

[Workshop Agenda]

1. Purpose

These workshop aims to promote collaborative research in East Asia through building international research teams to apply to the 13th e-ASIA JRP calls on Health, Food and Health, Alternative Energy and Agriculture.

Country	Member Organization (Funding Agency)	Participates in			
		Health	Food & Health	Alternative Energy	Agriculture
Australia	National Health and Medical Research Council (NHMRC)	✓	✓		
Cambodia	Ministry of Industry, Science, Technology and Innovation (MISTI)		✓		✓
Indonesia	National Research and Innovation Agency (BRIN)	✓	✓	✓	✓
Japan	Japan Science and Technology Agency (JST)			✓	✓
Japan	Japan Agency for Medical Research and Development (AMED)	✓			
Lao PDR	Ministry of Health (MOH)	✓	✓		
Myanmar	Ministry of Science and Technology (MOST)		✓		✓
New Zealand	Ministry of Business, Innovation and Employment (MBIE)			✓	
The Philippines	Department of Science and Technology-Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST-PCAARRD)				✓
The Philippines	Department of Science and Technology-Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST-PCIEERD)			✓	
The Philippines	Department of Science and Technology-Philippine Council for Health Research and Development (DOST-PCHRD)	✓	✓		
Singapore	Agency for Science, Technology and Research (A*STAR)	✓			
Thailand	National Research Council of Thailand (NRCT)				✓
Thailand	Program Management Unit for Human Resources & Institutional Development, Research and Innovation (PMU-B)		✓	✓	
The United States	National Institute of Allergy and Infectious Diseases (NIAID)	✓			

2. Date

9:00-17:30 (Thailand time, UTC+7), 16-17 January, 2024

3. Meeting Outline

- 1) General information of the e-ASIA 13th call
- 2) Breakout sessions/ Health, Food and Health, Alternative Energy and Agriculture

4. Timetable

1st Day (16th Jan)

Time (Thailand)	Program	
Opening Session		
9:00-9:10	Opening Remarks (Emi Kaneko, e-ASIA Sec)	
9:10-9:20	Introduction of e-ASIA 13 th Call (Dr. Yukio Kemmochi, e-ASIA-Sec)	
9:20-9:40	Announcement of Eligibility/Additional Requirements	
	Call participating MOs	
Technical Session		
	Food and Health (Kaneko)	Agriculture (Kemmochi)
9:40-9:50	Welcome Remark Professor Dr. Sompong Klaynongsruang Director of PMU-B	Welcome Remark Dr. Masae Sugawara Manager, JST
9:50-10:00	Introduction of the Research Field in Food & Health Call By PMU-B	Introduction of the Research Field Dr. Takumi Katsumata JST
<i>Featured Speaker Session (10 minutes each, nominated by each MO)</i>		
	<i>Food and Health</i>	<i>Agriculture</i>
10:00-10:10	Assoc.Prof. Sakda Khoomrung Instructor/Researcher, Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand “Scratching the surface of Personalized Nutrition in Thailand”	Dr. Wei GUO Assoc Prof, University of Tokyo, Japan IOT, Robotics and AI based plant phenotyping techniques for smart agriculture
10:10-10:20	Dr. Bo Bo Director, Naypyitaw Tech University, Myanmar “Traditional Myanmar Foods with Potential Functional Values Emphasis on Laphet: Fermented Tea Leaves”	Dr. Vorapat Vachirayakorn Assoc Prof, Thammasat University, Thailand “Transforming Tropical Farming: Excelling in Climate-Adaptive”
10:20-10:30	Dr. Kulthida Vaeteewoottacharn Lecturer, Khon Kaen University, Thailand “In vitro cattle stem cell cultivation to serve the generation of a cell-based cultured meat.”	Dr. Zin Thu Thu Myint Assoc Prof, University of Computer Studies, Yangon, Myanmar “Sustainable Water Resource Management & Soil Impact Monitoring System in the Lower Toe and Thakhut”

10:30-10:40	<p>Professor Pisit Tangkijvanich, M.D. Head of Center of Excellence in Hepatitis and Liver Cancer, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand</p> <p>“Modifying Gut Microbiome by Synbiotics toward Personalized Medicine for Non-alcoholic Fatty Liver Disease and Chronic Kidney Disease”</p>	<p>Dr. Ir. Dede Dirgahayu Domiri, M.Sc. National Research and Innovation Agency (BRIN), Indonesia</p> <p>“Role of Remote Sensing Data for Monitoring Agricultural Land”</p>
10:40-10:50	<p>Asst.Prof. Dr. Jutarop Phetcharaburanin Principle investigator, Department of Systems Biosciences and Computational Medicine, Faculty of Medicine, and Khon Kaen University Phenome Centre, Khon Kaen University, Thailand</p> <p>“Metabolic and microbial high throughput phenomics in obese patients with different co-morbidities for personalizing nutritional programs at pre- and post-bariatric surgery”</p>	<p>Dr. Ye Rongling Asst Prof, Shinshu University, Japan</p> <p>“Remote Sensing Technology in Agricultural Investigation”</p>
10:50-11:00	<p>Mr. Jacus Nacis Senior Science Research Specialist, DOST-FNRI, Philippines</p> <p>“Linkage and equilibrium: Initiatives and opportunities in omics for nutrition R&D in the Philippines”</p>	<p>Pitch Session</p> <p>Dr. Mukhammad Muryono Assoc Prof, Biology Institute Technology of 10 Nopember, Indonesia</p> <p>“Crop Improvement and Evaluation Towards the Realization of Direct Air Capture Agriculture”</p>
11:00-11:10	<p>Dr. Liezl Atienza Professor, Institute of Human Nutrition and Food, University of the Philippines Los Banos, Philippines</p> <p>“Flavors of Sustainability: Philippine Indigenous Crops, Functional Food Products and Recipes in a Digital Library”</p>	<p>Master Rui Qiuzhi Ph.D Student, Tohoku Univ, Japan</p> <p>“Characterizing Salt Tolerance Traits in Soybean Roots Through Image Analysis”</p> <p>Dr. Chao-Hui Feng Asst Prof, Kitami Institute of Technology, Japan</p> <p>“Applying non-invasive technology in conjunction with multivariate analysis to assess the quality characteristics of foodstuffs”</p> <p>Dr. Jim Burrige Asst Prof, University of Tokyo, Japan</p> <p>“Developing and deploying SmartAg systems and creating collaborative research and data sharing networks”</p>

11:10-11:20	<p>Pitch Session</p> <p>Dr. Khongsak Srikaeo, Pibulsongkram Rajabhat University, Thailand “Low glycemic index rice and rice products”</p> <p>Dr. Anna Agustina, Pancasila University, Indonesia “Communication Strategy on Spirulina Consumption through the Community Movement in Preventing Stunting at Health Hub”</p> <p>Asst.Prof Dr. Siraphat Taesuwan, Chiang Mai University, Thailand “Personalized prediction of cardiac risk indicator trimethylamine N-oxide using artificial intelligence: a proof-of-concept study”</p>	<p>Group Discussion on future collaboration Facilitator: Dr. Reynaldo V. Ebor, Executive Director, DOST, PH</p>
11:20-11:50	<p>Group Discussion on future collaboration Facilitator: Dr. Worajit Setthapun PMU-B</p>	
11:50-13:00	End of 1 st Day	Lunch Break
		Agriculture
13:00-13:10		<p>Dr. Peerasak Chaiprasart Assoc Prof, Naresuan University, Thailand “Effect of Climate Change to Thai Tropical Fruit and Adaptation”</p>
13:10-13:20		<p>Dr. Decibel F. Eslava Prof, University of the Philippines Los Baños, Philippines “Mutually exclusive benefits and challenges in AI and Big Data for agriculture: Leveraging the SARAI experience”</p>
13:20-13:30		<p>Dr. Gunawan Setyo Prabowo, M.T. National Research and Innovation Agency (BRIN), Indonesia “Development of Rumpin as a Drone Precision Farming Laboratory”</p>
13:30-13:40		<p>Dr. Takashi Tanaka Assoc Prof, Gifu University, Japan “Using on-farm experimentation to</p>

		transform agronomic research”
13:40-14:10		Group Discussion on future collaboration
		Facilitator: Prof. Agus Haryono Deputy Chairman for Facilitation of Research and Innovation, BRIN, Indonesia
14:10-14:20		Closing Remarks: Prof. Makie Kokubun Prof emeritus, Tohoku University, Japan
End of 1 st Day		

2nd Day (17th Jan)

Time (Thailand)	Program	
Opening Session		
9:00-9:10	Opening Remarks (Emi Kaneko, e-ASIA Sec)	
9:10-9:20	Introduction of e-ASIA 13 th Call (Dr. Yukio Kemmochi, e-ASIA Sec)	
9:20-9:40	Announcement of Eligibility/Additional Requirements	
	Call-participating MOs	
Technical Session		
	Health (Kemmochi)	Alternative Energy (Kaneko)
9:40-9:50	Introduction of the Research Field (e-ASIA Sec)	Introduction of the Research Field (Ms. Grace Estillore, DOST-PCIEERD, MMO)
9:50-10:00		Welcome Remark (Dr. Enrico Paringit, DOST-PCIEERD, MMO)
<i>Featured Speaker Session (10 minutes each, nominated by each MO)</i>		
	<i>Infectious Disease</i>	<i>Alternative Energy</i>
10:00-10:10	Dr. Dodi Safari, S.Si. National Research and Innovation Agency (BRIN), Indonesia “Genomic surveillance of antimicrobial resistance: One health approach”	Dr. Izumi Kumakiri Prof, Yamaguchi University, Japan “Membrane separation processes in bioethanol production: Developments and applications of inorganic microporous membranes”
10:10-10:20	Dr. Triwibowo Ambar Garjito, S.Sc., M.Kes. National Research and Innovation Agency (BRIN), Indonesia “An Update on the Epidemiology of Japanese Encephalitis in Indonesia”	Dr. Alvin Culaba Prof, De La Salle University, Philippines “Multi-functional bioenergy research”
10:20-10:30	Dr. Karell Calpito Science and Technology Fellow, DOST-Philippine Council for Health Research and Development, Philippines “Research and Innovation to Combat Antimicrobial Resistance in the	Dr. Felicidad Christina R. Peñafiel Assoc Prof, University of Santo Tomas, Philippines “Electroactive textile supercapacitor electrodes for renewable energy storage”

	Philippines”	
10:30-10:40	Dr. Katsushi Tokunaga Prof, National Center for Global Health and Medicine, Japan “Integrated application of human and pathogen genomic information in Asian tuberculosis patients”	Dr. Kazuto Hatakeyama Asst Prof, Kumamoto University, Japan “Solid electrolytes for fuel cells using nanosheets”
10:40-10:50	Dr. Itaru Hirai Prof, University of the Ryukyus, Japan “Application of learnings from blaCTX-M to characterization of plasmids harboring antimicrobial-resistance genes”	Dr. Duangmanee Wongratanaphisan Assoc Prof, Chiang Mai University, Thailand “Sustainable Energy Future: Navigating Challenges through Perovskite”
10:50-11:00	Dr. Salvador Eugenio Caoili Prof, University of the Philippines, Philippines “Synthetic Peptide-based Antigens for Control of Emerging and Re-emerging Infectious Disease Entities (SPACERIDE)”	Dr. Dranreb Juanico Principal Researcher, Technological Institute of the Philippines, Philippines “Electro-Acoustic Charging and Integrated Waste-to-Energy Approach for Enhancing Lead-Acid Batteries in Renewable Energy Storage”
11:00-11:10		Dr. Julie Ann Paraggua Department Chair, University of the Philippines, Philippines “Vertically Integrated Research Approach in the Laboratory of Electrochemical Engineering (LEE)”
11:10-11:20	Pitch Session 1 Dr. Cornelia Landersdorfer Assoc Prof, Monash University, Australia “Combating antimicrobial resistance by integrating dynamic infection models, multi-OMICs and mechanism-based modelling towards personalised therapies”	Dr. Richard Espiritu Prof, University of the Philippines, Philippines “Fabrication of cellulose acetate-based anion exchange membranes for fuel cell application”
11:20-11:30	Dr. Ika Nurlaila Research Scientist, BRIN, Indonesia “Revisiting Epstein-Barr Virus Infection in Nasopharyngeal Carcinoma as an Integrated movement within Preparedness against Respiratory-associated Pandemic” Dr. Tanya Applegate Assoc Prof, Kirby Institute, Australia “New molecular tools to uncover the real	Dr. Rapee Utke Assoc Prof, Suranaree University of Technology, Thailand “Hydrogen-based energy storages”

	<p>AMR problem in East Asia”</p> <p>Dr. Gusliani Eka Putri Lecturer, STIKes Syedza Saintika, Indonesia</p> <p>“Bioorganic Synthesis of Cerium Oxide Nanoparticles as Drug Delivery System In Improving The Anticancer Effects of Free Trastuzumab In Treating Breast Cancer”</p>	
11:30-11:40		<p>Dr. Benjamin Craig McLellan Prof, Kyoto University, Japan</p> <p>“Drivers and Barriers for a Hydrogen Economy: from Resources to Social Acceptance”</p>
11:40-11:50	<p>Group Discussion on future collaboration Facilitator: e-ASIA Secretariat End of the Session</p>	<p>Dr. Lorafe Lozano Director, University of San Carlos, Philippines</p> <p>“Sustainability of Renewable Energy Implementations in Off-grids Communities”</p>
11:50-12:00		<p>Dr. Ir. Soni Solistia Wirawan, M.Eng. National Research and Innovation Agency, Indonesia</p> <p>“Biofuel (Biodiesel) Implementation: Opportunity & Challenges”</p>
12:00-12:10	End of the Session	
12:10-12:20		<p>Pitch Session</p> <p>Dr. Andante Hadi Pandyaswargo Assoc Prof, Waseda University, Japan “Sustainable Smart Biowaste-to-Energy System for Regional Revitalization”</p> <p>Prof. Purwo Santoso UGM, Indonesia “Energy policy from Isolated Place, Triggering Energy Transition from the Run Island, Indonesia”</p> <p>Master. Thiti Jittayasotorn Ph.D. Student, Tohoku University, Japan “A Techno-Economic Assessment of Photovoltaic and Electric Vehicle Integration for CO2 Emission Reduction in Cities”</p>

		Dr. Sirikorn Chasvised Researcher, Rambhai Barni Rajabhat University, Thailand
12:20-12:50		Group Discussion on future collaboration Facilitator: Dr. Enrico C. Paringit/ Ms. Grace F. Estillore DOST PCIEERD Dr. Worajit Setthapun PMU-B
End of Workshop		