact Information

MS. SUPAPICH NUNART
MS. CHONTIDA TANGNARA
International Relations Officer
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