



Economic Research Institute  
for ASEAN and East Asia

# 2022

## Annual Report



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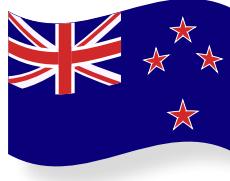
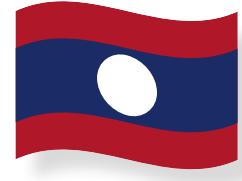
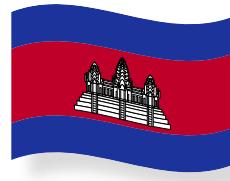
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## Member Countries

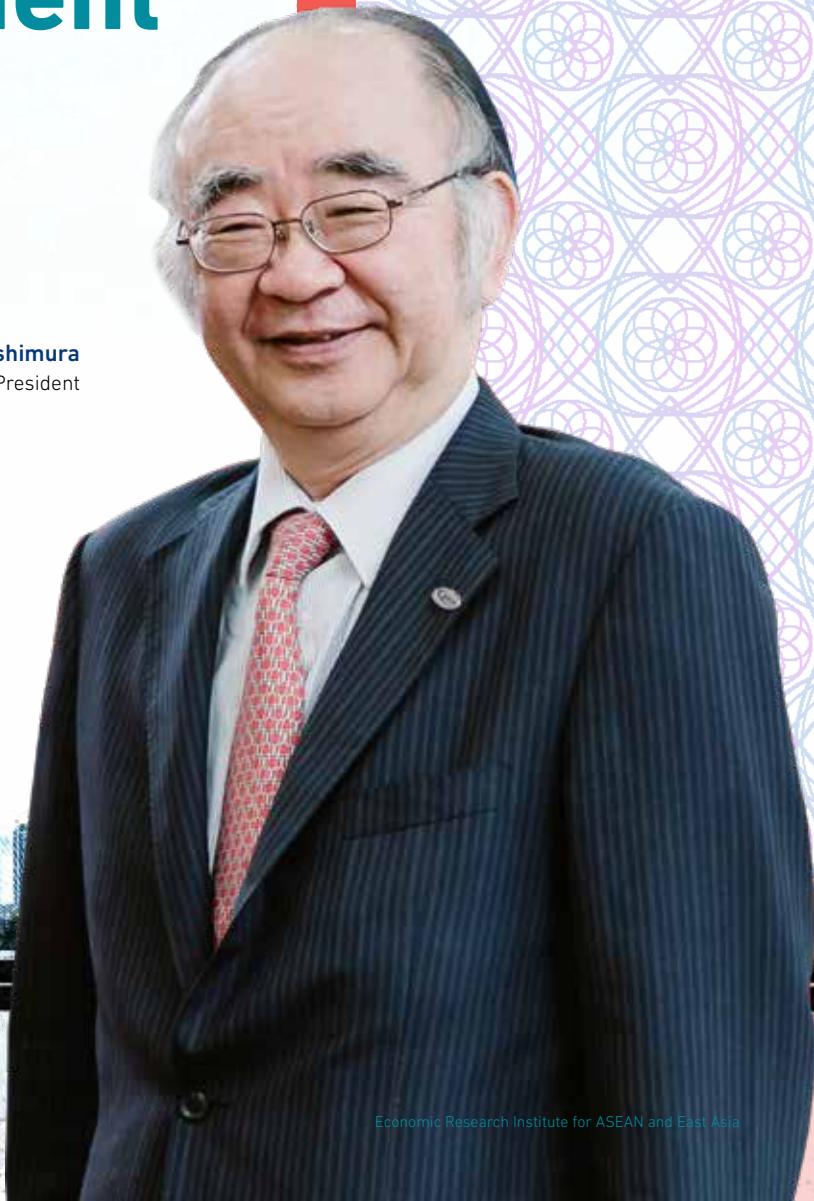


Australia - Brunei Darussalam - Cambodia - China  
India - Indonesia - Japan - Lao PDR  
Malaysia - Myanmar - New Zealand - Philippines  
Republic of Korea - Singapore - Thailand - Viet Nam



# Message from the President

Prof. Hidetoshi Nishimura  
President



We are proud of our achievements in 2022, but we will not be complacent. ERIA will be increasingly vigilant in helping to address the challenges of pursuing deeper economic integration and development in ASEAN and East Asia in the years to come.



In fiscal year (FY) 2022, the Economic Research Institute for ASEAN and East Asia (ERIA) celebrated 15 years of remarkable achievements.

A review of ERIA's deliverables for FY2022 reveals that ERIA has deepened its activities promoting the economic integration and development of East Asia. ERIA released a flagship publication – the Comprehensive Asia Development Plan (CADP) 3.0 – which sets out a roadmap for the region's recovery from the coronavirus disease (COVID-19) pandemic and sets out the vision for the future of Asia from four perspectives. First, integration: a more digitally integrated Asia will strengthen the competitiveness of international production networks in Asia. Second, innovation: a more digitally

innovative Asia will upgrade traditional industries and solve many kinds of complex social problems. Third, inclusiveness: achieving a more inclusive Asia requires closing the digital divide amongst people and businesses in all respects – geographical, industrial, and societal. Fourth, sustainability: creating a more sustainable Asia requires harnessing digitalisation to overcome the challenges of achieving a low-carbon economy, an environmentally friendly carbon-neutral economy, and a disaster-resilient economy. CADP 3.0 clearly shows that digitalisation is the key to realising a more integrated, innovative, inclusive, and sustainable economy in Asia. The publication was commended in the Chairman's Statement at the 17th East Asia Summit (EAS).

Another important field is energy. In FY2022, ERIA conducted various energy policy studies based on the EAS Mid-Term Energy Policy Research Roadmap. ERIA's research includes studies serving the East Asia Summit Economic Ministers Meeting (EAS EMM), the Asia Green Growth Partnership Ministerial Meeting, and the Asia Zero Emission Community Ministerial Meeting; bilateral studies with individual EAS countries; and studies based on ERIA's own initiative as a research institute, such as those in the context of the Energy Research Institute Network (ERIN). These studies include an update of the EAS Energy Outlook and Energy Saving Potential; Carbon Energy Taxation, Revenue Recycling, and Competitiveness; and Best Practices and Policies of Carbon Capture, Utilisation, and Storage. ERIA also launched The Technology List and Perspectives for Transition Finance in Asia to promote transition technology in the region.

A wide range of projects on ageing societies and the care of older persons in the region was carried out by the Health Unit, especially in FY2022, when the winners of the third Healthy Aging Prize for Asian Innovation, co-organised by ERIA and the Japan Center for International Exchange, were awarded. In addition, projects in the medical and pharmaceutical fields were advanced, e.g. a memorandum of understanding was signed with the National Center for Global Health and Medicine in Tokyo in December 2022.

In the field of the environment, ERIA conducted several studies on waste management and marine plastic debris in the region under the Regional Knowledge Centre for Marine Plastic

Debris (RKC-MPD) as part of the Association of Southeast Asian Nations (ASEAN) Plus Three framework. The RKC-MPD organises the Private Sector Platform to promote private sector innovation and new technologies to address marine debris. It also hosts the ERIA Expert Group to organise the sharing of knowledge and insights amongst experts in the region. In the field of agriculture, ERIA has promoted a project to support sustainable agriculture in ASEAN.

ERIA has also maintained good relations with several external partners such as the Organisation for Economic Co-operation and Development (OECD). ERIA participated in the OECD Southeast Asia Regional Programme (SEARP) Ministerial Conference held in Hanoi, Viet Nam in October 2022, highlighting the cooperation between the OECD and ERIA for the development of the ASEAN region. ERIA also participated in the 43rd General Assembly of the ASEAN Inter-Parliamentary Assembly (AIPA) in November 2022 and strengthened cooperation with AIPA by renewing a memorandum of understanding to develop AIPA's capacity on issues related to the ASEAN Economic Community (AEC) and ASEAN economic integration.

ERIA contributed to Cambodia's chairmanship of ASEAN and Indonesia's Presidency of the Group of Twenty (G20) in 2022. It also cooperated with the Government of Cambodia to support the Priority Economic Deliverables and ASEAN Socio-Cultural Community (ASCC) pillars based on two memoranda. Finally, ERIA participated in the Second ASEAN Global Dialogue at the 40th and 41st ASEAN Summit, together with EAS leaders and

heads of international organisations. In line with the G20, ERIA participated in three ministerial meetings (Energy Transition; Trade, Investment, and Industry; and Agriculture) to provide the East Asian perspective on the resolution of global issues. ERIA also participated in the preparatory works for the upcoming G20 chairmanship of India.

The Chairman's Statement of the 17th EAS in Phnom Penh in November 2022 stated that 'We encouraged ERIA to continue providing support for the Chair of the ASEAN Summits and the EAS through targeted high-quality research and actionable policy recommendations, as exemplified through ERIA's paper on 'East Asia Post Pandemic – An Integrative, Innovative, Inclusive, and Sustainable Region through Digitalisation' which was presented to EAS Economic Ministers.

The 40th and 41st ASEAN Summit leaders also acknowledged the contribution of ERIA to ASEAN in the Chairman's Statement: 'We noted the achievements in accomplishing Cambodia's Priority Economic Deliverables for 2022, aided by the ERIA', adding that:

We commended the contribution of the ERIA to Cambodia's ASCC Chairmanship, in particular its support to the development of 13 priority ASCC deliverables. We also appreciated ERIA's assistance and support for research including on Learning Loss in Reading and Mathematics at Primary School Level during the Pandemic in Lower Mekong Countries, and workshops that contributed to ASEAN outcome documents under the ASCC, including the ASEAN Declaration on Fostering ASEAN Identity through the Safeguarding of Traditional Sports and Games in the Modern World and the ASEAN Declaration on Leveraging the Role of Sports in ASEAN Community Building and Achieving the SDGs.

We are proud of our achievements in 2022, but we will not be complacent. ERIA will be increasingly vigilant in helping to address the challenges of pursuing deeper economic integration and development in ASEAN and East Asia in the years to come.

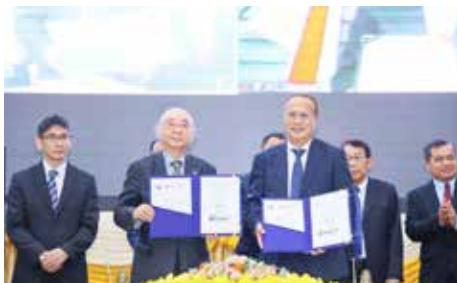


**Prof. Hidetoshi Nishimura**

President



# Event Highlights



## ERIA Signs Memorandum of Cooperation with Cambodia's Ministry of Commerce, Japan Patent Office

Phnom Penh, 30 March 2023

Professor Hidetoshi Nishimura, President of ERIA, signed a Memorandum of Cooperation with the Ministry of Commerce (MoC) of Cambodia and Japan Patent Office (JPO) on 30 March 2023 in Phnom Penh. MoC was represented by H.E. Dr Pan Sorasak, Minister of Commerce and Chairman of the National Committee for Intellectual Property, whilst JPO was represented by Commissioner Koichi Hamano.

The Memorandum of Cooperation is to confirm mutual understanding and cooperation in the field of intellectual property rights (IPR) amongst MoC, JPO, and ERIA. As the digital economy continues to grow, the use of IPR as trademarks and geographical indications is becoming increasingly important for businesses to distinguish themselves from competitors. IPR is seen as a key factor in producing innovative and distinguished businesses in Cambodia.

In this context, MoC, JPO, and ERIA have agreed to strengthen technical cooperation on research in the field of IPR. Under the Memorandum of Cooperation, ERIA will conduct a research project on branding strategies.



## ERIA Signs Memorandum of Cooperation with Cambodia's Ministry of Industry, Science, Technology, and Innovation; Japan Patent Office

Phnom Penh, 30 March 2023

Professor Hidetoshi Nishimura, President of ERIA, signed a Memorandum of Cooperation with Cambodia's Ministry of Industry, Science, Technology & Innovation (MISTI) and the Japan Patent Office (JPO) on 30 March 2023 in Phnom Penh. H.E. Setta Pandita Cham Prasadh, Senior Minister and Minister of MISTI, and Commissioner Koichi Hamano represented MISTI and JPO, respectively.

The Memorandum of Cooperation is to confirm mutual understanding and cooperation in the field of intellectual property rights (IPR) amongst MISTI, JPO, and ERIA. Considering the growing digital economy, securing innovations through IPR such as patents and utility models is necessary to enhance research and development capabilities. IPR is considered a key factor in producing innovative and distinguished businesses in Cambodia.

Under the Memorandum of Cooperation, MISTI, JPO, and ERIA will further strengthen technical cooperation in the field of IPR research. For its part, ERIA will conduct a research project on securing research achievements through IPR and providing IPR education.



## ERIA Joins the 3rd Meeting of the G7 Digital and Tech Working Group

Tokyo, 27–28 March 2023

Koji Hachiyama, COO of ERIA, joined the 3rd meeting of the G7 Digital and Tech Working Group (DTWG). The DTWG is a preparatory meeting for the G7 Digital and Tech Ministers' Meeting in Takasaki, Gunma on 29–30 April 2023.

ERIA also joined the 'Stakeholders' Conference on Digital Technologies for Trust' on 29 March in Tokyo, which is a side event of the G7 Digital and Tech Ministers' Meeting. The conference focused on ensuring 'trust' for data free flow with trust (DFFT), with specific use cases and technologies or mechanisms expected to be implemented in the future. The conference was attended by many government officials, invitees, organisations, companies, and academic groups involved in trust services.



## A Fragmenting World Order: Implications for Southeast Asia in the Indo-Pacific Era

Jakarta, 9 March 2023

ERIA organised a discussion on the shifting geopolitics of the region in the Indo-Pacific era and their implications for regional institutions, high tech, supply chains, research, and university partnerships with Prof. Paul Evans, the Pok Rafeah Chair in IKMAS, UKM Malaysia, and the HSBC Professor at the School of Public Policy and Global Affairs at the University of British Columbia. He concentrated on how two facets of the strategic rivalry between China and the United States are influencing regional stability.

The first is geo-economics, which uses the production of sophisticated semiconductors as an example to show how national security concerns are impacting private sector decisions about where to locate supply chains and introducing new approaches to near-shoring and friend-shoring.

The second is a growing techno-nationalism that considers issues of national security to be those that affect a rapidly expanding range of economic sectors. This encompasses, but extends well beyond, military and dual-use technologies to cover research, design, and production of goods that are advantageous economically in the Fourth Industrial Revolution era.

He mentioned 20 distinct fields, from artificial intelligence and quantum computing to biotechnology and agtech, where research and collaborations are impacted by geopolitical fragmentation and competition. Universities and research organisations are now more than ever confronted with challenging concerns relating to striking a balance between national security goals and legislation and their commitments to open research and communication.



## Public-Private Investment Forum on Acceleration of Clean Energy Projects, Energy Transition Financing, Lower Costs for New Technology

Tokyo, 3 March 2023

To support and coordinate policy for the acceleration of clean energy projects, energy transition funding, and lower costs for new technology implementation, the Asia Zero Emissions Community (AZEC) conducted a public-private investment event. The Japanese Ministry of Economy, Trade, and Industry sponsored the AZEC Ministerial Meeting in Tokyo, which included the forum. Mr. Koboki Hideki, Vice Chair of Keidanren (Japan Business Federation), opened the session by outlining how Japan encourages green transformation through GX: Green Transformation Policy and promotes energy security through AZEC in an era of energy transformation.

East Asian nations are crucial in reducing greenhouse gas (GHG) emissions by changing energy systems, the main GHG emitters, according to Prof. Hidetoshi Nishimura, President of ERIA. He described how ERIA's studies and research contributed to the project. To attain carbon neutrality in the ASEAN region, ERIA and the Institute of Energy Economics Japan have produced a study on cost-effective technology deployment scenarios. Solar photovoltaic, onshore and offshore wind, hydropower, geothermal, biomass, nuclear power, carbon capture, use, and storage, hydrogen, and ammonia are some of the technologies mentioned. According to him, ERIA research can be utilised to deliver renewable energy, deepen the decarbonisation of fossil fuel power generation, and promote the financing of transition technologies. He pointed out the importance of the AZEC forum in significantly contributing to catalysing energy transition transformation in region.



## Prospects of Natural Gas Market in EAS Region Examined at Workshop as Experts See Doubling of Natural Gas Demand by 2050

Jakarta, 21 February 2023

One method of lowering greenhouse gas emissions is to increase the usage of natural gas by using currently available and inexpensive fuels and energy technology. At a workshop on Possibilities of a Natural Gas Market in the East Summit (EAS) Area Despite Carbon Neutrality Pledges and Geopolitical Issues, Prof. Hidetoshi Nishimura, President of the Economic Research Institute for ASEAN and East Asia (ERIA), emphasised this main point. The session was sponsored by ERIA and the Gas Exporting Countries Forum and was held at the Fairmont Hotel in Jakarta (GECF).

According to Prof. Nishimura, to rapidly scale up current cleaner energy sources and technologies, it is necessary to support them with suitable market design, fiscal and policy incentives, and financial incentives.

H.E. Eng Mohamed Hamel, the Secretary General of GECF, gave the workshop's opening remarks. He predicted that by 2050, the demand for natural gas in the ASEAN region would have more than doubled to more than 350 billion cubic meters. The challenges, according to H.E. Mr. Arifin Tasrif, Indonesia's Minister of Energy and Mineral Resources, are developing the infrastructure linking the pipeline from western to eastern Indonesia and developing a new policy framework to attract investment into the natural gas market. He cited the country's potential for natural gas. He said that the use of natural gas has expanded to include, amongst other things, the glass, petrochemical, and fertiliser industries.



## ERIA Joins Think Tank 20 Inception Conference

New Delhi, 13–14 January 2023

The inaugural conference of Think20 (T20), the official engagement group of the Group of Twenty (G20), which unites the world's top academic institutions, was held in New Delhi on 13 and 14 January 2023. G20 country delegates were present at the conference. The 2-day discussions focused on the topic of India's G20 Presidency: Vasudhaiva Kutumbakam, which asserts the worth of all life and is an appropriate representation of the global reform required in the post-COVID-19 world.

The conference laid the groundwork for seven task forces: TF1–Macroeconomics, Trade, and Livelihoods: Policy Coherence and International Coordination; TF2–Our Common Digital Future: Affordable, Accessible, and Inclusive Digital Public Infrastructure; TF3–LiFE, Resilience, and Values for Wellbeing; TF4–Refuelling Growth: Clean Energy and Green Transitions; TF5–Purpose and Performance: Reassessing the Global Financial Order; TF6–Accelerating Sustainable Development Goals: Exploring New Pathways to the 2030 Agenda; and TF7–Towards Reformed Multilateralism: Transforming Global Institutions and Frameworks.

Dr. Venkatachalam Anbumozhi, ERIA's Director for Research Strategy and Innovations; Prof. Fukunari Kimura, ERIA's Chief Economist; and Ms. Anita Prakash, ERIA's Policy Advisor to the President on International Economic Cooperations, co-chaired TF1, TF2, and TF3 discussions, respectively, and presented key findings from ERIA's research.

The T20 India Secretariat Chair and President of the Observer Research Foundation, Dr. Samir Saran, opened the inaugural event by outlining the functions, objectives, and ambitions of the T20. According to him, the most crucial objective of T20 is to develop audacious ideas, create a research network to address global concerns, and encourage collaboration to develop workable policy solutions.

Closing the event, G20 Sous Sherpa Abhay Thakur said India's G20 presidency is an opportunity to make the grouping more inclusive and sustainable. Expressing Indian Prime Minister Narendra Modi's hope at the Bali Summit, he said the G20 presidency should be inclusive, ambitious, action-oriented, and decisive.

T20 is considered as an 'idea bank' for the G20 by bringing together think tanks and high-level experts to discuss policy issues relevant to the G20. The seven task force recommendations will be synthesised into policy briefs and presented as a communique to G20 working groups, ministerial meetings, and the final leaders' summits to be held on 9–10th September 2023 in New Delhi.



## Dr Angel Gurria Receives the 5th Asia Cosmopolitan Award

Nara, 19 January 2023

After a 4-year hiatus owing to COVID-19, ERIA and Nara Prefecture jointly organised the Asia Cosmopolitan Award (ACA) Ceremony for the fifth time. The Under-Secretary-General of the United Nations and Executive Secretary of ESCAP, Prof. Armida Salsiah Alisjahbana, delivered the keynote address at the Nara Forum that followed.

This award seeks to close development gaps in the area, establish sustainable social growth toward cultural and economic integration within the region, and – on a biennial basis – recognise individuals or organisations that have made significant contributions to the development of a peaceful and stable East Asian Community. The former Secretary-General of the Organisation for Economic Co-operation and Development (OECD), Dr Angel Gurria, received the Grand Prize of the 5th ACA, in recognition of his continuous support and longstanding contribution to the field of development. In his acceptance speech, Dr Gurria said, ‘What we are doing here is for honouring people who have capacity to transform the policies into actions, then into well-being which is ultimate. This is to continue work for better policies and for better lives.’

The winners of the Grand Prize, the Economic and Social Science Prize, the Cultural Prize, and the Memorial Prize.

<b>Grand Prize</b>	<b>Angel Gurria</b> Former Secretary-General, Organisation for Economic Co-operation and Development
<b>Economic and Social Science Prize</b>	<b>Mari E. Pangestu</b> Managing Director, Development Policy and Partnership, World Bank
<b>Cultural Prize</b>	<b>Kengo Kuma</b> Architect, University Professor and Professor Emeritus, The University of Tokyo
<b>Memorial Prize</b>	<b>Lee O-young (1934–2022)</b> First Minister of Culture, Republic of Korea <b>Ponciano S. Intal, Jr. (1949–2019)</b> Senior Economist and Senior Policy Fellow, Economic Research Institute for ASEAN and East Asia

Prof Alisjahbana delivered the Keynote speech at the forum, emphasising how global and regional issues affect people because all aspects of their lives are economically, socially and environmentally intertwined. She mentioned the impacts of the Covid-19 pandemic which include rising fuel and food prices, disruptions in international supply chains, and slowed economic output, especially in the service sectors. She pointed out, 'We realised that national policies must be coupled with international cooperation in order to reach long-lasting solutions. We will be able to successfully maintain international financial stability, mitigate climate change and attain sustainable development only by working together. And by working together, the realm of possibilities becomes greater.'

Prof Nishimura closed the forum by thanking all awardees and emphasised their tireless efforts to help create new values and their ambition to move to a new and better era in the Asian region. He added that ERIA will continue to contribute further to the economic integration and economic and cultural development of the region by working together with people like the awardees who are active in various fields while responding immediately to the new trends of the times. He specifically also praised Dr Intal's dedication of his life to the development of ASEAN. He spotlighted that without Dr Intal's dedication, ERIA would not have grown into such an important international organisation that makes policy recommendations at ASEAN summits.

The ceremony and forum were held at the Nara Convention Center and attended by about 230 participants. Each of the Laureates of the 5th ACA, Dr Angel Gurria, Prof Mari Elka Pangestu, and Prof Kengo Kuma also presented their speeches.



## Signing of Memorandum of Understanding between ERIA and NCGM to Accelerate International Clinical Research in Asia

Tokyo/Jakarta, 23 December 2022

ERIA, Jakarta, and the National Center for Global Health and Medicine (NCGM), Tokyo, have signed a Memorandum of Understanding (MoU) to accelerate international clinical research in Asia and to promote the international expansion of pharmaceutical products. ERIA is an international research organisation that conducts policy research on regional trade and investment, industry, national resilience, energy, agriculture, the environment, and healthcare in response to diverse regional needs. NCGM is Japan's research centre to conduct global clinical research, including emerging and re-emerging infectious diseases such as COVID-19. The MoU was signed by their respective presidents, Prof Hidetoshi Nishimura (ERIA) and Norihiro Kokudo (NCGM). ERIA and NCGM plan to implement projects that will contribute to the enhancement of healthcare systems and the promotion of the healthcare industry in the entire region, including Japan and the Association of Southeast Asian Nations (ASEAN).

ERIA will support NCGM's international clinical research activities as a partner of the AR01 Alliance for ASEAN and East Asia (ARISE2), an international clinical research and trials network led by NCGM. NCGM will enhance the clinical research functions of ARISE, a clinical research and trial network in the region, and strive to expand the international development of pharmaceuticals and medical devices needed in Asian countries. Additionally, the MoU will support the Asia Health and Wellbeing Initiative (AHWIN), with its mission to contribute to the realisation of a society that promotes healthy ageing. ERIA, Jakarta, and the National Center for Global Health and Medicine (NCGM), Tokyo, have signed a Memorandum of Understanding (MoU) to accelerate international clinical research in Asia and to promote the international expansion of pharmaceutical products. ERIA is an international research organisation that conducts policy research on regional trade and investment, industry, national resilience, energy, agriculture, the environment, and healthcare in response to diverse regional needs. NCGM is Japan's research centre to conduct global clinical research, including emerging and re-emerging infectious diseases such as COVID-19. The MoU was signed by their respective presidents, Prof Hidetoshi Nishimura (ERIA) and Norihiro Kokudo (NCGM). ERIA and NCGM plan to implement projects that will contribute to the enhancement of healthcare systems and the promotion of the healthcare industry in the entire region, including Japan and ASEAN.

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## ASEAN Envoys, Dialogue Partners Urge ERIA to Undertake New Fields of Research

Jakarta, 2 December 2022

ASEAN diplomats have suggested that the Economic Research Institute for ASEAN and East Asia (ERIA) undertake research on topics such as gender empowerment, energy transition, fiscal transformation, eradication of maritime debris, and green economy. Indonesia's Permanent Representative to ASEAN suggested that ERIA conduct research on ways and means to streamline the ASEAN Outlook on the Indo-Pacific (AOIP). Thai Ambassador Urawadee Sriphromya proposed that ERIA initiate special research or works to commemorate the 50th anniversary of ASEAN-Japan relations.



## METI Lauds ERIA's Programmes

Jakarta, 2 December 2022

ERIA has been strengthening economic-oriented connectivity through its research and activities that promote economic progress and well-being in the region. This assessment was made by Mr Nishimura Yasutoshi, Minister of Economy, Trade and Industry (METI) of Japan, at the 2nd Extraordinary Governing Board Meeting held at the headquarters of ASEAN Secretariat. ERIA has been working to improve connectivity by increasing investment in Asia, promoting economic partnership agreements, developing infrastructure, and building a reliable supply chain. The minister also announced Japan's budget of ¥5 billion for the project, and reiterated Japan's goal of working with ASEAN to overcome mutual challenges by establishing a strong digital economy, realising carbon neutrality, and coping with ageing societies. ERIA's Chief Operating Officer briefed the board on ERIA's contributions to Cambodia's ASEAN chairmanship and Indonesia's Group of Twenty chairmanship, and Prof Fukunari Kimura reported the institute's research and activities over the years. Recommendations were made to join the private sector in leveraging ERIA's future financial sustainability and other areas of cooperation, including capacity building in digital transformation, small and medium-sized enterprises, green economy, social inclusion, and women's empowerment.

Prof Jun Arima, ERIA's Senior Policy Fellow for Energy and Environment, discussed the trajectory of decarbonisation in the ASEAN region. ASEAN Secretary General Dato Lim Jock Hoi urged ERIA to provide input to the ongoing discussion on ASEAN Vision 2025 and to include Timor-Leste's future membership in ASEAN in its research. ERIA's research activities have continued unabated, with regular publication of research, policy briefs, disunion appears, journal articles, and events and media presentations. Board members from Australia, Brunei Darussalam, Cambodia, China, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, New Zealand, Singapore, and Viet Nam expressed support for ERIA's future research in deepening economic integration, narrowing development gaps, and sustaining economic development.



## ERIA's Achievements Highlighted in RIN Annual Meeting

Bangkok, 24 November 2022

The Research Institute Network (RIN) held its in-person annual gathering on 24 November 2022 in Bangkok, Thailand. The event was organised by ERIA and the Institute of Developing Economics-Japan External Trade Organization (IDE-JETRO). RIN is a network of research institutes from 16 East Asia Summit countries whose function is to support research activities of ERIA by providing it with country information and research findings and advising on its research theme and policy recommendations. Prof Hidetoshi Nishimura, President of ERIA, opened the gathering by welcoming the RIN members. He reported the institute's participation in the EAS Economic Ministerial meeting, the G20 Trade in Digital Economy meeting, and the ASEAN Business and Investment Summit.

He also discussed the Comprehensive Asia Development Plan 3.0 (CADP 3.0) and recommended ways to transform the digitalised economy. RIN Chairperson Dr Hank Lim Giok-Hay, from the Singapore Institute of International Affairs, said that RIN has strategic advantages and has helped the region integrate through its numerous research studies and dialogues. Two members were admitted to the network: the Macroeconomic Research Institute of the Lao Academy of Social and Economic Sciences and the Institute of Malaysian and International Studies. Mr Atsusuke Kawada, President of the Bangkok Research Center, JETRO Bangkok/IDE-JETRO, gave a comprehensive report on RIN activities in the past 13 years. Dr Shiro Armstrong, Director of the Australian-Japan Research Center, Crawford School of Public Policy of the Australian National University, outlined RIN projects that related to the region's future trajectory in economic and national security, and Mr Nguyen Anh Duong, director of the Central Institute for Economic Management, Viet Nam, forecast that the global economy would see more volatility and uncertainties due to geopolitical rivalry and tensions as well as macroeconomic imbalance. He suggested that RIN members consider issuing a joint statement on the Indo-Pacific Economic Framework (IPEF).

Two ERIA economists assessed the institute's research activities, including CADP 3.0 and the ASEAN Plus Three Research Project for Closing the Digital Divide in Micro, Small, and Medium-Sized Enterprises. Dr Dionisius A. Narjoko, ERIA's Senior Economist, discussed the significance and challenges of RCEP, while Dr Kazunobu Hayakawa, Vice President of the Bangkok Research Center, JETRO Bangkok/IDE-JETRO, presented a detailed study on the RCEP utilisation and trade creation. The final session focused on the outcome of the G20 summit in Bali, Indonesia, and the challenges that India, the next G20 host, will face. During the discussion, Mr Koji Hachiyama stressed that more needs to be done to make cost management more efficient and to control production and sale processes to allow companies to create new business models and sources of revenue. ERIA will establish a new centre for digital innovation and sustainable economy within the institute next year.

Prof Nishimura said ERIA would spare no efforts in promoting regional economic integration and sustainable economic development through digitalisation in the East Asia region by conducting multi-faceted research in key areas such as the economy, energy, environment, healthcare, and on issues related to agriculture.

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## ERIA President Says Digitalisation is Key Driver of ASEAN Development

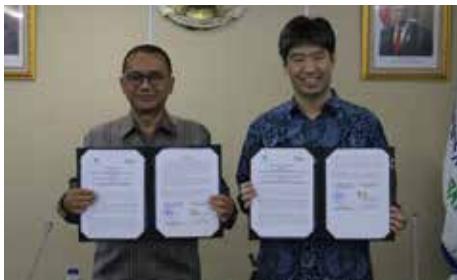
Phnom Penh, 20–25 November 2022

Prof Hidetoshi Nishimura, President of ERIA, at the 43rd ASEAN Inter-Parliamentary Assembly (AIPA) General Assembly, presented the Comprehensive Asia Development Plan (CADP) 3.0 and said digitalisation would be the key driver of development of the ASEAN region.

The assembly, held in Phnom Penh, Kingdom of Cambodia, on 20–25 November 2022, was attended by AIPA members and other parliamentarians as observers. Samdech Akka Moha Ponhea Chakrei Heng Samrin, President of the National Assembly of the Kingdom of Cambodia and President of the 43rd AIPA, welcomed the participants whilst Samdech Akka Moha Sena Padei Techo Hun Sen, Prime Minister of the Kingdom of Cambodia and Chairman of ASEAN, delivered the keynote speech.

At the first plenary session, Prof Nishimura announced the creation of the Centre for Digital Innovation and Sustainable Economy to meet the urgent needs of ASEAN and contribute to realising the vision set out in CADP 3.0. The organising committee meeting discussed the renewal of and amendments to the Memorandum of Understanding to Develop AIPA's Capacity on Matters Concerning ASEAN Economic Community.

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## ERIA Signs MoU with Indonesia's Ministry of Investment for Joint Study on Policy, Capacity Building

Jakarta, 18 November 2022

ERIA signed an MoU with Indonesia's Ministry of Investment/Investment Coordinating Board (BKPM) to support the Ministry of Investment reforms. ERIA's Chief Operating Officer, Mr Koji Hachiyama, was accompanied by Dr Lili Yan Ing, Lead Advisor, Southeast Asia Region; Dr Aladdin Rillo, Senior Economic Advisor; Dr Fauziah Zen, Senior Economist; Dr Doan Thi Thanh Ha, Economist; and several ERIA staff from the research, legal, and communications departments. Dr Riyatno, Deputy Chairman for Investment Cooperation at BKPM, welcomed the ERIA delegation and explained the recent developments implemented by the government to improve the business and investment climate. Dr Indra Darmawan and Mr Pradana Indraputra, BKPM's Special Staff for National Entrepreneur Development, also attended the signing ceremony.



## ERIA's Support for Indonesia's G20 Presidency

Jakarta, 16 November 2022

The 2-day Group of Twenty (G20) Summit in Bali ended on 16 November 2022 with the ratification of the Leaders' Declaration. The declaration begins with an affirmation of the importance of global economic cooperation and with the acknowledgments of the multidimensional crisis from the COVID-19 Pandemic, climate change, and geopolitical crises that have thwarted global sustainable development. G20 leaders agreed to make various efforts to ensure food and energy security, adopt digital technologies for innovations, take further collective action to achieve the United Nations' Sustainable Development Goals, address climate change, and strengthen the global health sector.

Throughout Indonesia's G20 Presidency, ERIA has given support by participating in various working groups, conducting relevant research, producing key publications, and attending several G20 events. ERIA's support is acknowledged on page 17 of the G20 Leaders' Declaration.

Working Groups: Trade, Investment, and Industry Working Group, Energy Transition Working Group, Agriculture Working Group, Digital Economy Working Group, Infrastructure Working Group, Women Empowerment Working Group. ERIA also produced two Key Publications and nine T20 Policy Briefs. ERIA also co-hosted/participated in 20 G20/T20 events and four G20 ministerial conferences.

Details of the events can be downloaded at:



## Issues on Inclusiveness of Digital Transformation Worry Experts

Bali, 15 November 2022

The adoption and use of digital technologies and the speed of transformation vary amongst Group of Twenty (G20) economies, raising concerns about the inclusiveness of the digital transformation. A panel of experts discussed the transformative potentials and barriers of digitalisation, which include lack of high-quality and affordable infrastructure, lack of trust in digital technologies and activities, shortage of skills needed to succeed in the digital economy, a more reactive than proactive approach to the openness of the internet, roadblocks to trade services, high costs of and poor access to financing for smaller firms, reallocation of resources across firms and sectors, and lack of interoperability of standards.

The panel proposed several ideas to resolve issues regarding quality of life, and recommended the support of G20 leaders to adopt best practices and policies that will enable all relevant actors to work together more effectively to foster an interoperable environment in support of sustainable and inclusive growth. Mr Koji Hachiyama, ERIA's Chief Operating Officer, welcomed the panel discussion and announced that in 2023, ERIA will establish the Centre for Digital Innovation and Sustainable Economy, a virtual and physical platform for policymakers, businesses stakeholders, and academic professionals. He added that the centre will contribute to maximising the transformative potentials of digitalisation in the region. Prof Taufan, Sachin Chaturvedi, and more than 100 participants attended the event to discuss the importance of digitalisation of finance, trade, infrastructure, and governance.



## **ERIA President Says International Production Networks in Asia Remain Robust and Resilient Against Various Shocks**

Phnom Penh, 11–13 November 2022

At the 2nd ASEAN Global Dialogue, held on 13 November 2022 in Phnom Penh, Cambodia, Prof Hidetoshi Nishimura, President of ERIA, assessed that international production networks in Asia remain robust and resilient against shocks, and launched the Comprehensive Asia Development Plan 3.0. The dialogue was part of the 40th and 41st ASEAN and Related Summits held there on 11–13 November 2022.

He also announced establishment of the Centre for Digital Innovation and Sustainable Economy, a new platform for policymakers, businesses, and academics to help transform Asia into a fully digitalised sustainable economy.



## Asia's Digital Future the Focus at Comprehensive Asia Development Plan 3.0 Symposium

Phnom Penh, 9 November 2022

The coronavirus disease (COVID-19) pandemic has caused trade disruptions, a drop in foreign direct investment, and scarring effects on poverty, education, and women in many nations, but it has also had beneficial features. Factory Asia has continued to produce and export during the pandemic, and the adoption of ICT has boosted economic growth. The Comprehensive Asia Development Plan 3.0 (CADP 3.0) addresses the above-mentioned urgent concerns and discusses economic growth and social problem-solving in the region from the viewpoints of integration, innovation, inclusiveness, and sustainability. This research was the focus of a Symposium co-organised by ERIA and the Ministry of Commerce of the Royal Kingdom of Cambodia. Prof Hidetoshi Nishimura and Mr Koji Hachiyama introduced the new Centre for Digital Innovation and Sustainable Economy, which will provide a public-private platform to create unified rules across the region, share information on digital and carbon-neutral economies, and provide practical policy advice.



## Implementation of RCEP Highlighted at ERIA High-Level Forum

Phnom Penh, 2–3 November 2022

The Regional Comprehensive Economic Partnership (RCEP) is a multilateral regional free trade agreement between ASEAN Member States and ASEAN's FTA partners that aims to strengthen economic linkages and enhance trade and investment related activities. A high-level forum was held to celebrate the 10th Anniversary of RCEP initiation and handover two ERIA books to the Prime Minister of Cambodia. The opening ceremony was presided over by His Excellency Hun Sen, who delivered the keynote speech and recommendations for the effective implementation of the RCEP Agreement. The forum included a high-level panel, stakeholders' panel, and session during which key chapters of the RCEP Agreement will be discussed.

The Prime Minister and Minister of Commerce for the Royal Kingdom of Cambodia awarded Prof Nishimura the Friendship Medal Class Moha Sena in recognition of his important contributions to the Kingdom of Cambodia. Prof Nishimura highlighted the synergy between RCEP and ERIA's CADP 3.0, which promotes regional integration within an innovative, inclusive, and sustainable framework.



## ERIA's Participates in the OECD Southeast Asia Regional Program Ministerial Forum

Hanoi, 17–18 October 2022

ERIA delegation participated in the Organisation of Economic Co-operation and Development (OECD) Southeast Asia Ministerial Forum in Hanoi, Vietnam, under the theme of 'Connecting Regions: Partnerships for Resilient and Sustainable Supply Chains'. The forum invited ministers from OECD member countries and the Southeast Asian region, heads of international organisations, and business sectors. Professor Hidetoshi Nishimura made an intervention during the second ministerial session, emphasising the importance of digitalisation for the development of the region. He also had a bilateral meeting with OECD Secretary General Mathias Cormann and presented ERIA's key publication, CADP 3.0. On the second day of the meeting, the OECD–Viet Nam High-level Economic Forum was held.



## 13th ASEAN Connectivity Symposium Held in Phnom Penh

Phnom Penh, 3 October 2022

The 13th ASEAN Connectivity Symposium was held in Phnom Penh on 3 October 2022 with the theme Enhancing Connectivity Towards an Inclusive, Sustainable, and Resilient ASEAN Community Post 2025 Vision. H.E. Dato Lim Jock Hoi, Secretary General of ASEAN, highlighted the importance of sustainable infrastructure and circular economy for urban areas, supporting mechanisms to facilitate connectivity coordination, youth participation in innovative solutions, and future-oriented and potential change for development.

Prof Hidetoshi Nishimura, ERIA President, announced the publication of CADP 3.0, which includes the comprehensive themes of the development topics. H.E. Prak Sokhonn, Cambodia's Deputy Prime Minister and Minister of Foreign Affairs and International Cooperation, welcomed the symposium and called for unity to strengthen ASEAN connectivity. Session 2 discussed strengthening partnership to deliver MPAC 2025 and Beyond, while Session 3 discussed financing sustainable infrastructure development and the role of the private sector. Session 4 discussed how infrastructure projects should be more sustainable and efficient from construction to maintenance. H.E. Tauch Chankosal, Standing Secretary of State, Ministry of Public Works and Transport of the Kingdom of Cambodia, delivered the closing remarks.

Prof Fukunari Kimura, ERIA's Chief Economist, noted that international production networks are resilient and that it is necessary to take advantage of digital technologies. Ambassador Ong Keng Yong moderated the session.



## ERIA President Participates in G20 Agriculture Ministers' Meeting in Bali

Bali, 28 September 2022

Prof Hidetoshi Nishimura, President of ERIA, led a delegation to the G20 Agriculture Ministers' Meeting held at the Intercontinental Bali Resort in Jimbaran, Bali, Indonesia. The meeting was attended by Agriculture Ministers from G20 countries and seven invited countries as well as representatives from eight international organisations. During the session on 'Innovative Agri-preneurship through Digital Agriculture to Improve Farmers' Livelihood in Rural Areas', Prof Nishimura shared ERIA's efforts to support an inclusive digital future. He also introduced ERIA's Comprehensive Asia Development Plan or 'CADP 3.0', which highlights the importance of digital agriculture. During the break, Prof Nishimura exchanged views on food security and other important issues in the food and agriculture sector.

The Chair emphasised that digital technology is a tangible solution to developing agriculture and food systems and that the commitment and collaboration amongst G20 Member Countries as well as support from the international organisations are the key to the implementation of digitalisation in agriculture. ERIA will continuously address the challenges of building and enhancing sustainable and resilient agriculture and food systems through its research and other activities.



## ERIA President Reports on Transition Finance at Asia Green Growth Partnership Ministerial Meeting in Tokyo

Tokyo, 26 September 2022

The 2nd Asia Green Growth Partnership Ministerial Meeting (AGGPM) 2022 was held in Tokyo, Japan to discuss the importance of a balanced energy transition for achieving sustainable economic growth, mitigating climate change, and ensuring energy security. The meeting was opened by H.E. Mr Nishimura Yasutoshi, Japan's Minister of Economy, Trade, and Industry, followed by a speech from Dr Fatih Birol, Executive Director of the International Energy Agency (IEA). Representatives from Bangladesh, Brunei Darussalam, Cambodia, Canada, Indonesia, Iran, Lao People's Democratic Republic, Malaysia, Pakistan, the Philippines, Saudi Arabia, Singapore, Thailand, United Arab Emirates, Viet Nam, the ASEAN Economic Community, and the Economic Research Institute for ASEAN and East Asia (ERIA) reported on their efforts to speed up an inclusive energy transition and heighten the role of international cooperation. Prof Hidetoshi Nishimura, President of ERIA, shared ERIA's perspective on ASEAN's carbon neutrality challenges.

The first session discussed transition finance guidelines, technology lists, and perspectives on transition finance, as well as financial activities and policies in line with AETI and Asia Transition Finance (ATF). Japan's government is seeking to contribute to the region's transition to a more sustainable economic model and carbon neutrality, and ERIA has developed Technology List and Perspectives for Transition Finance in Asia. A memorandum of understanding was signed for projects that contribute to Asian energy transition. Special messages were delivered by Mr Asakawa Masatsugu, President of the Asian Development Bank, Mr Paul Everingham, Chief Executive Officer (CEO) of Asia Natural Gas and Energy Association, Singapore, Mr Jaideep Khanna, Head of Barclays, Asia Pacific, Mr Nadir Godrej, Chairman of Godrej Industries Ltd and Godrej Agrovet Ltd, Mr Hayashi Nobumitsu, Governor of the Japan Bank for International Cooperation, Ms Verena Lim, CEO of Macquarie Group Asia, Mr Eugene Weng Soon Wong, CEO of the Sustainable Finance Institute, Mr Bill Winters, Group Chief Executive of Standard Chartered, Ms Koike Yuriko, Governor of Tokyo, Mr Jesper Koll, Expert Director of Monex Group and Japan Catalyst Fund, and Dr Mari E. Pangestu, Managing Director for Development Policy and Partnerships, World Bank.



## ERIA Participates in the 10th EAS Economic Ministers' and Related Meetings

Siam Reap, 17 September 2022

The 10th East Asia Summit Ministers' Meeting and the 25th ASEAN Economic Ministers Plus Three were held in person in Siem Reap, Cambodia on 17 September 2022. Prof Hidetoshi Nishimura, the President of ERIA, presented ERIA's Comprehensive Asia Development Plan 3.0 (CADP 3.0) to East Asia Summit ministers at a special event hosted by ERIA to launch the important publication 'The Comprehensive Asia Development Plan (CADP) 3.0: Towards an Integrated, Innovative, Inclusive, and Sustainable Economy.'



## 'ASEAN's Challenges on Carbon-Neutrality and Energy Security' – The Fifth East Asia Energy Forum 2022

Phnom Penh, 12 September 2022

The Fifth East Asia Energy Forum (EAEF) was held in Phnom Penh, Cambodia with the theme 'ASEAN's Challenges on Carbon-Neutrality and Energy Security'. The forum was privileged to have a welcoming remark by H.E. Suy Sem, Minister of Mines and Energy, Cambodia, who highlighted the global energy issues exacerbated by the Russia-Ukraine war. He emphasised the need to mobilise huge investment and the facilitation of the investment climate for clean energy and renewable energy projects, as well as financing infrastructure projects to assimilate existing coal-fired and gas-fired power generation to using clean technologies; carbon capture, utilisation, and storage; and hydrogen technologies.

H.E. Dato Lim Jock Hoi, Secretary-General of ASEAN, highlighted the efforts to find solutions for decarbonisation and climate mitigation efforts within the region. His Excellency also stated that the support of the finance and banking sector for the carbon neutrality strategy will expedite the realisation of energy security, affordability, and accessibility.

Several high-level officials from energy ministries from ASEAN countries, Japan, and the United States participated in this forum to convey their commitments to be part of international cooperation for achieving carbon neutrality targets. Global energy experts, policymakers, academics, and public and private institutions such as ASEAN Centre for Energy (ACE), Institute of Energy Economics, Japan (IEEJ), International Energy Agency (IEA), Organisation for Economic Co-operation and Development (OECD), Kpler, and MUFG Bank also took part in the panel discussion and assessed the impact of the Russia–Ukraine War on global energy security, actions towards affordable energy transition, and securing investment towards carbon-neutrality efforts. The President of ERIA, Prof Hidetoshi Nishimura, emphasised the importance of securing natural gas supply and multiple pathways toward carbon neutrality.



## T20 Summit Encourages G20 Leaders to Support More Inclusivity

Bali, 4–6 September 2022

The T20 Summit, with as its theme ‘Strengthening the Role of the G20 to Navigate the Current Global Dynamics,’ was held in Bali on 4–6 September 2022 with more than 80 speakers from eminent institutions and organisations gathered to present the latest research-based policy recommendations and matters of global importance.

After working with more than 600 authors, policy briefs around three key themes this year aimed to deliver policy options that can be adopted by the G20 leaders on global health architecture, digital transformation, and energy transition. The summit also served as an interactive platform for peers to advance and share ideas on building a more prosperous, sustainable, and inclusive world. With four plenaries, more than 16 thematic sessions, networking experiences, and small group sessions, the T20 Summit 2022 provided a deep dive into the cross-cutting thematic areas that represent the most pressing challenges in the region. ERIA served as a knowledge partner of the T20 Secretariat in Indonesia’s Presidency. ERIA’s experts acted as Co-chairs in Task Force 1, Task Force 2, Task Force 3, and Task Force 8. At the Gala Dinner, ERIA President Prof Hidetoshi Nishimura congratulated the Government of Indonesia as the Chair of the G20 2022. ERIA’s Chief Economist Prof Fukunari Kimura also participated as a speaker in the plenary session discussing the theme ‘Bridging Diverse Interests for Greater Global Cooperation.’ ERIA also co-hosted a Special Session: Launch of ‘G20 Research Forum’: Towards Multi-Dimensional Perspectives on G20 Development Agenda, where Prof Nishimura delivered remarks and Ms Anita Prakash, ERIA’s Senior Policy Advisor for International Economic Cooperation, participated as a panelist. ERIA also had a great chance to connect with other eminent institutions from around the world and showcase its publications at ERIA’s booth. The Think20 (T20) is the official engagement group of the G20, bringing together leading think tanks and research centres from around the world.



## T20 Indonesia Summit 2022: Special Session – Launch of ‘G20 Research Forum’: Towards Multi- Dimensional Perspectives on G20 Development Agenda

Bali, 5 September 2022

ERIA, Research and Information System for Developing Countries (RIS), and the Institute for Economic and Social Research – Faculty of Economics and Business, University of Indonesia (LPEM FEB UI) jointly launched the G20 Research Forum at the T20 Summit in Bali, Indonesia on 5 September 2022. The GRF aims to provide well-researched inputs for the G20 process and its ministerial tracks, on developmental issues for the members and non-members of the G20. It will undertake studies, organise brainstorming sessions, collaborate with governments and chairs of the G20, and establish links with multilateral organisations such as WTO, World Bank, ILO, EIB. It will especially support the developmental agenda in the G20 meetings in the years ahead. Prof Hidetoshi Nishimura, President of ERIA, offered ERIA's research and institutional capacities for the GRF, across the next several presidencies. ERIA and its partner organisations will be contributing to the global governance process through the G20 presidencies in next few years. The GRF will begin its active research and monitoring works for the G20 process by the end of 2022.



## ERIA President Meets the Minister of Economy Trade and Industry of Japan

Jakarta, 3 September 2022

The President of the Economic Research Institute for ASEAN and East Asia (ERIA), Professor Hidetoshi Nishimura, had a meeting with His Excellency Yasutoshi Nishimura, Minister of Economy Trade and Industry of Japan in Jakarta. Both parties discussed important issues on energy transition and net zero emission strategy in ASEAN, as well as the digital transformation in the region.



## G20 Digital Innovation Network Aims for a Stronger Post-pandemic Recovery Collaboration with Global Innovation Players

Bali, 2–4 September 2022

The G20 Digital Innovation Network (G20 DIN) was held in Bali, Indonesia, on 2–4 September 2022 to discuss, enhance, and strengthen cooperation and collaboration for digital innovation and transformation that collectively support stronger world recovery. With as its theme 'The Rise of Digital Economy: Post Pandemic Recovery and Beyond', the Indonesian G20 DIN aimed to showcase innovative solutions from start-ups amongst the G20 members and invitees from the healthtech, fintech, edtech, supply chain, and green and renewable energy sectors; share knowledge and insight on emerging innovations during the COVID-19 pandemic and post-pandemic recovery; and enhance public–private partnership by providing a platform and business opportunities and junctures to network and collaborate. Keynote speakers in four panel discussion sessions shared insights and lessons learnt from global tech companies and industry leaders from Google, Zoom, Grab, Alpha JWC Venture Accel, and Ajaib. In one session, Yossi Matias, Google's Vice President for Engineering and Research, noted that digital innovation, especially the use of artificial intelligence (AI), holds great potential and opportunities to solve some of the most pressing issues such as climate and sustainable environment crises. Abhist Arora, Zoom's Head of Corporate Strategy, remarked that the pandemic has accelerated the movement of people towards digital platforms, with the future of work now being defined by flexibility.

The panel speakers discussed the future of the tech industry, global tech investment outlook, sustainable investments, and learning from Indonesia's early unicorns. They agreed that building an ecosystem for digital talents/professionals is critical for enabling more inclusive and innovative solutions. Markus Bracht, DEG's Vice President for Equity Asia, discussed the need for investing in sustainable business and the increasing interconnectedness of global problems. Prashanth Prakash, Partner at Accel, discussed the risks for investors or start-ups. Andrew Schoen, NEA Partner, proposed ways to weather the uncertainties and collaborate on building cooperation in cross-sector and nascent industries. The event held start-up pitching sessions on healthtech, edutech, supply chain, and fintech.



## 'Exploring Short-term Solutions to the Global Gas Crisis' – G20 Energy Transition Working Group (ETWG) parallel event

Bali, 29 August 2022

ERIA and the Ministry of Energy and Mineral Resources (MEMR) co-hosted the Hybrid Workshop as a G20 ETWG III Parallel Event on 'Exploring Short-term Solutions to the Global Gas Crisis' organised back-to-back with the 3rd Energy Transition Working Group Meeting and the G20 Energy Transition Ministerial Meeting. The world is going through a complex energy crisis, and natural gas is just a single dimension. The consequences of the energy crisis are being felt across countries and industries in more acute ways. There is an ongoing mismatch of supply and continuous, more responsive, and elastic energy demand, exacerbated by further elevated energy price levels and volatility. The current gas crisis could seriously affect not only the world energy security but also the world energy transition progress.

The workshop was held with the aim of finding short-term solutions to stabilise the global gas market so that the world can continue to recover together and strongly amidst the geopolitical crisis. The event started with opening remarks by Mr Yudo Priaadi, Chair of G20 ETWG, followed by the first keynote speeches by Prof Tutuka Ariadji, Director General, Directorate General of Oil and Gas, Ministry of Energy and Mineral Resources of Indonesia, and H.E. Eng. Mohamed Hamel Secretary General of the Gas Exporting Countries Forum (GECF). The third keynote speech was delivered by Prof Hidetoshi Nishimura, President of ERIA.

Mr Hiroshi Hashimoto, the Head of Gas Group, Fossil Energies & International Cooperation Unit, The Institute of Energy Economics Japan (IEEJ), was the main speaker at the event. Panel Session One discussed the importing and exporting countries' perspectives on and reactions to the proposed solutions for the global gas crisis, while Session Two discussed the market effects of possible short-term measures.

The two panel sessions discussed the need for the G20 to send strong and unequivocal messages about the necessity of new gas investment. Mr Koji Hachiyama, COO of ERIA, emphasised the importance of energy security for allowing all countries to continue with the economic recovery from the pandemic and to progress towards net zero emissions by the middle of the century. He suggested that the G20 should consider all the available means for ameliorating the situation in collaboration with relevant international organisations such as IEA, IEF, and GECF. ERIA will provide continuous support in solving the gas crisis, ensuring energy security, and accelerating the energy transition process.



## ERIA Presents East Asia Post Pandemic – An Integrative, Innovative, Inclusive and Sustainable Region through Digitalisation, at the EAS Senior Economic Officials' Meeting

Siam Reap, 6 August 2022

ERIA presented at the Third Meeting of the ASEAN Senior Economic Officials and the 11th SEOM-EAS East Asia Summit Senior Economic Officials' Meeting. Mr Koji Hachiyama, ERIA's Chief Operating Officer, highlighted the importance of leveraging digitalisation to recover quickly from the COVID-19 pandemic and to move forward in a way that supports an inclusive, innovative, inclusive, and sustainable Asia. Dr Keita Oikawa presented the progress of the 'ASEAN Plus Three Research Project for Closing Digital Divide in MSMEs.' The findings showed that MSMEs' digital adoption is more focused on the sales and marketing function, Covid-19 expedited the adoption of digital sales and marketing functions, a lack of internet infrastructure and supporting services in rural areas in relatively lower-income countries, IT skills and business knowledge remain issues for MSMEs digitalisation, and MSMEs tend not to care about cybersecurity risk.



## ERIA Participates in the 2nd G20 Agriculture Deputies Meeting in Yogyakarta

Yogyakarta, 27–29 July 2022

The Second G20 Agriculture Deputies Meeting (ADM) was held on 27–29 July 2022 in Yogyakarta, Indonesia. It was attended by G20 member countries, invited countries, the EU, and international organisations. The main theme of the G20 Indonesia presidency was 'Recover Together and Recover Stronger'. The Minister of Agriculture of Indonesia, Prof Dr H. Syahrul Yasin Limpo, opened the ADM with remarks emphasising the importance of 'Balancing Food Production and Trade to Fulfil Food for All'. Dr Venkatachalam Anbumozhi, Director of Research Strategy and Innovation, emphasised the need for transformative agricultural pathways for stronger economic recovery through digital transformation. ERIA also contributed to the joint webinar with the theme 'Digital Technology Transformation in The Agriculture Sector in Developing Countries' organised in support of the Agriculture Working Group and Development Working group.



## ERIA Co-Hosts G20 High-Level Forum on Trade, Investment, and Industry

Jakarta, 26–27 July 2022

ERIA co-hosted a G20 High-Level Forum (HLF) on trade, investment, and industry with the International Economic Association (IEA), Ministry of Industry of Indonesia, Ministry of Trade of the Republic of Indonesia, and Ministry of Investment of Indonesia (BKPM) on 26 and 27 July 2022. The event opened with a keynote speech by Dr Irangga Hartarto, who emphasised the importance of global coordination in these times of turbulence due to the COVID-19 pandemic's scarring effects and geopolitical tensions. The current challenges come from the Ukraine war, high inflation, and rising energy prices, and the G20 must be a strategic platform to respond to these challenges and make the right policies for the world. The first day of the WTO's 12th Ministerial Conference saw speeches from ERIA's President, Dr Ngozi Okonjo-Iweala, WTO's Director General, and three ministers of the Republic of Indonesia. Minister Hasan stated that global challenges require global solutions, and that trade, investment, and industry need to synergise together to achieve strong and sustainable economic growth.

Minister Kartasasmita said that comprehensive development of industry 4.0 could support technological progress and lay the groundwork for inclusive and sustainable industrialisation. Deputy Riyatno discussed the importance of green investment and the need to agree on the rules regarding a more equitable carbon market between developed and developing countries. Panel discussion with experts on trade and investment discussed three sub-themes: Achieving Sustainable Development Goals via Stronger, Inclusive and Transparent WTO and Multilateral Trading System (MTS); The Role of Sustainable and Innovative Investment on Addressing Global Economic and Environment Challenges; and Ensuring Sustainable and Resilient Industry through Industry 4.0 to Support Economic Recovery.



## ISPONRE and ERIA Sign MoU to Promote Institutional Cooperation on Prioritised Research Fields

Ha Noi, 11 July 2022

ERIA's COO, Mr Koji Hachiyama, signed a MoU with The Institute of Strategy and Policy on Natural Resources and Environment (ISPONRE) of Viet Nam, represented by Assoc Prof Dr Nguyen Dinh Tho, as the President of ISPONRE on 11 July in Ha Noi.

The MoU aims to promote institutional cooperation between both organisations in academic fields of mutual interest to strengthen the capacity of research and the effectiveness of dissemination of research findings, in the following areas: Sustainable Development Goals (SDGs); Low Carbon Development; Sustainable Consumption and Production; Green Technology and Innovation; Natural Resources and Ecosystem Services; Circular Economy, 3Rs and Waste Management; and Other thematic areas relevant to both parties.

This MoU will remain in force for 5 years.



## ERIA President Delivers Keynote Address at the Brunei Darussalam Energy Symposium 2022

Bandar Seri Begawan, 16 June 2022

Professor Hidetoshi Nishimura, President of ERIA, delivered a keynote address at the Brunei Darussalam Energy Symposium 2022 on 'Energy Security and Energy Transition: Today and Tomorrow'. The conference was held at the Musyawarah Hall, International Convention Centre in Bandar Seri Begawan. Professor Nishimura discussed ASEAN's carbon neutrality goals in 2050, 2060, and 2065, highlighted at COP26. ERIA and the Institute of Energy Economics Japan (IEEJ) are conducting a study on cost-optimal deployment of renewable energy technology for 2060 carbon neutrality. In the short to medium term, efficient gas-fired power plants will reduce CO<sub>2</sub> emissions from fossil power generation.

In the power sector, a rising number of ASEAN countries are interested in converting from coal to natural gas. Prof Nishimura stressed the importance of carbon capture and storage (CCS) for mid- to long-term decarbonisation. ERIA and Japan launched the Asia CCUS Network in June 2021, and the 4th East Asia Energy Forum was successfully convened in September 2021. ERIA's research work was welcomed by the leaders, and the ASEAN region should strive for a gradual, realistic energy transition with available financing. ERIA has a plan to promote energy-saving and new energy research projects, and the energy symposium was attended by Yang Mulia Dato Seri Paduka Awang Haji Matsatejo bin Sokiaw, Deputy Minister, Department of Energy, Prime Minister's Office, and government officials, industry executives, intergovernmental organisations, academics, and experts from Brunei Darussalam.



## ERIA Holds the 15th ERIA Governing Board Meeting

Jakarta, 2 June 2022

The 15th ERIA Governing Board meeting was held on 2 June 2022 due to travel restrictions. The Governing Board is the decision-making body of ERIA consisting of the Secretary-General of ASEAN and representatives from each of ERIA's 16 member countries. It was the first meeting for two new Governors: Brunei Darussalam and Indonesia. In his Opening Remarks, Prof Hidetoshi Nishimura, President of ERIA, highlighted the conflict between Russia and Ukraine, which has caused a surge in resource and energy prices. He also noted that ERIA is supporting the Cambodian ASEAN Chairmanship and Indonesia's G20 Presidency this year.

Dr Teguh Dartanto, Dean of the Faculty of Economics and Business of the University of Indonesia, expressed his appreciation for ERIA's support of Indonesia's G20 Presidency and expected that ERIA would continue its support to Indonesia for its Chairmanship of ASEAN in 2023. Dr Alan Bollard, Professor of Practice at the Victoria Business School, congratulated ERIA for the excellent work programmes it was able to sustain during the past turbulent year. Dr Cielito F Habito, the Chairperson of the Governing Board, noted that not even a world-paralysing pandemic can stop ERIA from providing essential knowledge to our region and to the world.

During his welcoming remarks, H.E. Dato Paduka Lim Jock Hoi highlighted that despite entering the endemic stage of the COVID-19 pandemic and the start of the implementation of RCEP, optimism in the region has been dampened by pressing current challenges such as inflationary pressure and food and energy insecurity, compounded by a climate crisis and a changing geostrategic political landscape. ERIA's Chief Operating Officer reported ERIA's activities followed by a presentation of the FY2021 Financial Statement and FY2022 Budget Proposal.

These reports were unanimously approved by all the Governing Board members. Prof Kimura highlighted three key points: the rules-based trading regime will be challenged; technologies will expand the scope of globalisation; and ASEAN and East Asia should still believe in globalisation for rapid, innovative, inclusive, and sustainable economic development.

H.E. Ros Seilava thanked ERIA for supporting Cambodia's ASEAN chairmanship and expanding the scope of research and technical assistance. He encouraged ERIA to continue providing support in terms of policy options and capacity building, focusing on effectively implementing the commitments in the free trade agreements, particularly RCEP.



## Natural Gas Crucial as Global Energy Transition Efforts Poised to Intensify

Jakarta, 11 May 2022

Mr Yudo Dwinanda Priaadi, Chair of the G20 Energy Transition Working Group, highlighted the potential for natural gas to act as a reliable clean energy source and a source of power generation. Natural gas is not only a lower-carbon alternative, but it is also easy to store and can provide an 'uninterrupted and flexible energy supply', making it an attractive energy source for developing and developed countries. Gas energy can also aid in the eradication of energy poverty, given that 760 million people globally have inadequate electricity access and 2.5 billion are without clean cooking access.

The combination of natural gas with Carbon, Capture, Utilisation, and Storage (CCUS) technology has shown promising potential in accelerating decarbonisation initiatives. In his keynote speech, Tutuka Ariadji, Director-General of Oil and Gas of Indonesia's MEMR, shared insights concerning Indonesia's mid- and long-term gas demand and supply. Currently, over 60% of national gas production is used to meet domestic demand, and the government is aiming to reach the target of 12 billion cubic feet per day in natural gas production by 2030 and for natural gas to make up a 24% share of its national energy mix by 2050. To realise its energy security and domestic demand goals, the Indonesian government continues to enhance the infrastructure development of gas pipelines and promote research and development. Mr Ariadji extended the government's invitation to investors to participate in the country's gas development, offering the ease of doing business and supporting facilities from regulations, licensing, and fiscal and non-fiscal incentives.

In a keynote speech, H.E. Eng. Mr Mohamed Hamel, Secretary General of the Gas Exporting Countries Forum (GECF), presented information regarding mid- and long-term global natural gas demand and supply. He highlighted the pivotal role that natural gas is expected to play in satisfying world energy needs, while contributing to air quality improvement in cities and to climate change

mitigation. He also highlighted the potential of CCUS, which could make the objective of net-zero emissions a reality, and the need to provide policy support and to facilitate technological deployment and transfer to developing countries. He congratulated ERIA for establishing the Asia CCUS Network and expressed the GECF's readiness to cooperate with this collaborative platform.

Mr Jun Arima, Senior Policy Fellow, ERIA, highlighted the importance of CCUS and Carbon, Capture, and Storage (CCS) technologies for mid- to long-term decarbonisation in ASEAN. However, the conflict in Ukraine and skyrocketing gas prices could discourage coal-to-gas fuel switching. Mr Arima suggests Southeast Asia establish a regional hub to promote regional cooperation and achieve economies of scale to cut down costs for the carbon-abating innovation. Mr Lars Erik Aamot, Director-General of Oil and Gas Department, Ministry of Petroleum and Energy, Norway, shared the European perspective on gas, highlighting the need for gas in the coming decades for emissions. The event also featured a panel discussion and a question and answer session moderated by Mr Shigeru Kimura, Special Advisor on Energy Affairs, ERIA.

ERIA and the Ministry of Energy and Mineral Resources (MEMR), Directorate General of Oil and Gas, Republic of Indonesia co-hosted the G20 Side Event Series entitled 'Escalating the Role of Gas in Energy Transition' on 11 May 2022 to discuss how natural gas can abate carbon emissions and serve as a more stable future energy supply. Mr Kimura closed the panel discussion session by encouraging upstream investments and expanding renewable energy sources beyond gas. Mr Hachiyama suggested forging international cooperation to enable developing countries to boost gas consumption for power generation. He also underscored the importance of new investment in upstream gas and preparing to deploy CCUS to significantly reduce greenhouse gas emissions.



## Experts Meet Ahead of G20 High-Level Policy Dialogue on Trade, Investment, Industry

Jakarta, 27 April 2022

The High-level Policy Dialogue on Trade, Investment, and Industry Working Group (TII-WG) was organised by the Economic Research Institute for ASEAN and East Asia (ERIA) and the International Energy Agency (IEA) and was a side event of the Group of Twenty (G20) meeting in mid-July 2022. At the April meeting, ERIA's Lead Advisor on Southeast Asia Dr Lili Yan Ing reaffirmed ERIA's commitment to supporting the dialogue. Indonesia's G20 expert team, led by Dr Ing and Prof Rodrik, will discuss economic recovery, digital transformation, and sustainable development at the dialogue. The second G20 TII-WG meeting will tackle three priority issues: World Trade Organization reform, the response to the COVID-19 pandemic and global health architecture, and sustainable investment for economic recovery.

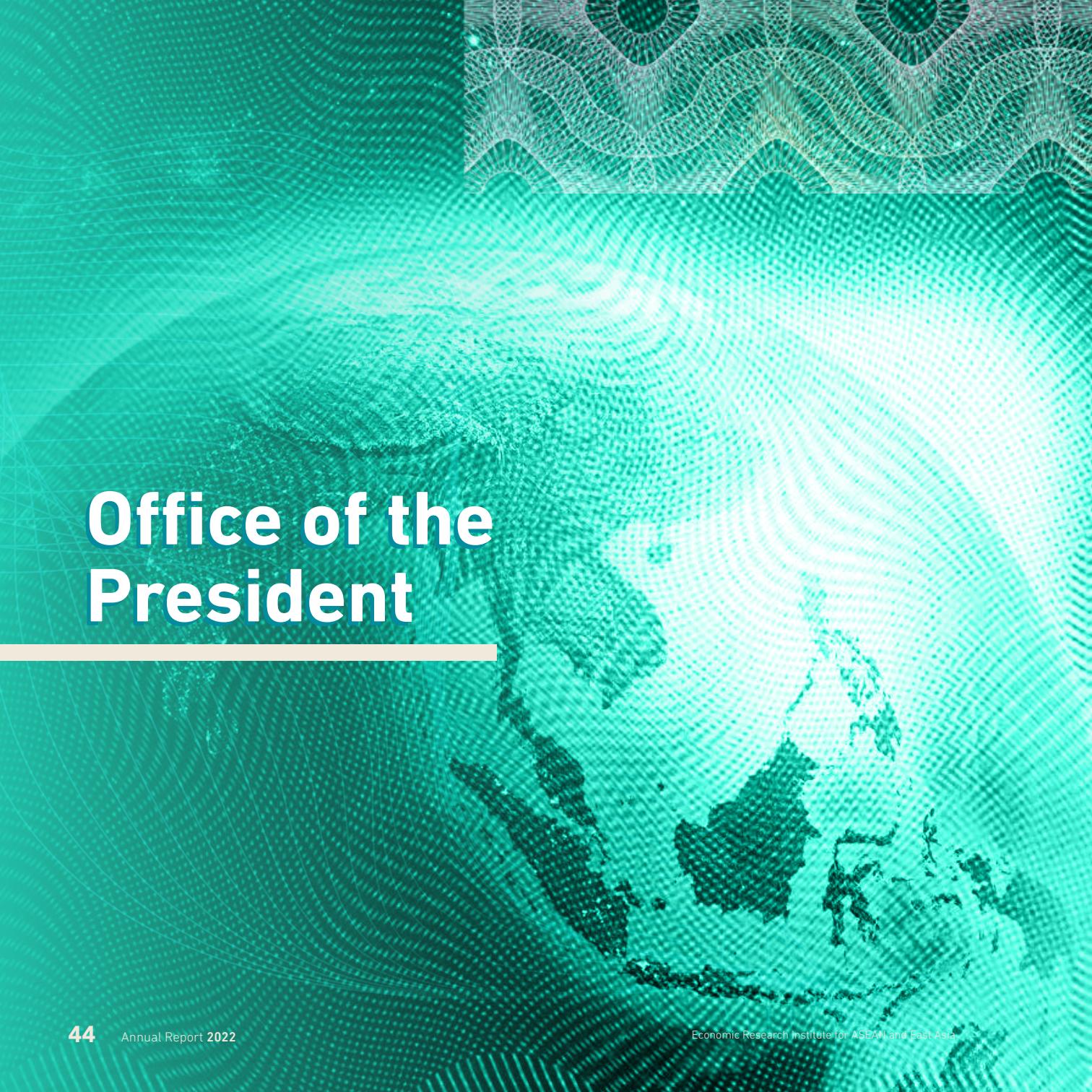


## ERIA Holds 14th Academic Advisory Council (AAC) Meeting

Jakarta, 21 April 2022

The 14th Academic Advisory Council (AAC) meeting held on 21 April 2022 was conducted virtually due to travel restrictions caused by the COVID-19 pandemic. The meeting was attended by internationally renowned scholars and experts from universities, research institutions, the private sector, international organisations, and non-governmental organisations. Topics discussed included the Russian Federation's invasion of Ukraine, Cambodia's chairmanship of ASEAN, and energy transition affordability. ERIA President Hidetoshi Nishimura called attention to the current economic sanctions imposed on the Russian Federation, which has led to changes in supply chains and uncertainties in the ASEAN region. ERIA has been preparing the Comprehensive Asia Development Plan 3.0 as a key deliverable for this year's ASEAN and East Asia Summit (EAS).

ERIA has signed a memorandum of understanding (MoU) with Cambodia's minister of education, youth, and sports in support of the ASEAN Social and Cultural Community, and is committed to Indonesia's G20 presidency. ERIA's Chief Economist Prof Fukunari Kimura emphasised the importance of international division of labour, international trade, and globalising forces for effective economic development. On energy, ERIA's Senior Policy Fellow for Energy and Environment Prof Arima reported that the cost of switching from coal to natural gas is being estimated in many ASEAN countries, and that energy transition affordability will become significantly more crucial. ERIA's Senior Communications Advisor Mr Kavi Chongkittavorn provided an update of ASEAN's vision beyond 2025 to 2035, and participants discussed bridging the development gap and how ASEAN could maintain sustainable development.



# Office of the President

## Office of the President

FY2022 witnessed the peaking of the global health crisis, prompting adjustments in trade and economic linkages in ASEAN and East Asia and amongst ASEAN's Dialogue Partners. With the opening of borders and restored movement of goods and people, almost all countries undertook recovery and rebuilding plans. ERIA pursued policy research to help governments understand the effects of the COVID-19 pandemic on supply chain resiliency and trade integration within the region and across continents. In FY2022, stakeholders from within and outside the region faced concerns over the recovery of demand in major markets, the resilience of supply chains from Asia, the growing impact of strategic relations on trade policies, and seeking pathways for rebuilding and recovery through international cooperation. ERIA responded to these concerns through increased research inputs to ministerial meetings and official proceedings in EAS member countries, joint studies with multilateral organisations and think tanks, and preparing concrete plans for greater economic connectivity in Asia and the Indo-Pacific. Policy relations activities covered the traditional areas of trade and economic cooperation as well as issues that constitute new frontiers of global value chains (GVCs), investments, connectivity and new supply chains, and infrastructure development. The bilateral and regional interests of ASEAN partners such as the European Union (EU), the United Kingdom (UK), and the United States (US) – and a multilateral agenda for development through forums such as the Group of Twenty (G20), the OECD, and the Asia–Europe Meeting – were of special concern in 2022. The agenda for recovery and rebuilding was a common element of all the policy relations activities. Rigorous data are still

being released, and ERIA provided research and topical policy recommendations on pandemic-related trade and investment activities, including research on connectivity during the pandemic and the performance of supply chains in the region. Demand for policy research to understand and mitigate the shocks to economic linkages and trade and investment – and their effect on regional value chains, investments, and drivers of growth in the post-COVID-19 era – continued in 2022, with additional demand for studying patterns of investment in GVCs in the wake of the Ukraine crisis and new developments in the ongoing US–China trade tensions. Stakeholders are seeking pathways to rebuild and recover through international cooperation. The bilateral and regional interests of ASEAN's partners (e.g. India, the EU, the US, Canada, and the UK) in the emerging economic architecture of the Indo-Pacific continue to grow through official plans of engagement with regional institutions and supply chains. Simultaneously, the ASEAN region was in focus in 2022 with Indonesia as the chair of the G20 and Cambodia leading ASEAN towards recovery and rebuilding of economies. The world looked to this region for leadership in inclusive and sustainable economic recovery and rebuilding. ERIA's research and policy briefs captured the economic and developmental elements of resilience and vulnerabilities in ASEAN and East Asia's growth narrative.

In response to these developments and demands, the Policy Relations Office (PRO) led studies, policy briefs, and other policy engagement activities.

## A. Research for EAS Members and Dialogue Partners

The PRO supports several policy and research initiatives of EAS member countries and dialogue partners. The support activities for ASEAN, the EAS, and dialogue partners were marked by important features. The COVID-19 pandemic has reinforced the need for more equitable distribution of infrastructure and capacities, and investment in new centres of production, supply chains, and consumer/supplier clients. Stakeholders sought pathways to rebuild and recover through international cooperation.

In response to these overarching themes, the PRO's work contributed to governments' efforts on connectivity plans, sustainable supply chains, and multilateral processes that underwrite regional and global economic cooperation. On the supply side, the PRO has led a study on the emerging economic architecture and supply chain linkages amongst countries and subregions in the Indo-Pacific. Besides the infrastructure connectivity plans and trade and investment facilitation frameworks, the study explains the policy formations and practical nature of emergent supply chains in the region. This research focuses on the Pacific as a new but integral part of regional connectivity and value chains. Digital trade, human resources mobilisation, and development cooperation are included in the study as important verticals of the economic architecture. The role of government in the new economic linkages – such as the Australia–Japan–India Supply Chain Initiative, Australia–Japan–US Trilateral Security Dialogue, Quadrilateral Security Dialogue (the Quad), India–Myanmar–Thailand Trilateral Highway, Asia–Africa Growth Corridor, Master Plan on ASEAN Connectivity 2025, and ASEAN Comprehensive Recovery Framework – are focal points of analysis. The study will bring out policy certainty from governments, especially

for joint partnerships and bilateral or trilateral cooperation for connectivity and supply chains, investments and infrastructure development, and governance of and participation in the new digital economy.

On the demand side, the PRO conducted a study titled 'The COVID-19 Pandemic: Impact on ASEAN Connectivity and Recovery Strategies'. The study was conducted for the OECD and Japan's Ministry of Foreign Affairs and was presented at the OECD SEARP Ministerial Meeting held in Hanoi, Viet Nam on 18 November 2022.

A policy brief titled 'Planning and Investment in Efficient and Inclusive Infrastructure and Supply Chains in Post-COVID-19 Recovery' was written for the T20 Task Force 8 on Inclusive, Resilient, and Greener Infrastructure Investment and Financing. Another policy brief titled 'Towards Indian G20 Presidency – Exploring New Development Paradigms and Growth Strategies: Partnerships in Times of Transition and Contestations' was written for the Delhi Process VI on South–South Cooperation organised by the Research and Information System for Developing Countries (RIS), India.

## B. Support to Host Country Indonesia for the G20

With the G20 Presidency of Indonesia in 2022, the focus of policy relations was on providing support towards the activities of the T20 and ministerial meetings. The G20 Research Forum was set up during the Indonesian Presidency to fulfil this mandate, and will continue throughout the presidencies of India, South Africa, and Brazil. The G20 Research Forum will support the ministerial meetings and the Sherpa Track, and serve as the repository of actions taken on the G20 leaders' statements regarding the developmental agenda. ERIA, the Institute for Economic and

Social Research at Universitas Indonesia (LPEM-FEB UI), and RIS will form the Research Forum initially; and prepare their institutions for the two upcoming G20 summits. The forum will also induct important members such as the OECD, South African Institute of International Affairs, Japan International Cooperation Agency, and Asian Development Bank (ADB), which have provided contributions to many to G20 meetings and activities.

The PRO is also an early contributor to India's G20 Presidency in 2023, for policy inputs to the issue notes and ministerial statements of the Agriculture Working Group and the Trade and Investment Working Group.

### C. Collaboration with Multilateral Organisations

#### *Organisation for Economic Co-operation and Development*

The PRO supported the OECD in its preparatory works for the G20 in trade and agriculture matters, through its collaboration with and participation in the meetings of the Trade and Agriculture Directorate. The PRO supported the Global Relations Directorate of the OECD and conducted the above-mentioned study titled 'The COVID-19 Pandemic: Impact on ASEAN Connectivity and Recovery Strategies'. The study was conducted for the OECD and Japan's Ministry of Foreign Affairs and was presented by the President of ERIA at the OECD SEARP Ministerial Meeting held in Hanoi, Viet Nam on 18 November 2022. ERIA continues to support and attend the SEARP.

The work of the OECD Development Centre was supported through collaboration in its programme for Transforming Asian Economies. The PRO contributed to the Economic Outlook for Southeast Asia, China and India through policy inputs at the 10th OECD-ASEAN +3 Macroeconomic Research Office (AMRO)-ADB/ADB Institute (ADBI)-ERIA Asian Regional Roundtable on

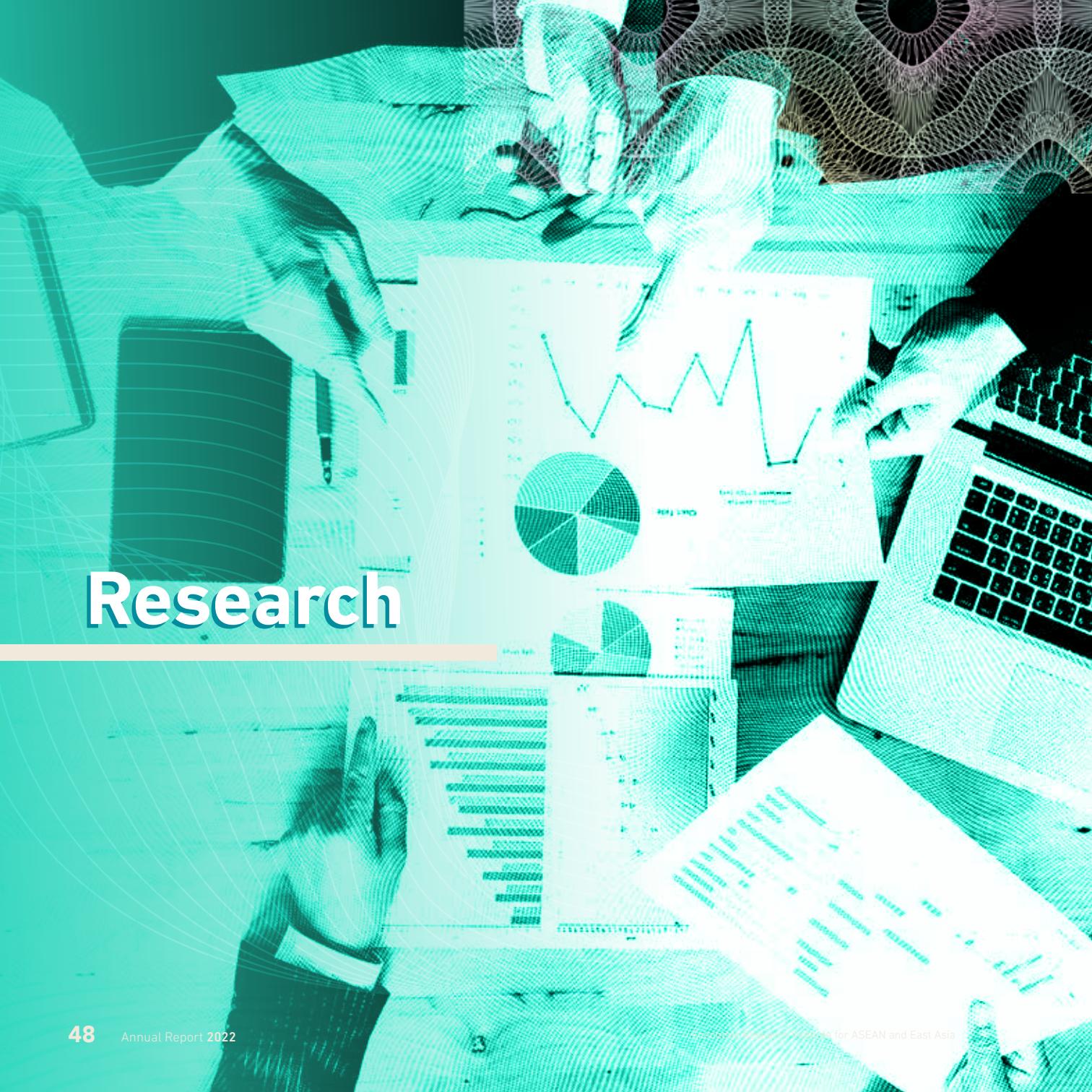
Macroeconomic and Structural Policies. A memorandum of understanding between ERIA and the OECD covers continued cooperation for the next 5 years.

#### *World Bank*

The World Bank is replacing its Ease of Doing Business index with a Business Enabling Environment (BEE) index. The purpose is to advocate policy reform and to provide economic research and specific policy advice. The PRO was invited by the World Bank to contribute to the concept note and indicators for the international trade section of the index. ERIA continued to provide support in finalising the BEE index during 2022.

### D. Support to Stakeholders

The PRO participated in several workshops and symposia in Australia, Belgium, Cambodia, China, Germany, India, France, and Singapore – bringing stakeholders in Asia and Europe, and the partners of ASEAN and East Asia closer through the dissemination of East Asian economic cooperation experience and by demonstrating the value of free trade and economic cooperation. It has written extensively in several regional newspapers and online platforms on the issues of connectivity, GVCs, and sustainable financing and development issues in East Asia. It is expected that such advocacy and research dissemination activities will support policymaking on trade and economic cooperation amongst stakeholders, and contribute to the recovery and rebuilding of economies in the post-COVID-19 period and rise to the new challenges coming from the Ukraine crisis and the trade tensions between the US and China.



# Research

# Deepening Economic Integration

## 1. Regional Comprehensive Economic Partnership (RCEP) Phase 2: Understanding the Opportunities and Challenges

This research is designed to have three key elements with respect to topics on the Regional Comprehensive Economic Partnership (RCEP): (i) analytics, (ii) a database, and (iii) monitoring measures/study. The first element discusses key economic issues on and related to the implementation of the agreement. This was started in phase 1 and will be continued in phase 2. It is important to state that the monitoring element is built into the idea that the Economic Research Institute for ASEAN and East Asia (ERIA) will be one of the key institutions regularly monitoring the implementation of the RCEP, consistent with the mandate given to the institute as the think tank for the East Asia Summit (EAS) process. The second element was also started in phase 1, especially with the creation of the Asian Development Bank (ADB)–ERIA RCEP Services Commitment Database. Information from this database was used by a paper on services in phase 1 of the project. Another database that the project would like to use is the database on the RCEP's rules of origin, which is also the basis of a paper in the phase 1 project. The third element has not yet started, although preparatory work is being undertaken by defining the measures relevant for monitoring purposes. This activity will increase over time, along with more intensive application of the commitments in the RCEP. Finally, the project is clearly relevant for the Association of Southeast Asian Nations (ASEAN) and EAS process.

Recent research conducted by ERIA on RCEP details the structure of RCEP in terms of the complexity of its commitments, modalities, and mechanisms. It also explores RCEP's potential

implications regarding the integration process in the region and how key features can strengthen domestic and regional integration. The impact of businesses, behind-the-border issues, and domestic capacities of RCEP member countries are also discussed, in addition to potential benefits of the agreement. Finally, it addresses emerging issues, especially with respect to COVID-19 pandemic recovery.

A high-level forum was held to celebrate the 10th Anniversary of RCEP initiation and handover two ERIA books (RCEP Phase 1 and Phase 2) to the Prime Minister of Cambodia in November 2022. The opening ceremony was presided over by His Excellency HUN Sen, who delivered the keynote speech and recommendations for the effective implementation of the RCEP Agreement. The forum included a high-level panel, stakeholders' panel, and session during which key chapters of the RCEP Agreement will be discussed.

As a result, ERIA published [Dynamism of East Asia and Regional Comprehensive Economic Partnership \(RCEP\): The Framework for Regional Integration](#), which addresses selected questions regarding trade in goods, trade in services, investment, and economic cooperation. Although these are more technical in nature, it is important for both the private and public sectors to understand RCEP's position vis-à-vis other agreements, including the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP). Chapters highlight key policy issues to increase the impact of a regional free trade agreement, such as RCEP, on domestic and regional integration.

## 2. Accelerating Digital Transformation in ASEAN and East Asia

The study follows two main tracks: a tech track that focuses on technology adoption and a policy track that focuses on digital strategy and policy adopted by Asian countries. The tech track focuses on new information and communication technology and business models such as (i) artificial intelligence and machine learning, (ii) big data and cloud computing, (iii) Internet of Things, (iv) financial technology or fintech, (v) blockchains, (vi) social media, and (vii) servicification. Studies on each subject will include consideration of data flow, technology transfer, privacy protection, consumer protection, cybersecurity and intellectual property rights, and other related issues, particularly human skills development. The policy track monitors and accesses the policy effort to promote digital transformation in the region. The track will build a framework of policy analysis based on the policy checklists developed by the Organisation for Economic Co-operation and Development and the United Nations Conference on Trade and Development and the monitoring system used by the European Union, and then apply the framework to examine the digital strategies and policy plans of Asian countries.

### Policy Implications:

1. Policy instruments to overcome the barriers to using new technology and unlock its potential either nationally or regionally or both.
2. Actions to solve problems that may occur in digital transformation, and risk management to avoid failure that may come from directionality, demand articulation, policy coordination, or reflexivity.
3. A preliminary framework or a prototype of monitoring system on digital transformation in ASEAN and East Asia.
4. Market demands and policy response regarding human skills development for digitalisation, especially for developing economies in the region.

The current volume, covering one of the largest populations in ASEAN countries: Indonesia. The book [Accelerating Digital Transformation in Indonesia: Technology, Market, and Policy](#) published in January 2023. The book provides policy recommendations, from a country perspective, on how to accelerate the pace of digital transformation with a balance between efficiency and inclusiveness, and in the long term, how to synchronise the interaction amongst digitalisation, competition, innovation, and human development in Asian development.

As the first volume of an ERIA series on Accelerating Digital Transformation in Asia, the ERIA research project shares in-depth understanding of the Association of Southeast Asian Nations (ASEAN) Member States' advantages and disadvantages, as well as those of the region, to help ease ASEAN through the digital transformation and fully unleash its development potential in the digital era. This volume provides insights on the progress of digital transformation in Indonesia, as well as policy recommendations on (i) how to accelerate the pace of this transformation, considering both efficiency and inclusiveness; and (ii) in the long term, how digitalisation, competition, innovation, and human development interact.



### 3. Regional Integration in Indo-Pacific: Connectivity, Cooperation, and New Supply Chain Linkages

In 2017, when ERIA developed the ASEAN Vision 2040, it was agreed that Asia-Pacific could not sufficiently represent current economic linkages in East Asia. Still, Indo-Pacific was not acceptable to many writers, as they believed it to represent security connotations, primarily led by the United States (US). The ASEAN Vision 2040 settled for the Indo-Asia-Pacific construct instead. However, in 2018, Japan's Prime Minister Shinzo Abe's speech at the UN's General Assembly changed the focus of economic linkages and cooperation in the region. Free and Open Indo-Pacific was emphasised as the platform of all economic cooperation and connectivity in the region and between Asia-Africa and Asia-Europe.

The study was published as [ERIA Research Project Report no. 19](#) in March 2023, under the same title, and was edited by Ms Anita Prakash.

The evolving economic architecture in the Indo-Pacific rests squarely on the post-war construct of the Asia-Pacific, which is undergoing changes in the established patterns of economic integration and supply chain linkages. The Indo-Pacific faces opportunities and challenges in the new policy alignments around trade, Global Value Chain integration, and economic cooperation. The *raison d'être* of building a new construct lies in the re-evaluation of the existing trade and investment linkages – in Asia, between Asia and the Pacific, between Asia and Europe, and between Asia and Africa – and in the re-calibration of these linkages, along with economic and technical cooperation

activities, to reflect the emergent economic and strategic alignments amongst countries and regions, including the Pacific Island states. This study traces the stages of economic growth in Asia-Pacific and the convening of regional platforms such as the Association of Southeast Asian Nations (ASEAN), Asia Pacific Economic Cooperation (APEC), ASEAN+3, and East Asia Summit to aid the regional economic integration. The emergence of the Indo-Pacific construct is explained by evaluating the strategic importance of regional value chains and the global competitiveness for dominating the new technologies that influence both the existing and new centres for the production and consumption of goods and services. The economic construct is specifically explained along the important verticals of connectivity infrastructure for supply chains; role of ASEAN in the new architecture; GVC Integration amongst major partners of Indo-Pacific; cooperation for digital economy; human resources capacities and movement of people; the Pacific Islands in an inclusive Indo-Pacific; and development and cooperation. Indo-Pacific has high stakes in the new supply chain-led connectivity projects. Restructuring, understanding, and preparing for a connected Indo-Pacific will ensure stable and inclusive growth in the region.

The degree of economic integration, through GVCs, of Indo-Pacific countries including ASEAN, is the bedrock of Indo-Pacific economic architecture. An Indo-Pacific trade and economic cooperation plan must consider China and face the inevitability of supply chain integration between ASEAN and China, and the European Union (EU) and China, amongst others. The question before policymakers is whether the new economic architecture – the Indo-Pacific – can be developed in a highly trade-integrated Asia; even when the strategic cooperation amongst Indo-Pacific members mostly excludes China from their deliberations and dialogues.

This study shows that the Indo-Pacific economic architecture is linked to restoring multilateralism that recognises diversity yet leaves no one behind. It explains the building blocks of the new economic architecture in the Indo-Pacific that are already in operation, with the caveat that there are several opportunities, some certainties of success, and a few unknown gaps that will shape progress towards the future.

#### 4. Study on the Regional Comprehensive Economic Partnership (RCEP) from International Relations Perspectives

Bilateral free trade agreements (FTAs) in ASEAN and the East Asia region began in the early 2000s and have been developing over the last 2 decades whilst multilateral and large-scale or mega FTAs were promoted in the late 2000s and the 2010s. One result of the regional economic integration process was the Regional Comprehensive Economic Partnership (RCEP), a mega FTA signed on 15 November 2020 amongst ASEAN Member States, Australia, China, Japan, the Republic of Korea, and New Zealand. Why was the RCEP concept proposed? How was it negotiated? What are the characteristics of this mega regional economic integration initiative? The project tries to understand these questions by adopting a holistic approach that analyses the history and negotiation process of RCEP to obtain lessons for policymakers dealing with future regional economic agreements. The project will also analyse the relationship with other mega-regional FTAs, particularly the Trans-Pacific Partnership, concerning promoting (or suppressing) the RCEP negotiations. The project will cover the following themes: history of RCEP, ERIA's role for RCEP, RCEP with regards to the ASEAN community building and ASEAN centrality, RCEP and ASEAN dialogue partners, impact of RCEP on the other regions, future of RCEP, and expectations of RCEP.

The nine ERIA Discussion Papers (DPs) - published from August to October 2022 - study the influences of the Regional Comprehensive Economic Partnership (RCEP) in the East Asia region and the rest of the world from the perspective of international relations. The DPs include the perspectives from ASEAN, Australia, China, Japan, European Union, and the United States. The DPs contribute not only to deepening our understanding of the issue for the researchers and students but also to the formulation of economic policy by policymakers.

The DPs analyse RCEP and its negotiation process from the viewpoint of each RCEP participating country and the rest of the world. Important lessons from our analysis include how

these participating countries maintain the ASEAN centrality throughout the negotiation process and consider the positive effects of the East Asian regional economic integrations. Several DPs also illustrate the dynamism of the regional architecture in East Asia concerning other regional movements, including the Trans-Pacific Partnership (TPP), Comprehensive and Progressive TPP (CPTPP), Belt and Road Initiative, and the newly launched Indo-Pacific Economic Framework (IPEF). The editors emphasise the importance of our study when anti-globalisation sentiment intensifies, and inward-oriented protectionist policies are increasing in many parts of the world. Regional Comprehensive Economic Partnership: Economic Backgrounds of ASEAN and Its Dialogue Partners:

# Narrowing Development Gaps

## 1. The Comprehensive Asia Development Plan 3.0 (CADP 3.0)

ERIA published the Comprehensive Asia Development Plan (CADP) 1.0 in 2010, CADP 2.0 in 2015, and CADP 3.0 in 2022. Connectivity and infrastructure development remain important issues to realise a 'competitive, innovative, and dynamic ASEAN' as outlined in the ASEAN Economic Community Blueprint 2025. Recent years have witnessed a radical change in information and communication technology (ICT). The digitalisation of economy based on ICT has changed the conceptual framework of 'unbundling' as advocated by Richard Baldwin in *The Great Convergence: Information Technology and the New Globalization*. He argued that the 'third unbundling' has emerged following the 'second unbundling', which started in the 1980s. Further advancement in ICT is making a qualitative breakthrough by reducing face-to-face costs and unbundling 'tasks' in different locations. This technological change has created many opportunities for new businesses in ASEAN and East Asia, such as e-commerce (B-to-B and B-to-C) by platform firms. As a result, we are required to reformulate our development strategies to include leapfrog and feedback strategies as well as the existing step-by-step strategy. CADP 2.0 was built on the idea of fragmentation theory and production networks.

The coronavirus disease (COVID-19) pandemic subsequently caused trade disruptions; a drop in foreign direct investment; and scarring effects on poverty, education, and women in many nations. However, it has also had beneficial features. Factory Asia has continued to produce and export during the pandemic, in contrast with North America and Europe. COVID-19 has boosted digitalisation, notably in information and communication technology (ICT). The adoption of ICT has boosted economic growth. Maintaining the competitiveness of international production networks and utilising digitalisation are essential to the region's future post-COVID-19.

Based on this understanding, ERIA developed the Comprehensive Asia Development Plan 3.0 (CADP 3.0): *Towards an Integrated, Innovative, Inclusive, and Sustainable Economy*, which was published in September 2022. CADP 3.0 addresses the above-mentioned urgent concerns and discusses economic growth and social problem-solving in the region from the viewpoints of (i) integration, (ii) innovation, (iii) inclusiveness, and (iv) sustainability. CADP 3.0 comprises 18 original chapters on the four viewpoints and digitalisation.

First, CADP 3.0 claims that integration is at the core of development strategies. The Association of Southeast Asian Nations (ASEAN) and developing East Asia could use three forms of the international division of labour (the first to the third unbundlings) simultaneously. To stimulate economic growth, the region should adhere to globalisation. Second, CADP 3.0 asserts that digital technology has transformed the nature of innovation. ASEAN and East Asia must move from intensive research and development (R&D) to technology deployment.

Combining incremental and disruptive innovation could revive creative manufacturing. Third, CADP 3.0 declares that inclusiveness in its three dimensions – geographical, industrial, and social – is a core value for ASEAN and East Asia. Before resorting to income/welfare redistribution, the region should employ economic forces to achieve inclusiveness wherever

practicable. Last, CADP 3.0 affirms that sustainability must be realised through economic expansion and improved well-being. Decarbonisation, resource management, and disaster management are not just long-term objectives but also present challenges. The use of new technology will facilitate international cooperation in establishing a circular economy.



## 2. Artificial Intelligent: Trade, Growth, and Employment

Artificial intelligence (AI) has changed not only the working environment but also daily life. AI will change economic theories, world trade, and soon, economic systems. The interface amongst AI and factors of production will result in a shared language of utility, probability, revealed preferences, predictable objectives, and identified budget constraints. Things never experienced in human societies will soon emerge in combined human–AI societies. There are at least two reasons why the use of AI will be significant: first, AI can reduce costs significantly; and second, AI can help markets work more efficiently. The use of AI as predictors has changed economic theories and world trade. The faster diffusion of information and communication technology and related developments in the Internet of Things could strengthen the current structure of global value chains. But greater digitalisation in smart factories and advanced robotics might reduce the importance of low labour costs in determining comparative advantage, laying greater emphasis on skills, complementary services, and other aspects of firm ecosystems. The Economic Research Institute for ASEAN and East Asia will conduct a study on *AI/Robots: Labour, Trade, Growth and Welfare*, which will be contained in a book of 10 chapters.

### Policy Implications:

1. A better understanding on how the invention of AI and robots will affect demand for labour, trade, growth, and welfare.
2. Evidence-based policy directions on how AI and robots eventually affect resource allocation.

This study was published in the ERIA-Routledge series in June 2022 with as its title: *Robots and AI: A New Economic Era*, edited by Lili Yan Ing and Gene M. Grossman.

Robots and artificial intelligence (AI) are powerful forces that will likely have large impacts on the size, direction, and composition of international trade flows. This book discusses how industrial robots, automation, and AI affect international growth, trade, productivity, employment, wages, and welfare. The book explains new approaches on how robots and artificial intelligence affect the world economy by presenting detailed theoretical framework and country-specific as well as firm-product level-specific exercises.

This book will be a useful reference for those researching on robots, automation, AI and their economic impacts on trade, industry, and employment.

## 3. An Agent of Care Technology Transfer: Trends and Challenges of Migration of Care Workers Across Borders

Circulation of the long-term care workforce is one of the most important agendas of the Asia Health and Wellbeing Initiative. It was launched by Japan to promote regional cooperation to create vibrant and healthy societies where people can enjoy long and productive lives. Japan has opened its labour market for healthcare industries under bilateral economic partnership agreements to accelerate Japan's trade with Indonesia, the Philippines, and Viet Nam. Since Japan's signing of the agreement with Indonesia in 2008, with the Philippines in 2009, and with Viet Nam in 2014, Japan has accepted thousands of nurses and care workers from these countries. Of these, approximately 400 nurses and 1,000 care workers have passed the national exam for nursing care workers to become full licensees in Japan and thus may stay and work without restrictions. Those who fail the exam must return to their home countries.

In recent years, the Japanese government has created several new programmes to accept foreign care workers. To make these programmes mutually beneficial to Japan and the sending countries, it is crucial to discuss how such crossborder care workers can be utilised in their home countries. However, as the authors have learnt from the experiences of Economic Partnership Agreement programme returnees, care workers have no career path in their home countries. A well-organised career recognition system for care workers is required if countries are to maximise the knowledge and skills that returned care workers bring. This will also improve the social and economic status of care workers in many Asian countries who have a crucial role in creating societies where people can enjoy active, healthy, and productive ageing. The project aims to develop a training programme for oral care and swallowing function rehabilitation, which can be used for pre-departure training of potential cross-border care workers. The study also aims to contribute to the education of healthcare workers in the sending countries, where rapid population ageing is taking place.

Policy Implications:

1. Provide an example of effective circulation of care workers and contribute to the standardisation of care skills.
2. Provide suggestions for labour-market policymaking for long-term care in the region.

The study was published as [ERIA Research Project Report no. 6](#) in August 2022 together with Nagasaki University, edited by Yuko O. Hirano and Osuke Komazawa.

The report is to show the models of promoting the transfer of knowledge and skills of Long-term care (LTC) from the destination countries (Japan) to the sending countries (Indonesia) of care workers. Containing both original/secondary, and quantitative/qualitative data, this report was written by research members of diverse disciplines. The report comprises five chapters. Chapter 1 compares the definition of 'care' or LTC between Japan and Indonesia. Chapter 2 analyses the policies of the Japanese government on migrant care workers who engage in LTC. Chapter 3 assesses the policy of recruiting migrant care workers through a cost analysis. Chapter 4 assesses the role of returnees by focusing on Vietnamese EPA care workers who have already returned to their home country. In Chapter 5 an oral care check list, based on the anatomical and physiological functions in preventing aspiration, is developed, which is used to compare the degree of implementation of the care by Indonesian care workers in Japan and in Indonesia.

#### 4. Health and Long-term Care Information in Ageing Asia

The 2018 ERIA research project, Demand and Supply of Long-term Care for the Older Persons in Asia, conducted by the same research team of this study, clarified the situation of long-term care demand and supply in East Asia and Southeast Asia using mainly population census data for international comparison. Based on the research, this new project has been conducted with a wider scope of target countries stretching across all areas of Asia, including India, Iran, Sri Lanka, and other countries

in South-Central and Western Asia, to see if the experience of East Asia and Southeast Asia is relevant to countries in Asia in general. This study focuses on tracking cause-of-death statistics as they are crucial in monitoring health and important in calculating Sustainable Development Goal (SDG) indicators. However, cause-of-death statistics in Asia are often insufficient. Even amongst registered deaths, causes of death are not properly stated and compiled. The project was conducted to find solutions by listing and comparing health statistics systems of target countries. According to widely accepted epidemiological transition theory, causes of death should shift from communicable to non-communicable diseases as society develops. In 2019, data showed that ASEAN+3 were already post-transition countries in contrast with many low-income countries in other regions, especially Africa, where most deaths were caused by communicable, maternal, perinatal, and nutritional conditions. It means that the burden of non-communicable diseases is increasing in ASEAN and other Asian countries. Meanwhile, communicable diseases have not been eradicated even in high-income countries. In 2019, a large percentage of communicable diseases was attributed to respiratory infections, including pneumonia, one of the significant causes of death of older persons. In addition, the COVID-19 pandemic started in 2020, raising the number of deaths caused by communicable diseases. Death registration and statistical procedures are inherent to each country, and it is essential to know the original data collected by the country authority. The paper is expected to offer baseline knowledge to tackle these challenges.

The study was published as [ERIA Research Project Report no. 7](#) in September 2022, edited by Reiko Hayashi and Osuke Komazawa.

Global ageing is continuing. Not only the proportion of older persons, but also the absolute numbers of older persons in emerging countries, have been increasing more rapidly than in high-income countries in the past. This report identifies what information is needed to assess health and long-term care in ageing Asia in three parts. In part A, cause of death statistics in ASEAN+3 countries are examined. While several countries are capable of registering all deaths with causes of death, some are collecting information using sample surveys, and countries without registered based vital statistics are now implementing new technologies of civil registration. Part B is an updated analysis of demand and supply of long-term care in Asia, from the research conducted by the same authors (ERIA Research Project Report 2018, No.08). South-Central and West Asian countries, where female labour participation is different from East and Southeast Asia, are included in the analysis. In Part C, the Vietnamese register-based population data is analysed as an example of a potential data source. Each country in Asia is facing its own challenges in getting better population health information, and regional cooperation is crucial for making progress.

# Sustainable Development

## 1. Indonesia's G20 Presidency: 'G20: New Normal, New Technologies, New Financing'

On 30 October 2021, Indonesia officially assumed the Group of Twenty (G20) Presidency for 2022. The presidency contributed significantly to global development, which is still recovering from the health and economic crises brought about by the coronavirus disease (COVID-19) pandemic. For its 2022 G20 leadership role, Indonesia adopted the 'Recover Together, Recover Stronger' theme. Indonesia also committed to lead discussions that result in concrete actions to achieve inclusive, people-centred, environment-friendly, and sustainable growth globally. The 2022 G20 Presidency was a great opportunity for Indonesia as a developing economy to (i) represent the concerns and voices of developing economies regarding the post-COVID-19 pandemic recovery strategy, (ii) rebalance economic power, and (iii) give importance to inclusive growth.

The book titled New Normal, New Technologies, New Financing, published in June 2022, provides policy notes and presentations related to economic recovery, digital transformation, and inclusive growth and sustainable development.

While the coronavirus disease (COVID-19) seems to be behind us now, the scarring effects on employment, poverty, and education will last forever. Women, youth, and less educated groups of the population have been disproportionately affected. Moreover, the current war in Ukraine and rising global tensions have placed additional pressures on the world economy. The fact that now

countries, particularly low- and middle-income countries, have limited fiscal space means the rising geopolitical tensions have widened inequality and worsened the recovery process. The G20 could be an effective international forum to foster a coordinated global response to establish and deliver commitments for resilient, sustainable, and inclusive growth. This book consists of three main sections: economic recovery, digital transformation, and sustainable development.

## 2. Assessing the Impacts of COVID-19: Regional Policies and Practices for Green Recovery

Experts largely agree that the challenge of achieving climate goals and resource efficiency targets, such as those set forth in the Paris Agreement, will be nearly impossible to achieve without pursuing all options, including adoption of the disruptive digital technologies to manage greenhouse gas (GHG) emissions and bring resource efficiency. The integrated circular low-carbon economy concept builds on the principles of circular economy and applies them to managing GHG emissions: to reduce carbon that must be managed in the first place, to reuse carbon as an input to create feedstocks and fuels, to recycle carbon through the natural carbon cycle with renewable energy, and, unique to circular economy, to remove excess carbon and store it for alternate uses. For the Association of Southeast Asian Nations (ASEAN), the digitally aided circular low-carbon economy is an integrated and inclusive approach to accelerate the transition towards more comprehensive, resilient, and climate friendly

energy and industry systems that support and enable green recovery in the post-pandemic era. This would enable ASEAN Member States (AMS) to take advantage of all emerging disruptive digital technologies, forms of energy, and climate mitigation opportunities and resource-efficiency opportunities according to resource availability, economic costs, and national circumstances. The study is intended to provide an impulse for embracing emerging digital, resource-efficient, and zero-emission technologies in developing and emerging economies of ASEAN and East Asia in support of the implementation of the ASEAN Comprehensive Recovery Framework (ACRF), the consolidated pandemic exit strategy for the region. The objectives of the study are to review the progress made in AMS in the implementation of ACRF strategic priority areas and identify enabling factors and the role of disruptive technologies; to enhance understanding on how a combination of advanced ICTs are being utilised by the private and public sectors to promote the adoption of circular low-carbon approaches; and to provide insights on policy measures in the context of ACRF such as stakeholder engagement and partnerships, financing and resource mobilisation, and institution and governance to address the challenges in scaling up disruptive technologies in support of decarbonisation and circular economy approaches.

#### Policy Implications:

1. A set of policy recommendations to AMS and their dialogue partners to address the challenges in scaling up regional responses to the emerging-to-disrupting digital, resource-efficient, and low-carbon technologies in support of decarbonisation and circular economy.
2. Proposition of a new regional cooperation architecture within the context of ACRF to support, help, and build green economic recovery in the aftermath of the COVID-19 pandemic.

This study was published as a book titled [Assessing the Impacts of COVID-19: Regional Policies and Practices for Green Recovery](#) in June 2022, edited by Venkatachalam Anbumozhi, Kaliappa Kalirajan, and Xianbin Yao.

The COVID-19 pandemic is an unprecedented global health crisis. To contain the disease, governments in ASEAN and East Asia implemented strict lockdowns and curbed mobility, which has stalled economic growth. As the region enters the third year of the crisis, countries have an unprecedented opportunity to use the required state interventions and accompanying stimulus policies to support a green, resilient, and inclusive recovery. Green recovery policies and practices such as investments in renewable energy, resource efficiency, low-carbon transport, and nature-based climate solutions, provide greater socio-economic benefits. This book identifies and analyses the policies and practices that have evolved during the pandemic and their impact on long-term green growth strategy. While the early governmental response to the COVID-19 pandemic had been focused on emergency health responses, in the recovery phase stimulus packages are designed to provide short-term economic gain and enhance the fundamentals of long-term sustainable growth. However, the size of stimulus packages is insufficient to support the environmentally beneficial outcomes that countries are looking for. The book concludes that countries can lay the foundations for long-term sustainability only by implementing economy recovery packages that maximise social objectives in the short term and mitigate climate change impacts in the long term. To ensure green recovery across the region, international cooperation towards implementing large-scale low-carbon energy infrastructure projects and green innovations is an

absolute must, as they offer a win-win solution for most of the developing countries and the large emerging markets of the region.

### 3. Towards International Agreement on Marine Plastic Pollution: The Role of the G20

Marine plastic pollution has become a critical issue on a global scale, with detrimental environmental impacts, including the death of marine species caused by plastic entanglement and ingestion. Southeast Asia is considered the biggest contributor

of marine plastics. A recent study shows that the region (except Lao People's Democratic Republic) disposes into the ocean more than 55% of the world's total output of plastic waste. To address the issue, several international treaties have been enacted. The London Convention, the International Convention for the Prevention of Pollution from Ships (MARPOL), the Convention on the Law of the Sea (UNCLOS), and the Basel Convention are amongst the prominent treaties that address the issue. However, those regulations lack comprehensive discussions on the life cycle of plastics, legally binding agreements, monitoring methods or quantified targets on plastic pollution. Therefore, an international treaty that encompasses all components



related to plastic pollution must be created. Earlier this year, the United Nations Environment Assembly 5.2 adopted, 'End plastic pollution: towards an international legally binding instrument', a resolution seeking to organise an international negotiation committee to develop an international legally binding instrument on plastic pollution. The Group of 20 (G20) has contributed to the resolution of the plastic pollution issue. At the G20 Hamburg Summit in 2017, the G20 Action Plan on Marine Litter was formulated. In June 2019, the G20 Implementation Framework for Actions on Marine Plastic Litter was established at the G20 Ministerial Meeting on Energy Transitions and Global Environment for Sustainable Growth. Maintaining the momentum, the Osaka Blue Ocean Vision was shared with G20

leaders and to other countries. This policy brief investigates the gaps in the existing international treaties on marine plastic pollution and proposes components that need to be considered in a new treaty. These proposals will complement the G20 work on plastic pollution. Furthermore, since the G20 summit will be held in Indonesia in 2022, the focus of this policy brief will not only be relevant to G20 countries but also to Southeast Asia as the biggest contributor of marine plastics.

This T20 Policy Brief was written by Michikazu Kojima, Hendro Putra Johannes, Ellen Putri Edita, Fusanori Iwasaki, R. Andreas Kraemer, and Alin Halimatussadiah. The Brief can be accessed at: <https://www.t20indonesia.org/wp-content/uploads/2022/09/PB-12-Layouted.pdf>

# Energy

## 1. Energy Outlook and Analysis of Energy Saving Potential in the East Asia Region – COVID-19 Impacts on Energy Demand and Energy-Saving Potential in East Asia, 2021

The Association of Southeast Asian Nations (ASEAN) and East Asia faces tremendous challenges in navigating the future energy landscape and in determining how the energy transition will embrace new architectures, including sound policy and technologies, to ensure access to energy that is affordable, secure, and sustainable. The East Asia Summit (EAS) economies have been hit hard by the coronavirus (COVID-19) pandemic, but energy demand growth is expected to bounce back strongly as the economies recover after 2022. All decisions and energy policy measures will need to be weighed against potentially higher energy costs and security risks in the post-COVID-19 era.

Applying East Asia Summit (EAS) energy outlook models to the 17 EAS countries (EAS17), the report analyses COVID-19's impact on industry, transport, and commercial and residential sectors' final energy consumption, focusing on the relationship between economic growth and energy consumption. The negative impacts of COVID-19 – lockdowns, work from home, disruption of industrial supply chains – are reflected in economic growth rates.

The special project report was published as [ERIA Research Project Report](#) in December 2022.

## 2. Decarbonisation of ASEAN Energy Systems Towards Net-Zero Emission Scenarios

ERIA and IEEJ are elaborating long-term net-zero emission scenarios for the energy systems of the 10 ASEAN Member States (AMS). A linear programming model that simulates the cost-optimal deployment of energy technologies under technical constraints is used for that purpose. The model encompasses the total energy system including energy transformation and all end-use energy service demand sectors in AMS. The work comprises of modelling and consultations with each of the AMS' energy ministry.

Policy Implications: The study will provide net-zero emission scenarios that the can use as inputs to develop their long-term energy system plans to achieve their net-zero emission or carbon neutrality pledges.

During the United Nations Climate Change Conference (COP26) in Glasgow, United Kingdom, many countries committed to achieving carbon neutrality by 2050 or 2060. ASEAN countries will find it very challenging to achieve carbon neutrality as: (i) ASEAN countries depend largely on fossil fuels, coal, and gas for power generation and oil for transport; (ii) ASEAN countries will continue to increase energy consumption to catch up economically with OECD countries, and (iii) variable renewable energy such as solar and wind is not suitable for use in ASEAN countries as the ASEAN region has basically two seasons – dry and rainy – and few areas where wind speed is stable. Variable renewable energy will not, therefore, ultimately contribute

to achieving carbon neutrality in the region. To help ASEAN countries achieve carbon neutrality, ERIA, in collaboration with the Institute for Energy Economics, Japan, has been seeking carbon-neutral pathways for ASEAN countries by applying an optimisation approach, i.e. a linear programming model, to choose low- or zero-emission technologies under a carbon dioxide (CO<sub>2</sub>) emission constraint and cost minimisation objective function. Installation of zero-emission energy technologies – hydrogen/ammonia, carbon capture utilisation and storage (CCUS), direct air capture (DAC), and biomass energy with CO<sub>2</sub> capture and storage (CCS) – will show ASEAN countries pathways to achieving carbon neutrality, but they will incur a high marginal abatement cost (MAC) by 2050. Hence, innovation in energy technologies will be essential to lower MAC levels. An estimation of the amount of carbon offset by forests will be another important element in trying to achieve net zero emissions in the ASEAN region.

The results of this project were published as [ERIA Research Project Report no.11](#) in July 2022.

### 3. Revisiting Electricity Market Reforms – Lessons for ASEAN and East Asia

The project combines the fundamentals of industrial organisation theories based on microeconomic foundations, applied econometrics, and environmental and natural resource economics in undertaking a comprehensive review of reforms of the power sector and its impact on industrial and socio-economic performance. The book provides the intellectual groundwork necessary for understanding the workings and interactions of today's reforming power markets such as in ASEAN and East

Asia that are striving to achieve the energy policy trilemma of affordability, energy sustainability, and energy security. The topics addressed in this book include application of welfare theorems such as competition in energy markets, market failures such as lack of electricity access, analysis of forecasting models under volatility, energy resource allocation such as renewable energy, and competitive designs of energy markets. Country-specific and regional case studies are used to analyse the progress and outcomes of market-driven electricity reforms across the reforming and advanced electricity markets. Therefore, the book derives policy lessons and provides policy recommendations in reforming power markets for ASEAN and East Asia, taking stock of more than 3 decades of global experience with power sector reforms. The electricity markets case studies are carefully chosen and supported by extensive data analyses as appropriate. The energy economics and policy book are highly recommended to readers who seek an in-depth and up-to-date integrated overview about the evolving literature and status on electricity market reforms with a particular reference to Asia.

#### Policy Implications:

1. Energy policy reforms for free electricity market competition.
2. Step-by-step approaches to free electricity market.
3. Impacts of liquefied natural gas pricing mechanisms on the energy mix in ASEAN.
4. Electricity market reforms to accelerate development of renewables and clean energy.

The report of this project was co-published as [a book with Springer](#) in September 2022. It was edited by Han Phoumin, Rabindra Nepal, Fukunari Kimura, Gazi Salah Uddin, and Farhad Taghizadeh-Hesary.

#### 4. Small Modular Nuclear Reactor Deployment

Small modular reactors (SMRs) are nuclear fission reactors smaller than conventional reactors. They can be manufactured at a plant and brought to and installed at site. SMRs allow less on-site construction, increased containment efficiency, and enhanced safety due to passive nuclear safety features and thus have been proposed as a way to bypass financial and safety barriers that have inhibited the construction of large conventional nuclear reactors in recent decades. This interest in SMRs is driven by a desire to reduce the impact of capital costs and provide power away from large grid systems. The study examines the applicability of SMRs in the context of the Association of Southeast Asian Nations (ASEAN). Since small reactors are envisaged as replacing fossil fuel plants in many advanced countries, the study reviews the market conditions and licensing requirements in those countries and the regulatory and safety imperatives needed in developing economies for the commercial deployment of SMRs.

The study also investigates international cooperation between the SMR-producing countries and potential newcomer countries in the fields of nuclear energy planning, conduct of feasibility studies, and new low-carbon infrastructure development.

##### Policy Implications:

1. Develop attractive business environments for SMR vendors and investors in energy-deficit countries.
2. Improve infrastructure provisions including regulations necessary for the deployment of SMRs.
3. Conduct open discussions on international cooperation in the countries about the future utilisation of nuclear energy, including SMRs.

The report of this project was published as ERIA Research Project no.10 in September 2022, titled: [Small Modular Reactor \(SMR\) Deployment: Advantages and Opportunities for ASEAN.](#)

#### 5. Analysis of East Asia Summit (EAS) Future Mobility Fuel Scenario Considering the Sustainable Use of Biofuels and Other Alternative Vehicle Fuels

Greater efforts than ever before are being made to decarbonise transport in the Association of Southeast Asian Nations (ASEAN) and East Asia Summit (EAS) countries. With a quarter of total carbon dioxide (CO<sub>2</sub>) emissions coming from transport energy use, three options can reduce emissions: reduce transport energy demand, improve vehicle fuel efficiency, and replace mobility fuel with low-carbon approaches such as use of biofuel and electricity. The report analyses the future scenario of mobility in selected EAS countries, which strongly contributes to the Sustainable Development Goals (SDGs) and considers the necessary balance between CO<sub>2</sub> reduction in transport, biofuel use, and mineral resource demand stimulated by electrification of vehicles. The policies and strategies for biofuels and mobility electrification are examined and the existing research on sustainable use of biofuels documented. Databases are created to evaluate the availability of mineral resources such as neodymium and cobalt as well as the potentials of reducing carbon emission of biofuel in India, Indonesia, Malaysia, the Philippines, and Thailand.

##### Policy Implications:

1. A combination of electrical vehicle introduction and biofuel utilisation is the most effective in reducing oil consumption and CO<sub>2</sub> emission. Electric vehicle penetration has a positive effect on promoting the use of biofuel in supporting agriculture.

2. Whilst electrical vehicle promotion will contribute mainly to gasoline reduction, the imbalance between gasoline and diesel fuel consumption remains an issue in Thailand since diesel fuel consumption is much higher than gasoline consumption. Hence, reducing diesel fuel consumption should be prioritised through an appropriate blend of biodiesel.
3. Effects of the introduction of biofuel to oil consumption and/or reduction of CO<sub>2</sub> emission are limited to new vehicles.

Reducing greenhouse gas (GHG) emissions in the transport sector is now attracting attention worldwide. To meet the Paris Agreement 2030 targets, East Asia Summit (EAS) countries have been making great efforts to introduce biofuels on a large scale and electrified vehicles (xEVs) as well. This report presents the results of future scenario analysis of EAS mobility, which greatly contributes to the Sustainable Development Goals (SDGs) in view of the balance between transport CO<sub>2</sub> reduction, biofuel use, and mineral resources demand.

It provides evaluation results of 'well-to-wheel' CO<sub>2</sub> emissions and reductions for producing and using biofuels, and for implementing xEVs based on the policies of six countries – Indonesia, Malaysia, Philippines, Thailand, Viet Nam, and India. Moreover, future demand for mineral resources such as neodymium (for permanent magnet motors) and cobalt (for lithium-ion batteries) was estimated considering those countries' mobility electrification.

The report of this project was published as [ERIA Research no.16](#) in November 2022.

## 6. Pathways for Developing Countries to Achieve Carbon Neutrality

The G20 Rome Leaders' Declaration recognises the critical relevance of achieving global net zero greenhouse gas emissions by mid-century through acceleration of mitigation, adaptation, and finance activities. The Conference of the Parties (COP) 26 also reaffirms the long-term global goal to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels which requires rapid, deep, and sustained reductions in global greenhouse gas emissions and to net zero around mid-century. By focussing on developing countries of the Association of Southeast Asian Nations (ASEAN), this policy brief aims to provide developing countries in general with several pathways to achieve carbon neutrality and to recommend appropriate assistance and co-operation that can be expected from the Organisation for Economic Co-operation and Development (OECD) countries. This research will address four essential points: (i) the advantages of the ASEAN region in terms of its biomass richness, (ii) the potential for energy connectivity within the region, (iii) the adoption of new technologies such as carbon capture, use, and storage (CCUS) and new energy sources or carriers such as hydrogen and ammonia, and (iv) the relationship between decarbonisation and the economy. Deepened insights on the indicative pathways and research points will be derived by organising linking these research activities with those of the G20 Energy Transition Working Group (ETWG). The research team also intends to deliver its findings at the 40th ASEAN Ministers on Energy Meeting in September 2022.

The pillar of G20 Indonesia Presidency 2022 Energy Transition is 'Global Cleaner Energy Systems and Just Transitions', that aims at 'achieving global deal to accelerate energy transition'. G20 Indonesia Presidency defines its pathway to achieve carbon neutrality by endorsing international collaboration to accelerate

the reduction of energy-related greenhouse gas emissions through various decarbonisation methods. Accelerating the process of decarbonisation through international collaboration is the knowledge gap that is being closed by this policy brief through its focus on the carbon neutral pathways for the developing countries whilst considering co-operation potential with the developed economies.

As carbon dioxide emission reductions become increasingly urgent to counter climate change, many nations have announced net-zero emissions targets. Achieving a net-zero economy will require the decarbonisation of electricity generation, massive expansion of low-carbon energy systems, and investment in net-zero-carbon technologies. These adjustments must consider the existing energy, economic, and social development imperatives of advanced and developing countries, while encouraging regional cooperation. This brief assesses energy transition challenges for the Association of Southeast Asian Nations and the Gulf Cooperation Council (GCC), and proposes new policy pathways towards an inclusive global net-zero economy.

The results of this project were published as an [ERIA T20 Policy Brief](#) and can be accessed both on the ERIA website and on the T20 website.

## **7. Policies and Infrastructure Development for the Wider Penetration of Electric Vehicles (EVs) in ASEAN Countries**

The study conducts both quantitative and qualitative analysis with the focus on five ASEAN countries – Brunei Darussalam, Indonesia, Malaysia, Thailand, and Viet Nam. The proposed methodology consists of five elements: (i) an analysis of current policies and regulations aimed at wider diffusion of EVs in those ASEAN countries, EV enablers (such as policies, regulation, production basis, financing, and human resources) in relation

to ownership, manufacturing, and development of charging infrastructure; (ii) an impact assessment of EV deployment on energy savings and CO<sub>2</sub> emissions reduction; and (iii) an analysis of the Total Cost of Ownership (TCO) for passenger vehicles, buses, trucks, and bikes from the use of EVs, and compare it with that of ICEVs, HEVs, and PHEVs. Finally, the study will elaborate on recommendations for ASEAN countries to formulate necessary policies to achieve wider diffusion of EVs, to develop infrastructure, and to coordinate EV batteries manufacturing supply chain.

### Policy Implications:

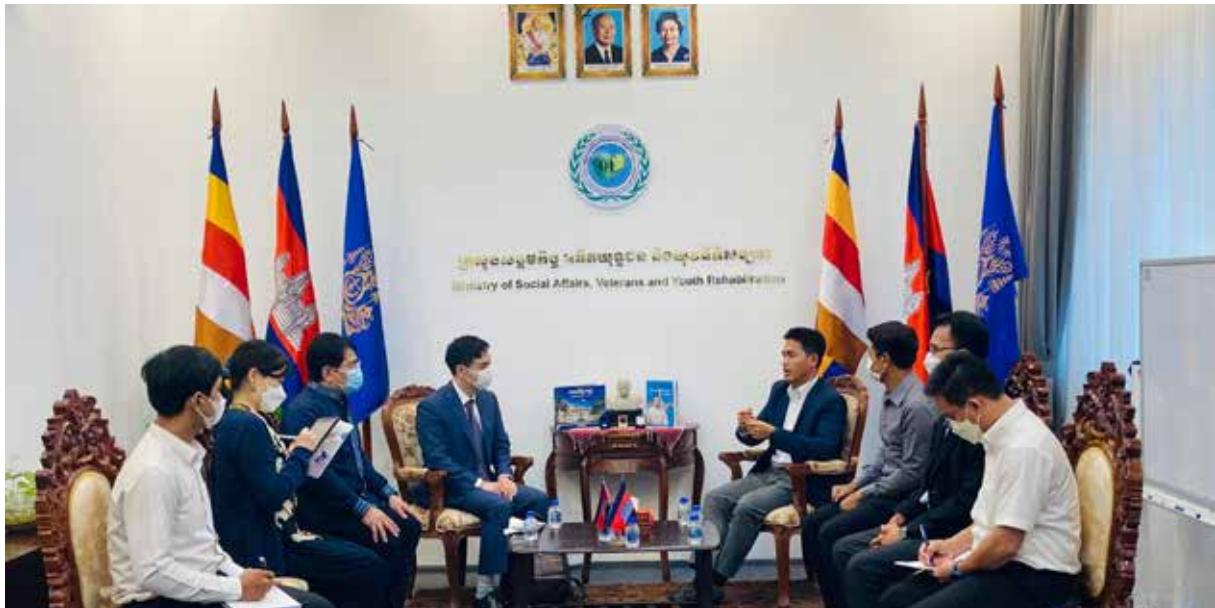
The study provides ASEAN Member States, especially their Ministries of energy with a set of policy recommendations that could serve as an important input to formulate policy measures and strategies to achieve wider diffusion of electric vehicles.

The results of this projects were published as an [ERIA Research Project Report](#) in March 2023. This report provides well-to-wheel CO<sub>2</sub> emissions from the electrification of the transport sector, and identifies the strengths, weaknesses, opportunities, and threats (SWOT) for selected Association of Southeast Asian Nations (ASEAN) countries – Indonesia, Thailand, Malaysia, Viet Nam, and Brunei Darussalam. It also contains analysis of passenger vehicles' total cost of ownership for internal combustion engine vehicles, hybrid electric vehicles, plug-in hybrid electric vehicles, and battery electric vehicles. The report explores the tipping point for battery electric vehicles to become cost-competitive vis-à-vis internal combustion engine vehicles, for passenger vehicles, buses/trucks, and motorcycles. Finally, the report provides a set of recommendations for the different ASEAN countries concerning the choice of transport modes where electrification should be given priority and the policies needed in relation to countries' ambitions, such as Indonesia's and Thailand's goal of becoming EV production hubs in ASEAN.

## Healthcare

During FY2022, ERIA's Healthcare Unit published one book and three research project reports, including *Older People and COVID-19 in Indonesia* (2022 edition), which reports the results of a telephone survey to identify the impacts of the COVID-19 pandemic on older people's lives. This survey was proposed by Indonesia's Ministry of National Development Planning (BAPPENAS).

A memorable event handled by the Healthcare Unit was the announcement of the winners of the third Healthy Aging Prize for Asian Innovation award, which was co-organised with the Japan Center for International Exchange. Four winners were selected from 10 countries by the international advisory committee, which consisted of leading experts on population ageing throughout the region.





Through Japan's Ministry of Health, Labour and Welfare, the unit has been expanding its research focus to include areas such as clinical trials. A memorandum of understanding with the National Center for Global Health and Medicine in Tokyo was signed in 2022. These research activities will result in evidence-based policy paper recommendations after discussions with regional country experts, alongside their national health databases and published data from multiregional clinical trials. These activities are expected to improve the capacity of clinical trials in the region

and to support a region-wide network and capacity building to organise well-managed multiregional clinical trials for drugs and medical devices even during future pandemics.

In addition, the unit has collaborated with the World Health Organization through a secondee from ERIA, assigned to the WHO department in charge of the list of essential in-vitro diagnosis device research activities.

## Environment



The Regional Knowledge Centre for Marine Plastic Debris was established by ERIA in October 2019 to support ASEAN+3 countries in addressing emerging challenges associated with marine plastic debris and to foster relevant good practices. The Regional Knowledge Centre aims to facilitate networking amongst stakeholders, raise awareness, promote innovative actions in each country, and facilitate national and regional cooperation, while supporting the ASEAN Regional Action Plan for Combating Marine Debris in the ASEAN Member States (2021–2025).

The activity categories of the Regional Knowledge Centre during FY2022 were mainly (i) research-related work, (ii) private sector collaboration, (iii) awareness raising, and (iv) capacity development.

Many research-related projects are ongoing, including with partner institutions such as the Institute for Global Environmental Strategies (IGES), the Regional Resource Centre for Asia and the Pacific at the Asian Institute of Technology, and the Centre for International Law at the National University of Singapore. Additionally, discussions to develop the OECD's Plastic Outlook Report focusing on the Asian region in partnership with IGES were initiated. The Regional Knowledge Centre, also in collaboration with IGES established ERIA's Experts Working Group on Marine Plastic Debris was set up in 2021 with the objective of assisting with the establishment of baselines and offering multidisciplinary assessments of the marine plastics situation in the ASEAN+3 region. The Working Group held its third meeting – for the first time in person – in Jakarta in 2022.

In FY2022, the Regional Knowledge Centre continued its engagement with the private sector and promoted its contribution to plastic waste reduction – both upstream and downstream. Three online/hybrid events were organised focusing on Cambodia, Thailand, and Viet Nam. The ERIA online platform showcasing private companies' products, technologies, and services contributing to plastic circularity also grew to host 72 entries from seven ASEAN+3 countries.

In terms of awareness raising, in addition to the 'Zero in on Plastics' interview series which started in 2021, a series of youth awareness raising activities were launched in 2022. On this front, the Regional Knowledge Centre collaborated with the ASEAN–Japan Centre to support its Eco-School programme, mobilising 10 schools and 2,089 students from Indonesia, the Philippines,

and Thailand to receive plastic waste education. A podcast series named 'Living Chic with Plastic' was also launched at the end of 2022.

Finally, some of the capacity building activities that the Regional Knowledge Centre engaged in include mangrove habitat conversation training, marine plastic monitoring training, and the preparation of the development of a solid waste statistics system in Cambodia.

The Regional Knowledge Centre has also kept expanding its outreach and partners, and FY2022 saw the consolidation of partnerships with organisations such as the Mission of the Republic of Korea to ASEAN and GIZ through its 3RproMar project.



## Agriculture

Multiple challenges – such as continuously increasing food demand due to steady population growth, worsening climate change, the devastating effects of the COVID-19 pandemic, and intensifying geopolitical tensions – have impacted global food security issues. The world is increasingly concerned about food security and is focusing on strengthening the resilience and sustainability of agriculture and the food system. Given the importance of the food and agriculture sector, as one of ERIA's research departments, the Agriculture Unit addresses emerging topics in the food and agriculture sector. ERIA's food and agriculture research activities have been conducted on an ad hoc basis since its establishment in 2008. However, since the establishment of the Agriculture Unit in 2016, emerging issues

such as the food value chain, the cold chain, the digitalisation of agriculture, sustainable agriculture, and food security have been continuously addressed through research works as well as capacity building activities such as knowledge-sharing workshops. The main priority of the Agriculture Unit is to contribute to developing policies for the ASEAN food and agriculture sector. Although the contribution of the agricultural sector to overall economic growth is not necessarily large, its importance to the socio-economic situation of each country remains unchanged, especially in the ASEAN region – the food and agriculture sector is a major source of employment and income for a large proportion of the population, and ensuring food security and food safety is of critical importance for all human beings.



In FY2022, the Agriculture Unit concentrated on formulating and starting a research project on 'Building and Enhancing Sustainable Agriculture and Food System in ASEAN Countries'. Through the project, ERIA has supported ASEAN in implementing the 'ASEAN Regional Guidelines for Sustainable Agriculture in ASEAN', endorsed at the 44th Meeting of the ASEAN Ministers on Agriculture and Forestry (AMAF). This project has three tiers: (i) studies on sustainable agriculture and food systems, including a preliminary scoping study and in-depth country case study; (ii) support to ASEAN in the implementation of the guidelines; and (iii) knowledge-sharing workshops. The Agriculture Unit started the preliminary scoping study, which aims to identify key priority areas to be focused on for building and enhancing a sustainable food system in the context of ASEAN and according to each country's national priorities. This study engaged all 10 ASEAN Member States (AMS). An interview and/or questionnaire survey with ASEAN government officials and stakeholders of the food system (including farmers, cooperatives, processors, distributors, and consumers) about their awareness and perception of sustainable food systems was conducted to identify priority areas and assess the readiness for realising a sustainable food system. In addition, gaps in terms of priority areas in the sustainable food system – amongst AMS as well as between the target area of ASEAN guidelines and reality – were identified through this study. The findings and policy recommendations from this scoping study will be shared with ASEAN governments as well as academics and the private sector, and used for the development of an action plan for the implementation of the ASEAN Guidelines for Sustainable Agriculture, as the next tier of this project that will be conducted in FY2023.

During the G20 Indonesia Presidency, the Agriculture Unit actively supported the Agriculture Deputies' Meetings, Agriculture Ministers' Meetings, and several side events related to agriculture issues. In addition, it contributed to a T20 policy brief for Task Force 4 on Food Security and Sustainable Agriculture titled 'Digital Transformation of Agri-Food System: Policy Pathways for Greater Socio-Economic Inclusion, Sustainability, and International Cooperation'. The policy brief was presented at the Digitalization in Agriculture: A G20 Policy Framework for an Equitable and Environmentally Sustainable Transition at The Side Event T20 Indonesia 2022. ERIA President Prof. Nishimura delivered a speech on 'Inclusive Digitalisation of Agriculture' at the G20 Agriculture Ministers' Meeting on 28 September 2022 in Bali, Indonesia. This speech contributed to the Chair's Summary released by the G20 Indonesia Presidency Agriculture Ministers' Meeting. The Agriculture Unit supported a Joint Webinar organised by the Agriculture Working Group and the Development Working Group on the G20 Agenda by delivering a presentation on 'Enhancing Digital Agriculture and Rural Finance for Food Security'.

The Agriculture Unit also contributed to CADP 3.0 (Chapter 16 on Food and Agriculture), which focused on food security, agricultural digitisation, as well as sustainable food systems. In line with this, the Agriculture Unit delivered a presentation titled 'Transforming Agriculture and Food System to More Sustainable and Resilient with Innovation' at the CADP 3.0 Symposium in Phnom Penh, Cambodia held on 9 November 2022. Moreover, ERIA presented 'Digital Pathways for Improving the Productivity, the Profitability, and Sustainability of Agri-Food Systems' at the



Borneo International Conference on Agrotechnology (BICAT) conference, organised by Universiti Teknologi Brunei and held in Brunei Darussalam on 2 July 2022.

The Agriculture Unit will continue practical research and related activities to support the region's policy development in the food and agriculture sector. In the coming years, the unit will focus on research support and related activities for building and enhancing a sustainable agriculture and food system in the region. In line with this, the Agriculture Unit in cooperation with the ASEAN Secretariat is developing an action plan for

the implementation of the ASEAN Guidelines for Sustainable Agriculture. This project activity aims to identify practical and manageable action points for achieving the five key principles of the sustainable agriculture guidelines, and to develop a draft action plan for the implementation of the guidelines to be submitted to Senior Officials Meeting (SOM)-AMAF and AMAF for endorsement. Moreover, the Agriculture Unit is committed to supporting the Government of Indonesia in developing the ASEAN Leaders' Declaration on Strengthening Food Security under Indonesia's ASEAN chairmanship in 2023.





# Policy Design Department

## Policy Department

In 2022, the Policy Design Department (PDD) continued to intensify its work on regional economic integration through policy research and advice that supported medium- and long-term development and economic integration of the ASEAN and East Asia region. Despite the uncertainties created by the COVID-19 pandemic, the PDD held extensive engagements with ASEAN Member States (AMS) and senior officials on various economic and social issues. These engagements included support to the Government of Cambodia's chairmanship of ASEAN in 2022, such as developing research and policy assessment papers on the ASEAN Trade in Goods Agreement (ATIGA) and key ASEAN trade facilitation initiatives for the ATIGA Trade Negotiating Committee and relevant bodies; capacity building on the ASEAN Trade in Services Agreement (ATISA) to ASEAN sectoral bodies and the ASEAN Secretariat; and strengthening the inter-regional network by supporting the EAS process.

In addition, the PDD had a productive collaboration with multilateral organisations and other stakeholders, such as by providing country-specific support in the case of Viet Nam's industrial development competitiveness and strengthening regional collaboration and policy dialogue with Asia-Pacific Economic Cooperation (APEC), the OECD, and the United Nations Conference on Trade and Development (UNCTAD). The PDD was able to meet the demand for support from governments, multilateral organisations and development partners, and other stakeholders because of its intensive cooperation and collaboration with other departments and units in ERIA such as the Research Department, Energy Unit, Communication, Publications, and Outreach Department; and

Capacity Building Department. The PDD hopes to continue this collaboration within and outside ERIA to produce high-quality policy research and advice that can help address the economic and regional challenges in the region.

### 1. PDD's Support on Priority Economic Deliverables for the Cambodian ASEAN Chairmanship 2022

#### (i) Support on the AEC's Priority Economic Deliverables

- a. **Work Programme to Support Implementation of the Framework for Circular Economy for the AEC.** The PDD coordinated the drafting of the Work Programme to Support the Implementation of the ASEAN Framework on Circular Economy, focusing on the agriculture, energy, and transport sectors. The work programme was adopted at the 54th ASEAN Economic Ministers' Meeting on 13–15 September 2022 in Siem Reap, Cambodia.
- b. **Launch of ATIGA Upgrade Negotiations.** ERIA supported the ATIGA upgrade negotiations by conducting a research study and gap analysis which examined and analysed the text of the ATIGA and other ASEAN documents and compared them with provisions in other major free trade agreements (FTAs) to recommend incorporating new elements of FTAs into the ATIGA. The research study and gap analysis papers were presented to the ATIGA Trade Negotiating Committee on 8 December 2022 and the ASEAN Coordinating Committee on Micro, Small and Medium Enterprises (ACCMSME) on 16 February 2023 for consideration. ERIA anticipates receiving additional requests for support from ASEAN on the upgrade negotiations.

- c. **Development of the Work Plan for the Implementation of the ASEAN Framework for Equitable Economic Development.** This work plan adopted widely accepted dimensions, indicators, and thresholds of well-being that align with the desired characteristics of the AEC and ASCC blueprints and is benchmarked against targets set in global accords such as the Sustainable Development Goals (SDGs). ERIA's work – CADP 3.0 – contributed to the Priority Economic Deliverables, as it advocates the simultaneous achievement of deepening economic integration and the correction of disparities by using the power of the production networks and existing economic disparities as a source of further economic development. CADP 3.0 was launched and published on 17 September 2022 at the 10th EAS Economic Ministers' Meeting (EMM) in Siem Reap, Cambodia. This was followed by a workshop, held on 9 November 2022 in Phnom Penh, Cambodia.
- d. **Framework on Sustainable Tourism Development in ASEAN in the Post-COVID-19 Era.** This framework analysed the impact of COVID-19 on sustainable tourism and developed an operational framework and key performance indicators for advancing the sustainability of the ASEAN tourism sector. The framework was endorsed by the 26th Meeting of ASEAN Tourism Ministers on 4 February 2023 in Yogyakarta, Indonesia.
- e. **Comprehensive study on implementation of the Mutual Recognition Arrangements on Tourism Professionals.** This study reviewed the objectives of the Mutual Recognition Arrangements on Tourism Professionals and provided ASEAN policymakers and regulators with a better understanding of the challenges related to the mobility of

ASEAN tourism professionals and recommendations to overcome those challenges – particularly in relation to the implementation of Mode 4 (movement of natural persons) under ASEAN FTAs. The study was endorsed by the 26th Meeting of ASEAN Tourism Ministers on 4 February 2023 in Yogyakarta, Indonesia.

- f. **Policy Study on 'ASEAN's Memorandum of Understanding on the Non-Tariff Measures (NTMs) on Essential Goods: Impact Assessment requested by AMS'.** Initial results were presented to the 25th ASEAN Trade Facilitation Joint Consultative Committee (ATF-JCC) on 12 January 2023.

#### (ii) Support on ASCC Community Priority Deliverables

- a. A research study was conducted to support the ASEAN Declaration on Fostering ASEAN Identity Through the Safeguarding of Traditional Sports and Games in the Modern World. The draft final report of the study has been completed and is being reviewed by AMS.
- b. Two workshops were organised in Phnom Penh, Cambodia: (i) on the Preservation of ASEAN Traditional Sports and Games, 8–9 August 2022; and (ii) on the State of Sports and Recreation Zones Development in ASEAN, 10–11 August 2022. The outcomes of the workshops were used as inputs to the ASEAN Declaration on Leveraging the Role of Sports in ASEAN Community-Building and Achieving the SDGs and the ASEAN Declaration on Fostering ASEAN Identity Through the Safeguarding of Traditional Sports and Games in the Modern World. Both declarations were issued at the 40th and 41st ASEAN Summits in Cambodia on 11 November 2022.

**(iii) Support to ASEAN Sectoral Bodies and the ASEAN Secretariat**

- a. Implementation Plan for the Framework for Circular Economy for the AEC.** This plan included conducting a baseline study on the implementation of the circular economy in each AMS, focused on selected priority sectors in ASEAN (e.g. agriculture, energy, and transport). The study also identified suitable initiatives under the circular economy implementation plan. The implementation plan was adopted at the 54th ASEAN Economic Ministers Meeting on 13–15 September 2022 in Siem Reap, Cambodia.
- b. Preparation of the Non-Conforming Measures Lists under the ATISA.** The PDD, in collaboration with the Capacity Building Department, supported AMS senior economic officials from the respective line ministries of Lao PDR, Malaysia, Singapore, and Thailand in preparing their lists of non-conforming measures to meet their commitments under the ATISA. The Non-Conforming Measures Lists were presented to AMS during the 100th–102nd Coordinating Committee on Services (CCS) Meeting.
- c. Making the ATISA 4.0: Reinvigoration of Services Supply.** ERIA developed specialised programmes together with the 4IR Institute, Universiti Kebangsaan Malaysia (UKM), by integrating new Fourth Industrial Revolution (4IR) technologies and best practices in the provision of services; and organised technical workshops to support ASEAN professionals (new, young, and existing) from 2022 to 2024. ERIA and the 4IR Institute, UKM – supported by Singapore’s Ministry of Trade and the private sector – conducted the First 4IR Capacity Building Workshop for Engineers and Architects with more than 5 years’ experience from 19 to 23 September 2022 in Jakarta, Indonesia.
- d. ASEAN’s Work on Good Regulatory Practice.** The PDD has worked closely with the ASEAN Secretariat, with the support of the OECD, in addressing the unimplemented initiatives under the ASEAN Work Plan on Good Regulatory Practice (GRP), 2016–2025. Activities involved preparing the ASEAN Handbook on GRP; identifying possible pilot projects on GRP in strategic sectors in ASEAN (e.g. the electric vehicle (EV) and battery industry); and providing capacity building to promote GRP and build buy-in across institutions, sectors, and AMS. The ASEAN Handbook on GRP was completed in November 2022.
- e. Study on the Supply and Demand of Professional Services in ASEAN.** The study analysed the supply and demand of professional services (i.e. accountants, architects, dentists, doctors, engineers, nurses, and surveyors) in ASEAN, and how to enhance the level of interaction and mobility of ASEAN professional services due to the evolving services trade landscape. The findings of the study were presented at the ASEAN CCS, Business Sector Working Group, and Health Sector Working Group during the 101st and 102nd CCS meetings.
- f. Follow-Up Study on the ASEAN Seamless Trade Facilitation Indicators and Trade Transactions Cost (ASTFI-TTC II).** This was a follow-up study to the ASEAN Seamless Trade Facilitation Indicators (ASTFI) baseline report (ASTFI-TTC 2018) to highlight the implementation of key trade facilitation initiatives and understand the improvement in the trade facilitation environment and trade transactions costs in ASEAN in 2020. The study included the calculation of the updated Trade Transactions Cost (TTC) to measure the reduction in TTC in ASEAN from 2018–2020.

The country reports and integrative chapter of the ASTFI II were finalised and presented at the 24th ATF-JCC Meeting held on 20 July 2022. The TTC II country reports and integrative chapter were presented at the 25th ATF-JCC Meeting on 13 January 2023 and are being considered by the respective AMS for finalisation.

**g. Public Version (book) of the Follow-up Study on the ASTFI**

**II Based on the Official ASTFI II Report.** This is a public version of the follow-up ASTFI II report that highlights the implementation and progress of key trade facilitation initiatives in ASEAN and monitors the trade facilitation progress compared with the ASTFI baseline study. The country reports and integrative chapter of this book are being finalised. Publication is expected by the second quarter of 2023.

**h. Implementation of the Non-Tariff Measures Cost-Effectiveness Toolkit – Handbook for ASEAN.**

This provides support to relevant AMS on the implementation of the Non-Tariff Measures (NTM) Toolkit, a framework to review and evaluate the cost-effectiveness of existing NTMs in ASEAN. The activities and tentative timeline related to the implementation of the NTM Toolkit has been identified and discussed with Indonesia's Ministry of Trade.

**(iii) Support to the EAS EMM 2022 and Senior Economic Officials' Meeting Consultations and Related Meetings.**

ERIA developed a discussion paper on regional economic integration and development, based on its policy-based research and potential initiatives in support of the EAS process. This year's discussion paper considered the findings of CADP 3.0 related to economic development in

the EAS region from the comprehensive perspectives of integration, innovation, inclusiveness, and sustainability. The discussion paper was presented at the EAS EMM on 13 September 2022.

**(iv) Participation in the Regional Comprehensive Economic Partnership Book Project.**

The Regional Comprehensive Economic Partnership (RCEP) book was completed and presented at the side event of the 40th and 41st ASEAN Summits on 2–3 November 2022 in Cambodia. Two joint papers were completed: (i) 'The Story of RCEP: History, Negotiations, Structure, and Future Directions'; and (ii) 'RCEP Services Liberalisation: Key Features and Implications'.

## 2. Support for AMS

**(i) Strengthening Viet Nam's Industrial Competitiveness.**

ERIA was requested to provide support to the drafting process of Viet Nam's Law on Industrial Development. Discussions with the Ministry of Industry and Trade of Viet Nam are being held to identify specific support activities that ERIA could provide for the drafting process, which would span until 2025.

**(ii) Viet Nam Industrial Development Workshop Co-Organised by ERIA and The Central Institute for Economic Management (CIEM) Viet Nam.**

Held in December 2022, this workshop targeted the development of industry in Viet Nam and stipulated the policymaking and international cooperation agenda necessary to develop it. The workshop consisted of a brief introduction to the challenges facing industrial development in Viet Nam for achieving an advanced economy in Asia, analyses of Viet Nam's industries, and the future direction of the policy implications.

### 3. Collaboration with other International Organisations

**OECD Southeast Asia Ministerial Forum (17–18 October 2022).** The Ministerial Forum focused on the resilience and sustainability of supply chains, with two sessions. The first session provided an opportunity for ministers and high-level participants from the OECD member countries and AMS to discuss the current challenges to businesses and governments in ASEAN and the OECD. The second session focused on how to improve the resilience of supply chains for a greener and digital future. The opening and closing speeches were live-streamed to the public, while ministerial discussions were held by invitation only.



# Outreach and Dissemination

## Communications

ERIA's Communications Department aims to raise ERIA's profile and continuously improve contact with stakeholders – including policymakers, academics, the media, and the broader public – through events, the ERIA website, social media, podcasts, media relations, video production, brand management, and design services. By taking the lead in coordinating outreach, the work of the Communications Department is spread across all research and policy projects. It works closely with the Research Divisions, the Policy Design Department, the Publications Department, and the Capacity Building Programme to ensure their outputs are disseminated to the appropriate audiences.

**Table: Social Media Highlights FY2022**

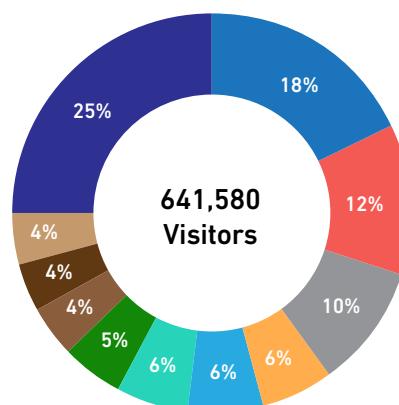
<b>LinkedIn Followers</b>	Increase of 80%, year-on-year
<b>LinkedIn Profile Visits</b>	Increased by 1,300%
<b>Twitter Impressions</b>	Almost 100,000
<b>Facebook Engagement</b>	Increased by 23%
<b>Total Website Views</b>	Almost 650,000

### i. Website, Social Media, and Online Presence

The Communications Department continued to expand its digital outreach in FY2022 by adding a new position to the team to focus on creating social media content and managing scheduling and campaigns, with a total of 1,134 posts across four platforms (LinkedIn, Twitter, and Instagram). It expanded and updated the ERIA website, creating new pages to highlight ERIA's support of G20 and the ASEAN Chair and offering all ERIA

publications for free through Google Scholar and directly from its website. The website was visited almost 650,000 times. Some of its publications are featured on the Asia Development Bank Institute's website Think Asia, ADB SEADS's website, UNCTAD E-trade for All, and the World Economic Forum's Strategic Intelligence platform.

**Figure: Website Views**



## ii. Podcast

In 2021, ERIA Communications launched the ASEAN Insights podcasts – short, informal interviews with ASEAN and East Asian experts about their current work or comments on trending issues. In 2022, ERIA’s Director of Communications conducted interviews on the following topics:

- Indonesia’s ASEAN Chairmanship, with Shanti Shamdasani
- The Future of Electric Vehicles in ASEAN. Tara Bellwood, a journalism intern for the Australian Consortium for ‘In-Country’ Indonesian Studies, in conversation with Dian Lutfiana, ERIA Energy Research Associate
- The Geopolitics of Semiconductors: Yasu Ota in discussion about his best-selling book
- Preventative Diplomacy, with Prof Akiko Yamanaka, Japan’s Vice Minister for Foreign Affairs
- ASEAN’s Road to Recovery with Dr Aladdin D Rillo

By the end of FY2022, the series had almost 1,000 listeners from more than 50 countries.

In 2022, the department supported the RKC-MPD in launching its ‘Living Chic with Plastic’ podcast.

## iii. Videos

Videos have become an increasingly important tool to promote projects, explain outcomes, and educate people on specific issues. ERIA uses them in social media, on its website, and at events to provide succinct and engaging content that draws people in to ERIA’s research and helps them understand key issues and recommendations. In FY2022, the department created 53 new videos, mostly of ERIA’s events. In the past year, ERIA’s videos have been viewed more than 31,000 times. Analytics also show that our videos reached around 360,000 people across the globe throughout the year.

## iv. Media Relations

Media is one of the core channels through which ERIA disseminates its research findings, policy recommendations, and news of its achievements. It works closely with the media to help them understand ASEAN priorities and how best to report on them. In 2022, it conducted a workshop in Phnom Penh to build the capacity of Cambodian journalists who were covering Cambodia’s Chairmanship of ASEAN. It also hosted the annual Editors Roundtable in Phnom Penh with 21 journalists from across the region. ERIA is in constant contact with the media across ASEAN and East Asia, fielding questions from journalists on a range of issues and responding to their requests for interviews. The Communications Department works with editors to place ERIA op-eds and to distribute press releases. Some key numbers from 2022 include the following:

- Total media exposure: 554 articles in 230 news outlets
- Op-eds: 92 titles, published 111 times across 26 media outlets

## vi. Partner Relations

In 2022, the Communications Department developed proposals for ERIA projects which could be delivered as part of the US Chairmanship of APEC. It also continued private sector engagement with the American Chambers of Commerce in the Asia-Pacific, the Business 20 group, and the Indonesian Chamber of Commerce and Industry (KADIN). Continual information exchange with the US Agency for International Development (USAID)–Indo-Pacific Hub, the Office of the US Trade Representative, the US Department of Commerce, the US State Department, US and Canadian missions to ASEAN, The Asia Foundation, the French Institute of International Relations, the Centre for Strategic and International Studies (CSIS), the US Institute of Peace, the Asia Society, the Foreign Policy Community of Indonesia, and others.

## vii. Think Tanks

Due to the tragic and untimely demise of Dr James McGann, the Global Go To Think Tank Index ranking did not take place in 2022. Instead, ERIA has been working with a small group to ensure that Prof. McGann's legacy is continued. It also launched several initiatives to support ASEAN think tanks.

## viii. Communications Publications

*ERIA Frames*, ERIA's electronic subscription newsletter, was distributed regularly to more than 11,000 contacts. Event reports, including ASEAN on Point, have become one of the most read publications on ERIA's website, with about 2,422 views in 2022. The annual Summary of ERIA Research Projects continues to expand as the number of projects increases, reaching 66 in 2022.

## ix. Events

Online and hybrid events continue to be the preferred format for ERIA as they attract many more people than in-person events and have a global reach. ERIA's Communications team manages

the technical side of these events as well as the outreach through social media, the website, and email campaigns. Communications also organises and hosts a wide range of roundtables, discussions, and briefings to highlight the work of ERIA's experts. In FY2022, it continued the *ASEAN on Point* in partnership with the ASEAN Secretariat to address issues of importance to the Secretariat by providing a platform for public input and engagement. Each ASEAN on Point is published online as a video, along with an event report that includes policy recommendations.

## x. Knowledge Management

ERIA's research and expertise require a high level of organisation so that publications and information can be easily accessed. The Communications Department ensures that all publications are entered into the Research Papers in Economics (RePEc) record, and coordinates the distribution of publications to the Library of Congress. It also manages the library of in-house publications as well as external newspapers and publications that researchers can use as reference materials. The department physically and digitally archives ERIA events at the Information Centre.

# Publications

ERIA publishes books, research reports, discussion papers, and policy briefs to share and disseminate its research findings and policy recommendations. These publications cover a wide range of subject matter on deepening economic integration, narrowing development gaps, and sustainable development – the three pillars under which ERIA conducts research. ERIA is also highly involved in energy-related research and FY2022 was the fourth year ERIA conducted research on healthcare, the environment, and agriculture.

ERIA actively participated in the Indonesian Presidency of the Group of Twenty (G20) throughout 2022. ERIA published numerous reports, policy briefs, and discussion papers on its implications for the economy (trade, investment, and fiscal policy), energy, and the environment. ERIA also co-published one book with Routledge and two with Springer.

In FY2022, ERIA published its flagship project titled The Comprehensive Asia Development Plan (CADP) 3.0: Towards an

Integrated, Innovative, Inclusive, and Sustainable Economy, and Dynamism of East Asia and RCEP: The Framework for Regional Integration, which was officially launched by H.E. Hun Sen, Prime Minister of the Kingdom of Cambodia.

A total of 19 research project reports, 43 discussion papers, and 12 policy briefs were published by ERIA in FY2022.

ERIA also produced 11 books in FY2022, eight of which as sole publisher:

- Accelerating Digital Transformation in Indonesia: Technology, Market, and Policy
- Assessing the Impacts of COVID-19: Regional Policies and Practices for Green Recovery
- Dynamism of East Asia and RCEP: The Framework for Regional Integration
- New Normal, New Technologies, New Financing
- Non-tariff Measures Australia, China, India, Japan, New Zealand, Republic of Korea
- Older People and COVID-19 in Indonesia (2022 Edition)
- Regional Comprehensive Economic Partnership: Implications, Challenges, and Future Growth of East Asia and ASEAN
- The Comprehensive Asia Development Plan (CADP) 3.0: Towards an Integrated, Innovative, Inclusive, and Sustainable Economy

The Institute also continues to promote and expand its research by publishing with first-rate global publishers and in FY2022

ERIA co-published three books:

- Revisiting Electricity Market Reforms: Lessons for ASEAN and East Asia (with Springer)
- Robots and AI: A New Economic Era (with Routledge)
- Sustainable Development Goals and Pandemic Planning: Role of Efficiency Based Regional Approaches (with Springer)

## Planning and Coordination

The Planning and Coordination Department (PCD) has focused on ensuring that communication and collaboration amongst ERIA and its main stakeholders remain intact. Due to the remaining difficulties caused by travel restrictions, FY2022 marked the third year that institutional meetings were held virtually. The 14th Academic Advisory Council (AAC) Meeting was held on 21 April 2022, while the 15th ERIA Governing Board Meeting was conducted on 2 June 2022 – both virtually. The annual institutional meetings discussed how ERIA can play an active role in responding to the impacts of global developments on the ASEAN/East Asia region amid global volatility and uncertainty – repositioning and refocusing the ASEAN Community towards sustainability, resiliency, inclusiveness, and connectivity.

Along with the Institute of Developing Economics–Japan External Trade Organization (IDE-JETRO), the PCD organised an in-person gathering of the Research Institutes Network (RIN) on 24 November 2022 in Bangkok, Thailand, for the first time after 3 years of virtual meetings due to the pandemic. Continuing the dissemination of ERIA reports and publications to the Governing Board members, AAC members, RIN members, and Ambassadors of ERIA member states and Dialogue Partners, ERIA's publications were distributed both digitally and by post to keep the main stakeholders updated about ERIA's research and activities.



Another responsibility under the PCD is organising ERIA's seminars and symposia, which aim to (i) contribute to the chairmanship of ASEAN; (ii) advocate findings for research where ERIA is involved, (iii) seek inputs from academia as requested by senior government officials in the region, and (iv) promote ERIA as an international organisation with a crucial role in East Asian integration. As part of ERIA's contribution to Cambodia's ASEAN Chairmanship, the planning and coordination manager was invited to speak at workshops on the State of Sports and Recreation Zones Development in ASEAN and the Preservation of ASEAN Traditional Sports and Games, which were organised by the Ministry of Education, Youth and Sports, the lead for the ASCC Pillar as Chair of ASEAN on 10 and 11 August 2022 in Phnom Penh, Cambodia.

The PCD's efforts at these workshops, which contributed to ASEAN outcome documents under the ASCC – the ASEAN Declaration on Fostering ASEAN Identity through the Safeguarding of Traditional Sports and Games in the Modern World and the ASEAN Declaration on Leveraging the Role of Sports in ASEAN Community-Building and Achieving the SDGs – were appreciated in the Chairman's statement of the ASEAN Summits.

In FY2022, the PCD also co-hosted a virtual G20 High-Level Forum on Trade, Investment, and Industry with the International Economic Association and Indonesia's Ministry of Industry, Ministry of Trade, and Ministry of Investment (BKPM) on 26 and 27 July 2022. This was one of ERIA's major events supporting the G20 Presidency of Indonesia.



The PCD also organised the Second Extraordinary Governing Board Meeting, which was held at the headquarters of the ASEAN Secretariat on 2 December 2022. Unlike a regular Governing Board meeting, ERIA mainly reported the contributions to the G20 and ASEAN Summits, and the board members shared their assessments of and insights on ERIA's activities. This was followed by a meeting between ERIA and the Ambassadors of ERIA member countries and Dialogue Partners in the afternoon. The meeting was held to update the ERIA member countries and Dialogue Partners about ERIA's research developments and activities. ERIA closed the two meetings by hosting a farewell reception in honour of Dato Lim Jock Hoi, who completed his duties as ASEAN's Secretary-General in 2022.

The PCD closed FY2022 by hosting the Fifth Asia Cosmopolitan Award Ceremony and Nara Forum, co-organised with Nara Prefecture on 19 January 2023 in Nara, Japan, after a break of 4 years due to COVID-19. The award aims to recognise on a biennial basis individuals or organisations that have made significant contributions to the development of a peaceful and stable East Asian Community, to narrow the development gaps in the region, and to establish sustainable social growth towards cultural and economic integration within the region.

## Capacity Building

ERIA's Capacity Building Programme (CBP) continued to adapt and tailor its activities to the needs and requests of governments in a timely manner. Over the course of the year, activities resumed being delivered in-person as well as continuing in hybrid format. Over the year, the CBP expanded its audience to include both the private sector and government officials at the provincial level for outreach concerning the RCEP. In this way, the CBP fulfilled its mandate to strengthen the link between ERIA expertise and policymakers on issues critical for the development of the region.

By the end of the year, more than 300 government officials had participated in capacity building activities based around three components: (i) participation in ERIA research, (ii) ASEAN

and regional priorities, and (iii) increased research capacity. In addition, about 180 members of the public – primarily the business community – participated in public-private dialogues on the RCEP.

Integrating government officials in ERIA research continues to benefit officials as they gain a stronger understanding of complex issues, and it allows them to exchange perspectives with ERIA academics and government counterparts. In FY2022, officials participated in ERIA studies titled 'Servicification, Structural Transformation and Pandemic Recovery, and Global Value Chains' and 'Cities, Urban Amenities, and Global Production Value Chain: New Developments in Trade and Service Liberalisation in East Asia and ASEAN'; and a study workshop on climate change adaptation.





Throughout the year, the CBP supported workshops on (i) rules of origin under the RCEP; (ii) Transposition of Tariff Commitment from ASEAN Harmonized Tariff Nomenclature, and (iii) Training for Collecting NTMs. Government officials were also able to join ASEAN Secretariat–ERIA events and workshops on the 4IR Programme to Reininvigorate Professionals and an Introduction to GRP in ASEAN.

Responding to a request from Cambodia’s Ministry of Commerce, the CBP held a series of public–private dialogues around three key themes of the RCEP agreement: trade in services, investment, and trade facilitation. In partnership with the Government of the Lao PDR, the CBP held a 2-day in-person public–private

dialogue to cover the same themes, along with trade in goods and e-commerce in Vientiane, before going on to hold information sharing events about the RCEP in Luang Prabang and Savannakhet.

To increase officials’ capacity to conduct evidence-based policy modelling around forward-looking issues, the CBP held the first workshops in two series of workshops, one on RCEP, Regional Integration, and Structural Transformation; the other on Structural Transformation, Sustainable Growth, and Regionalism: Challenges and Opportunities for Cambodia.

The CBP continues to be funded through a grant from the Australian Government.

## Strategy and Partnership

The Strategy and Partnership Programme (SPP) continued to expand the development of programmes and knowledge products (policy briefs, discussion papers, event reports, and op-eds) on innovation, start-up ecosystems, economic empowerment of women, disability, and social inclusion. The SPP also contributed to strengthening and widening collaboration with stakeholders in the region to advocate ERIA's work more broadly by establishing several partnerships with relevant stakeholders.

### A. Policy Dialogues and Partnership in Collaboration with the ASEAN+6 and Relevant Stakeholders

The SPP contributed to developing and strengthening partnerships and strategic outreach with key stakeholders. Several policy dialogues and peer learning activities to discuss policy initiatives in catalysing the post-COVID-19 economic recovery were conducted in partnership with relevant ASEAN+6 and international organisation stakeholders, and a global high-level forum. Key activities included the following:

- The SPP joined the Startup20 Inception Meeting under G20 India as a global policy dialogue to promote start-up creation and scale-ups. Under the G20 Presidency, India created the

Startup20 group as a new G20 engagement group dedicated to new business ventures, entrepreneurship, and innovation ecosystems.<sup>1</sup>

- The SPP represented ERIA at a webinar organised by APEC as a workshop for micro, small, and medium-sized enterprises (MSMEs) to assess their readiness to adapt to an evolving market in the post-pandemic recovery process.<sup>2</sup> The SPP presented the findings of the Entrepreneurship–Startup–Innovation (E-S-I) Knowledge Lab research on entrepreneurship, digital connectivity, and policy approaches for boosting the entrepreneurial mindset and ecosystem.
- The SPP team was involved in the G20 Indonesia Presidency, especially working with Indonesia's Ministry of Communication and Information of Technology in a Digital Innovation Network event.<sup>3</sup> The forum aimed to share knowledge, encourage discussion, and build partnerships amongst global innovation players including start-ups, venture capitalists, and corporations. Highlighting the theme of the rise of the digital economy in the post-pandemic era and beyond, ERIA experts and the SPP team took part in the forum as judges and as the authors of the G20 Digital Innovation Network Whitebook.<sup>4</sup>

<sup>1</sup><https://www.eria.org/news-and-views/eria-joins-startup20-inception-meeting-under-g20-india/>

<sup>2</sup><https://www.eria.org/news-and-views/trends-in-micro-small-medium-sized-enterprises-discussed-at-apec-workshop/>

<sup>3</sup><https://www.eria.org/news-and-views/eria-contributes-to-writing-the-g20-digital-innovation-network-whitebook/>

<sup>4</sup><https://g20innovationnetwork.org/wp-content/uploads/2022/11/g20dinwhitebookcompendium.pdf>

- The SPP supported a side event of the ASEAN Summit 2022 and the first big technology and start-up event in Cambodia – Cambodia Tech Expo (CTX) – in November 2022. This expo reflected the spirit of collaboration and a multi-stakeholder approach towards Industry 4.0, followed by panel discussions and start-up business pitches.
- In collaboration with CIIE.CO, the Innovation Continuum from India, SPP conducted a peer learning session that aimed to share knowledge and tools relevant to entrepreneurship ecosystems in South and Southeast Asia. Four webinar episodes were conducted and four event reports produced on several topics – incubator as catalyst for innovation, health technology (health tech), agricultural technology (agritech), and women entrepreneurs. The reports also present a comparative analysis of some of the major policies in India and ASEAN.<sup>5</sup>
- The SPP established partnerships with several international institutions including the UNCTAD eTrade for All initiative, ADB Southeast Asia Development Solutions, and the Asian Network. Several activities focused on the digital economy, trade, and women’s empowerment.

## B. Entrepreneurship--Startup--Innovation Knowledge Lab

The SPP continued the success of the E-S-I Knowledge Lab as a platform to discuss and share ideas and develop knowledge on how innovation and business creation contribute to the post-COVID-19 pandemic recovery across ASEAN and East Asia. ERIA’s E-S-I Knowledge Lab website<sup>6</sup> and LinkedIn page<sup>7</sup> were formed as an open and collaborative platform that engages a multi-range of stakeholders across academia, the business community, policymakers, and international organisations. Since its establishment in mid-2022, the E-S-I Knowledge Lab LinkedIn page has more than 500 subscribers. As several activities resumed in person in 2022, the SPP in partnership with the Asian Network conducted live discussions with experts in Brunei Darussalam,<sup>8</sup> Malaysia,<sup>9</sup> and Viet Nam<sup>10</sup> from September to October 2022 to gather inputs on the challenges and opportunities of this ecosystem.

## C. Economic Empowerment of Women and the Participation of Women in the Digital Economy

The SPP continued to develop analytical work, policy dialogues, and involvement in a high-level discussion on the participation of women in the economy. Key actions included the following:

<sup>5</sup><https://www.eria.org/publications/category/event-reports>

<sup>6</sup><https://www.esi-eria.org/>

<sup>7</sup><https://www.linkedin.com/showcase/e-s-i-knowledge-lab/>

<sup>8</sup><https://www.eria.org/news-and-views/eria-the-asian-network-launch-e-s-i-knowledge-lab-in-brunei/>

<sup>9</sup><https://www.eria.org/news-and-views/eria-the-asian-network-launch-e-s-i-knowledge-lab-in-kl/>

<sup>10</sup><https://www.eria.org/news-and-views/eria-launches-e-s-i-knowledge-lab-in-ho-chi-minh-city/>

- The SPP participated in the G20 Women Ministerial Conference on Women's Empowerment in 2022 under the Indonesia Presidency. The conference highlighted issues including missing opportunities in the labour market, closing the digital gender gap: women's participation in the digital economy and future work, and women's entrepreneurship. H.E. I Gusti Ayu Bintang Darmawati, Indonesia's Minister of Women's Empowerment and Child Protection, Indonesia's Minister of Finance, and Italy's Minister of Equal Opportunity and Family were amongst the ministers who delivered special ministerial notes.<sup>11</sup>
- As part of the 2nd ASEAN Women Leaders' Summit, the SPP participated in the 2022 ASEAN Women Entrepreneurs Conference with a theme focused on 'Unlocking the Potential of Women's Entrepreneurship in ASEAN.' The event was hosted by H.E. Dr Ing Khanta Phavi, Minister for Women's Affairs of Cambodia, and joined by women entrepreneurs, as well as representatives from UN Women, the United Nations Economic and Social Commission for Asia and the Pacific, and others.<sup>12</sup>
- The SPP held a collaborative webinar on women in the digital economy. The E-S-I Knowledge Lab conducted a webinar on 'Female Entrepreneurs in the ASEAN Region: Innovation to Tackle Marine Plastic Waste' in collaboration with the RKC-MPD; a webinar titled 'Dare to Start: Addressing Gender Gaps in Entrepreneurship in Asia', held with the Tokyo Centre of OECD; a session on women and digital entrepreneurs, organised at the UNCTAD eCommerce Week; and a session on Women in Health, with the Asian Network.
- The SPP published several publications focusing on women in the digital economy, including a discussion paper on the availability of gender-disaggregated data on the ASEAN digital economy and empowering women entrepreneurs in eastern Indonesia.<sup>13</sup>



<sup>11</sup><https://www.eria.org/database-and-programmes/women-empowerment-closing-gender-gap-reaffirmed-in-g20-ministerial-conference/>

<sup>12</sup><https://www.eria.org/news-and-views/asean-women-entrepreneurs-are-key-for-the-post-pandemic-recovery/>

<sup>13</sup><https://www.eria.org/publications/availability-of-gender-disaggregated-data-on-the-asean-digital-economy/>; <https://www.eria.org/publications/empowering-women-entrepreneurs-in-eastern-indonesia/>



#### D. Disability and Social Inclusion

The inclusion of persons with disabilities is one of the key priorities for ASEAN. The SPP continued to work on this issue by producing two research project reports:

1) Inclusive Education in ASEAN: Fostering Belonging for Students with Disabilities

This study summarised key national and international frameworks in the ASEAN region that foster awareness and commitments to inclusive education, and provided a country-by-country analysis of the interconnected domains of inclusive education.<sup>14</sup> A dissemination event dedicated to this issue was conducted on 21 July 2022. Adrian Gilbert and Antonella Noya, representatives from the Australian and OECD missions to ASEAN, opened this session.<sup>15</sup>

2) Technology and Disability: Trends and Opportunities in the Digital Economy in ASEAN. This research project report examined the current and potential role of digital technology in fostering the inclusion and economic empowerment of people with disabilities in the ASEAN region. The dissemination event was conducted on 9 February 2023. Kate Goodfruit, the representative of the Australian Mission to ASEAN, delivered the opening remarks.<sup>16</sup>

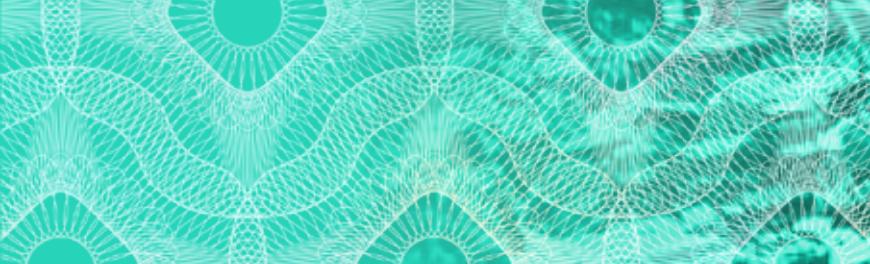
The SPP also became a partner in the establishment of the Neurodiversity at Work Research Centre, the first Southeast Asia hub of inclusion research dedicated to connecting workers with disabilities to meaningful employment. Together with the centre, ERIA will be a partner in conducting evidence-based research whose outputs aim to improve the diversity, equity, and inclusion (DEI) journeys in the region.

<sup>14</sup><https://www.eria.org/publications/inclusive-education-in-asean-fostering-belonging-for-students-with-disabilities/>

<sup>15</sup><https://www.eria.org/news-and-views/inclusive-education-in-asean-fostering-belonging-for-students-with-disabilities/>

<sup>16</sup><https://www.eria.org/news-and-views/discussion-on-technology-disability-trends-opportunities-in-the-digital-economy-in-asean/>





# Annexes

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# Annex A

## Governing Board Members

The Governing Board is the decision-making body of ERIA and consists of the Secretary General of ASEAN and representatives from each of the 16 member countries, all of whom have backgrounds in academia, business, and policymaking.

*Updated as of 25 May 2023*

<b>ASEAN</b>	H.E. Dr Kao Kim Hourn	Secretary-General of ASEAN
<b>Australia</b>	TBD	TBD
<b>Brunei Darussalam</b>	Mr Hairol Nizam Hamid	Acting Director General, Department of Economic Planning and Statistics (DEPS), Ministry of Finance and Economy (MOFE)
<b>Cambodia</b>	H.E. Mr Ros Seilava	Secretary of State, Ministry of Economy and Finance of Cambodia; Member of Supreme National Economic Council (SNEC)
<b>China</b>	Prof Ye Hailin	Vice Dean of National Institute of International Strategy, Chinese Academy of Social Sciences
<b>India</b>	TBD	TBD
<b>Indonesia</b>	Dr Teguh Dartanto	Dean of Faculty of Economics and Business University of Indonesia
<b>Japan</b>	Mr Sadayuki Sakakibara	Executive Advisor to the Ministry of Economy, Trade, and Industry; Former Chairman of Nippon Keidanren (Japan Business Federation)

<b>Rep. of Korea</b>	Mr Tae-Shin Kwon	President, Korea Economic Research Institute (KERI)
<b>Lao PDR</b>	Dr Leeber Leebouapao	Chairman of the Planning, Finance, and Audit Committee, National Assembly of Lao PDR
<b>Malaysia</b>	Prof Tan Sri Dato' Seri Dr Noor Azlan Ghazali	Head of the Economics and Management Cluster at the National Council of Professors; Professor of Economics at Universiti Kebangsaan Malaysia (UKM)-Graduate School of Business; Director of Malaysian Inclusive Development and Advancement Institute (MINDA-UKM).
<b>Myanmar</b>	H.E. Dr Wah Wah Maung	Deputy Minister of the Ministry of Investment and Foreign Economic Relations
<b>New Zealand</b>	Dr Alan Bollard	Professor of Practice at the Wellington School of Business and Government and inaugural Chair for Pacific Region Business, Victoria University of Wellington.
<b>Philippines</b>	Dr Cielito F Habito	Professor of Economics at the Ateneo de Manila University, Chairman of Brain Trust Inc., and Former Secretary (Minister) of Socioeconomic Planning of the Philippines
<b>Singapore</b>	Ambassador Barry Desker	Distinguished Fellow, S. Rajaratnam School of International Studies, Nanyang Technological University
<b>Thailand</b>	Dr Sansern Samalapa	Vice Minister for Commerce of Thailand
<b>Viet Nam</b>	Dr Tran Thi Hong Minh	President, Central Institute for Economic Management (CIEM)

# Annex B

## Academic Advisory Council

The Academic Advisory Council is composed of internationally renowned East Asia Summit countries' scholars and experts from universities, research institutions, the private sector, international organisations and non-governmental organisations.

The council provides advice and support to the Office of the President, in particular:

- Advice on the annual work program plan;
- Review and evaluation of the research outcome; and
- Review and evaluation of the performance of researchers.

*Updated as of 23 May 2023*

<b>Prof Dr Peter Drysdale</b>	Emeritus Professor Crawford School of Public Policy, Australian National University
<b>Mr Pravin Kumar Agarwal</b>	Director of The Energy and Resource Institute, India
<b>Prof Kyoji Fukao</b>	President of The Institute of Developing Economies (IDE) JETRO, Japan
<b>Dr Shankaran Nambiar</b>	Senior Research Fellow and Head, Policy Studies Division, Malaysian Institute of Economic Research, Malaysia
<b>Dr Hank Lim Giok-Hay (Chairman)</b>	Senior Research Fellow of SIIA, Singapore
<b>Prof Gary Richard Hawke</b>	Emeritus Professor, Victoria University of Wellington, and Senior Fellow, NZ Institute of Economic Research, New Zealand
<b>Prof Zhang Yuyan</b>	Director, Professor, Institute of World Economics & Politics, Chinese Academy of Social Sciences (CASS), China

# Annex C

## Research Institutes Network

The Research Institutes Network (RIN) consists of research institutes from 16 East Asia Summit countries. ERIA requests the continued cooperation from RIN in the following areas:

- Support ERIA's research activities by providing ERIA with country information and research findings from individual countries, and by giving advice on ERIA's research themes and policy recommendations;
- Encourage the dissemination of ERIA's research outcomes to policymakers and political leaders who implement policies, as well as to opinion leaders in countries;
- Support ERIA's capacity building programs; and
- While ERIA will seek the best available talent for its research activities, it will look especially for participation from among RIN members.

<b>Australia</b>	Australian National University (ANU)	<a href="http://anu.edu.au">anu.edu.au</a>
<b>Brunei Darussalam</b>	Brunei Darussalam Institute of Policy and Strategic Studies (BDIPSS), Ministry of Foreign Affairs	<a href="http://mfa.gov.bn">mfa.gov.bn</a>
<b>Cambodia</b>	Cambodian Institute for Cooperation and Peace (CICP)	<a href="http://cicp.org.kh">cicp.org.kh</a>
<b>China</b>	National Institute of International Strategy, Chinese Academy of Social Sciences (CASS)	<a href="http://casseng.cssn.cn">casseng.cssn.cn</a>
<b>India</b>	Research and Information System for Developing Countries (RIS)	<a href="http://ris.org.in">ris.org.in</a>
<b>Indonesia</b>	Centre for Strategic and International Studies	<a href="http://csis.or.id">csis.or.id</a>
<b>Japan</b>	Institute of Developing Economies (IDE-JETRO)	<a href="http://ide.go.jp">ide.go.jp</a>
<b>Rep. of Korea</b>	Korea Institute for International Economic Policy (KIEP)	<a href="http://kiep.go.ir">kiep.go.ir</a>

<b>Lao PDR</b>	Lao Academy of Social and Economic Sciences (LASES), Macroeconomic Research Institute (MRI)	-
<b>Malaysia</b>	Institute of Malaysian and International Studies (IKMAS) Malaysia	<a href="http://ukm.my/ikmas">ukm.my/ikmas</a>
<b>Myanmar</b>	Yangon University of Economics (YUE)	<a href="http://yueco.edu.mm">yueco.edu.mm</a>
<b>New Zealand</b>	New Zealand Institute of Economic Research (NZIER)	<a href="http://nzier.org.nz">nzier.org.nz</a>
<b>Philippines</b>	Philippine Institute for Development Studies (PIDS)	<a href="http://pids.gov.ph">pids.gov.ph</a>
<b>Singapore</b>	Singapore Institute of International Affairs (SIIA)	<a href="http://siaonline.org">siaonline.org</a>
<b>Thailand</b>	Thailand Development Research Institute (TDRI)	<a href="http://tdri.or.th">tdri.or.th</a>
<b>Viet Nam</b>	Central Institute for Economic Management (CIEM)	<a href="http://ciem.org.vn">ciem.org.vn</a>

# Annex D

## Energy Research Institutes Network

The Energy Research Institutes Network (ERIN) consists of research institutes from 16 East Asia Summit countries. ERIA requests the ERIN to:

- Support ERIA's energy research activities by providing country information and research findings from individual countries and giving advice on energy research themes and policy recommendations.
- Encourage the dissemination of ERIA's energy research outcomes to policymakers and political leaders who shall implement policies as well as to opinion leaders in member countries.
- Support ERIA's capacity building programme.
- Participate in ERIA energy research activities.

<b>Brunei Darussalam</b>	Universiti Brunei Darussalam (UBD)	ubd.edu.bn
<b>Cambodia</b>	Ministry of Mines and Energy	mme.gov.kh
<b>Indonesia</b>	Indonesian Institute for Energy Economics (IIEE)	iiee.or.id
<b>Lao PDR</b>	National University of Laos (NUOL)	nuol.edu.la
<b>Malaysia</b>	Universiti Tenaga Nasional (UNITEN)	uniten.edu.my
<b>Myanmar</b>	Ministry of Electricity and Energy	moep.gov.mm
<b>Philippines</b>	University of the Philippines Diliman (UP)	up.edu.ph
<b>Singapore</b>	Energy Research Institute (ERI), Nanyang Technological University (NTU)	erian.ntu.edu.sg
<b>Thailand</b>	Energy Research Institute (ERI), Chulalongkorn University (CU)	eri.chula.ac.th
<b>Viet Nam</b>	Institute of Energy (IE), Ministry of Industry and Trade (MOIT)	ievn.com.vn

<b>Australia</b>	Australian National University (ANU)	anu.edu.au
<b>China</b>	Centre for Energy and Environment Policy Research (CEEP), Beijing Institute of Technology (BIT)	ceep.bit.edu.cn
<b>India</b>	The Energy and Resources Institute (TERI)	teri.res.in
<b>Japan</b>	The Institute of Energy Economics, Japan (IEEJ)	eneken.ieej.or.jp
<b>Rep. of Korea</b>	Seoul National University (SNU)	snu.ac.kr
<b>Mongolia</b>	Energy Economics Institute (MEEI), Ministry of Energy (MOE)	meei.energy.gov.mn
<b>New Zealand</b>	The University of Auckland (UoA)	auckland.ac.nz
<b>United States of America</b>	The National Bureau of Asian Research (NBR)	nbr.org

# Annex E

## ERIA Officials, Researchers, Associates, and Staff

### Office Of The President



Hidetoshi Nishimura

President



Tetsuya Watanabe

Special Advisor to  
the President



Anita Prakash

Senior Policy Advisor for  
International Economic  
Cooperation (IEC)



Fusanori Iwasaki

Executive Assistant to the  
President

### Experts



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Chief Economist



Shujiro Urata

Senior Research Advisor  
to the President



Hiroki Nakatani

Senior Advisor to the President  
on Healthcare Service



Jun Arima

Senior Policy Fellow for Energy  
and Environment



Shigeru Kimura

Special Advisor on Energy  
Affairs

## Experts



Koji Fujimoto

Special Advisor to the President  
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Financial Expert and Senior  
Fellow of Healthcare Service



Takuma Kato

Director for Healthcare and  
Long-Term Care Policy



Yoshie Hirose

Director of Healthcare Services



Antonio Fredelindo  
Dela Resma Villanueva

Senior Advisor on Healthcare  
Policy



Lili Yan Ing

Lead Advisor  
(Southeast Asia Region)



Dionisius A. Narjoko

Senior Economist



Fauziah Zen

Senior Economist



Venkatachalam  
Anbumozhi

Director of Research Strategy  
and Innovation



Han Phoumin

Senior Energy Economist



Lurong Chen

Senior Economist



Ikumo Isono

Senior Economist



Doan Thi Thanh Ha

Economist



Keita Oikawa

Economist



Alloysius Joko Purwanto

Energy Economist

## Experts



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Policy Fellow



Intan Murnira Ramli

Policy Fellow



Tran Dong Phuong

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Yoichiro Hatakeyama

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Policy Fellow, Agriculture



Ayako Mizuno

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Hirokazu Kobayashi

Senior Research Fellow



Masahito Ambashi

Research Fellow



Yanfei Li

Research Fellow



Yasushi Ueki

Research Fellow



Rashesh Shrestha

Research Fellow

## Key Staff



Koji Hachiyama

Chief Operating Officer, Director General of Administration, Personnel, & Outreach Depts.



Toru Furuichi

Director General for Research and Policy Design Administration



Daisuke Tsukao

Deputy Director General for ASEAN and East Asian Affairs



Sumie Hoshide

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Lydia Ruddy

Director of Communications



Stefan Wesiak

Chief Editor and Publication Director

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Research Associate



Siti Mustaqimatud  
Diyannah

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Ellen Putri Edita

Research Associate



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Rochman

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Irene Juitania

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Ashri Nadia

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Fadriani Trianingsih

Editorial and Publication  
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Amelia Litania

Programme Officer



Putti Ananda Hiswi

Coordinating Officer



Annisa Nadhilah Utoro

Coordinating Officer



Elsa Noviani

Knowledge Management  
Associate for RKC-MPD

# Annex F

## Summit Statements in FY2022

### Chairman's statement of THE 26th MEETING OF ASEAN TOURISM MINISTERS

Yogyakarta, 4 February 2023

#### Enhanced Capability Building of ASEAN Tourism Professionals

12. **The Meeting also noted the completion of the Comprehensive Study on the Implementation of the MRA-TP: Enhanced Mechanism for Tourism Professionals by the Economic Research Institute for ASEAN and East Asia (ERIA)** in November 2022 and encouraged the ASEAN Member States to review the recommendations raised in the Study.

#### Enhancing Responsible, Sustainable and Inclusive Tourism Development

13. **The Meeting commended the work related to the Study to Develop a Framework on Sustainable Tourism Development in ASEAN in the Post COVID-19 Era, with the support by ERIA**, which was endorsed by the ASEAN Tourism Ministers and included as one of the Priority Economic Deliverables (PEDs) under the ASEAN Tourism Chairmanship in 2022. The Meeting encouraged the ASEAN National Tourism Organisations to review the framework and deliberate on the recommendations, so as to identify priorities in this Framework to guide the industry towards a more sustainable tourism pathway. The Meeting noted that this would support the implementation of the Phnom Penh Declaration on a More Sustainable, Inclusive, and Resilient ASEAN Tourism.

### G20 BALI LEADERS' DECLARATION

Bali, 15-16 November 2022

#### Enhanced Capability Building of ASEAN Tourism Professionals

We thank international organizations, including the UN and its Specialised Agencies, World Bank Group, IMF, OECD, Asian Development Bank, **ERIA**, CEPI, European Investment Bank, GGGI, ICAO, IEA, IEF, IFAD, ILO, IRENA, FAO, FSB, Gavi, Global Fund, IAEA, Islamic Development Bank, ITU, Medicine Patent Pool, Sustainable Energy for All (SEforAll), OPEC, WEF, WFP, WHO, WTO, UNCCD, UNCTAD, UNDESA, UNDP, UNECE, UNESCAP, UNESCO, UNFCCC, UN Global Pulse, UN Habitat, UNICEF, UNIDO, UNOPS, UN Women, UNWTO and the G20 Engagement Groups (W20, L20, T20, S20, Y20, SAI20, P20, C20, B20, U20) for their valuable inputs and policy recommendations.

## CHAIRMAN'S STATEMENT OF THE 17<sup>TH</sup> EAST ASIA SUMMIT

13 November 2022

### Environment and Energy

14. We recognised deliverables under EAS energy cooperation including the resumption of energy audits for distributed energy systems, as well as the **findings and implications of the Joint Research with the Economic Research Institute for ASEAN and East Asia (ERIA) on the “Analysis of EAS Future Mobility Fuel Scenario Considering the Sustainable Use of Biofuels and Other Alternative Vehicle Fuels”**. We noted the successful organization of the 5th EAS Clean Energy Forum with the topic “Boosting Green Recovery with High Proportion of Renewable Energy” on 25–26 November 2021 via videoconference. We noted the progress of the capacity-building activities and knowledge-sharing conferences to promote CCUS and carbon recycling, including the organisation of the 2nd Asia CCUS Network Forum in September 2022. **We noted the contributions of ERIA towards energy policy research activities in the EAS region through the implementation of the rolling 3-year Roadmap on EAS Mid-Term Energy Policy Research for 2021–2023**, including the voluntary scenario analyses on the ASEAN Carbon Neutrality Scenario conducted with the Institute of Energy Economics of Japan. We also noted the successful convening of the 5th East Asia Energy Forum (EAEF) and its Phnom Penh Reflections on ASEAN's Challenges on Carbon-Neutrality and Energy Security, which was co-organised by ERIA and Cambodia on 12th September 2022 in a hybrid format.

### Economic Cooperation and Trade

32. We commended **ERIA for its continued research and analysis on key regional economic issues that support economic integration, digital transformation, and sustainable economic development in the region, including the publication of its study on “Comprehensive Asia Development Plan 3.0 (CADP 3.0)”**. We welcomed the report of the **15th ERIA Governing Board Meeting held on 2nd June 2022, which highlighted the strategies for establishing a more integrated, innovative, inclusive and sustainable economy in ASEAN and East Asia by promoting physical and digital connectivity in the region**. We encouraged ERIA to continue providing support for the Chair of the ASEAN Summits and the EAS through targeted high-quality research and actionable policy recommendations, as exemplified through ERIA's paper on “East Asia Post Pandemic – An Integrative, Innovative, Inclusive, and Sustainable Region through Digitalisation” which was presented to EAS Economic Ministers. We welcomed the establishment of the Centre for Digital Innovation and Sustainable Economy in ERIA, which will help to strengthen and deepen its research capabilities on innovative and sustainable solutions in ASEAN and the East Asia region.

33. We stressed the importance of continuing to leverage digitalisation and incorporating sustainability in the region's responses to achieve an inclusive and durable post-pandemic recovery. **In this connection, we noted ERIA's paper on "East Asia Post Pandemic – An Integrative, Innovative, Inclusive, and Sustainable Region through Digitalisation"**, which recommends the need to realise a digitalized EAS region underpinned by four pillars: integration, innovation, inclusiveness, and sustainability to enable the region to respond quickly and effectively to future economic crises and to minimise the impact of such crises on the region. We acknowledged the importance of harnessing full potential of data and the opportunities of the digital economy, including the importance of facilitating data free flow with trust for development of the digital economy, which strengthens consumer and business trust and supporting ongoing negotiations on electronic commerce at the WTO.

#### CHAIRMAN'S STATEMENT OF 2nd ASEAN GLOBAL DIALOGUE: POST-COVID-19 COMPREHENSIVE RECOVERY

Phnom Penh, 13 November 2022

1. The 2nd ASEAN Global Dialogue: Post-COVID-19 Comprehensive Recovery was held in Phnom Penh, Cambodia on 13 November 2022. The Dialogue was Chaired by Samdech Akka Moha Sena Padei Techo Hun Sen, Prime Minister of the Kingdom of Cambodia, and attended by Heads of State/Government of ASEAN Member States, ASEAN Dialogue Partners, and leaders of international organizations including the World Economic Forum (WEF), International Monetary Fund (IMF), Asian Development Bank (ADB), Economic Research Institute for ASEAN and East Asia (ERIA), United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and the World Bank (WB).

#### CHAIRMAN'S STATEMENT OF THE 25 TH ASEAN JAPAN SUMMIT

Phnom Penh, 12 November 2022

14. We commended the **Economic Research Institute for ASEAN and East Asia (ERIA) for its continued research and analysis of key regional economic issues that support economic integration.** We welcomed the study by the ERIA on advancing a comprehensive ASEAN-Japan economic partnership in the light of structural reforms, emerging new issues, and the post-COVID-19 growth agenda in ASEAN and Japan. We also acknowledged the contribution of Japan to ERIA, which continued to support ASEAN economic integration agenda and promote effective policy making in the region, including Japan's cooperation toward the realisation of the **establishment of the Centre for Digital Innovation and Sustainable Economy in ERIA**, and expressed appreciation for Japan's continuous support in strengthening bilateral trade and investment flows and looked forward to stronger cooperation between ASEAN and Japan for the next decades.

## CHAIRMAN'S STATEMENT OF THE 25 TH ASEAN PLUS THREE SUMMIT

Phnom Penh, 12 November 2022

18. We welcomed the progress of the **first ASEAN Plus Three Research Project for Closing the Digital Divide in MSMEs undertaken by the Economic Research Institute for ASEAN and East Asia (ERIA) and the ASEAN Secretariat**. The initiative highlights the importance of digital tools and solutions in narrowing the gaps in infrastructure connectivity, access to market, digital skills, and financing capabilities of MSMEs. We underscored the critical role of digitalisation in the APT region's post-pandemic economic recovery, particularly in building the resilience of MSMEs by enabling them to develop digital start-ups and adopt digital solutions for innovation and entrepreneurship.

26. We noted the successful convening of the 13th ASEAN Connectivity Symposium, **with support from the Economic Research Institute for ASEAN and East Asia (ERIA)**, and the ASEAN Connectivity Coordinating Committee (ACCC) Consultations with Dialogue Partners and Other External Partners on Connectivity, on 3 and 4 October 2022, respectively.

32. We reiterated the commitment to advance cooperation in promoting sustainable, inclusive and innovative development, as well as in strengthening cooperation with all stakeholders, including the private sector, to achieve the United Nations Sustainable Development Goals (SDGs). We supported ASEAN's efforts in narrowing the development gap and promoting sustainable and equitable development across the ASEAN Community including through aligning sub-regional growth with the comprehensive development of ASEAN. We reaffirmed our commitment to forge closer cooperation in poverty alleviation and welcomed the continued progress of the East Asia Poverty Reduction Cooperation Initiative. We called for the development of collaborative projects to protect and conserve the environment and biodiversity; promote sustainable use of natural resources, including water resource management and sustainable development of mineral resources, and to address the impact of climate change and the issue of marine plastic debris. In this regard, we welcomed the continuous contribution of the Plus Three countries to reduce marine debris through the ASEAN Plus Three Marine Plastic Debris Cooperative Action Initiative. **We welcomed in particular activities of the Regional Knowledge Centre for Marine Plastic Debris (RKC-MPD) of the Economic Research Institute for ASEAN and East Asia (ERIA) to address the marine plastic issue, as well as collective efforts towards the achievement of Sustainable Consumption and Production (SCP)**. We encouraged the activities of the Private Sector Platform by RKC-MPD to promote the collaboration between policymakers and business sectors to tackle the marine plastic issue.

**CHAIRMAN'S STATEMENT OF THE 40TH and 41ST ASEAN SUMMITS**

Phnom Penh, 11 November 2022

## ASEAN ECONOMIC COMMUNITY

68. **We noted the achievements in accomplishing Cambodia's Priority Economic Deliverables for 2022, aided by the Economic Research Institute for ASEAN and East Asia (ERIA)** which include: (i) the Work Programme to Support the Implementation of the Framework for Circular Economy for the ASEAN Economic Community; (ii) the Development of the ASEAN Guidelines on Sustainable Agriculture; (iii) the Launch of ATIGA Upgrade Negotiations; (iv) the Framework on Sustainable Tourism Development in ASEAN in Post COVID-19 Era; (v) the Development of the Work Plan for the Implementation of the ASEAN Framework for Equitable Economic Development (AFEED); and (vi) the Comprehensive Study on the Implementation of Mutual Recognition Arrangements for Tourism Professional (MRA-TP): Enhanced Mechanism for Tourism Professionals.

## ASEAN SOCIO-CULTURAL COMMUNITY

73. We commended the **contribution of the Economic Research Institute for ASEAN and East Asia (ERIA) to Cambodia's ASCC Chairmanship, in particular its support to the development of 13 priority ASCC deliverables**. We also appreciated ERIA's assistance and support for research including on Learning Loss in Reading and Mathematics at Primary School Level during the Pandemic in Lower Mekong Countries, and workshops that contributed to ASEAN outcome documents under the ASCC, including the ASEAN Declaration on Fostering ASEAN Identity through the Safeguarding of Traditional Sports and Games in the Modern World and the ASEAN Declaration on Leveraging the Role of Sports in ASEAN Community Building and Achieving the SDGs.

79. We acknowledged the socio-economic value of sports in improving physical and mental health, well-being, and leveraging the role of sports in ASEAN Community-building and achieving the Sustainable Development Goals. In this regard, we are pleased to adopt the ASEAN Declaration on Leveraging the Role of Sports in ASEAN Community Building and Achieving the SDGs and the ASEAN Declaration on Fostering ASEAN Identity through the Safeguarding of Traditional Sports and Games (TSG) in the Modern World. **We noted with appreciation the support of experts from the Economic Research Institute for ASEAN and East Asia (ERIA), UNESCO, and the Commonwealth Secretariat** in the development of both Declarations, including the ongoing Research Study on the Preservation of TSG.

## G20 TRADE, INVESTMENT AND INDUSTRY MINISTERS MEETING

G20 CHAIR'S SUMMARY

Bali, 22-23 September 2022

### WAY FORWARD

27. We thank WTO, UNESCAP, OECD, World Bank, UNCTAD, UNIDO, IMF, WHO, ITC, IsDB and **ERIA for their valuable contributions in our discussions and welcome further analysis to support the G20's work on trade, investment, together with trade-related industry matters moving forward.**

## THE TWENTY-EIGHTH ASEAN SOCIO-CULTURAL COMMUNITY (ASCC) COUNCIL

JOINT STATEMENT

Phnom Penh, 13 October 2022

17. **The Meeting commended the Economic Research Institute for ASEAN and East Asia (ERIA) for supporting the Cambodia ASEAN Chairmanship** and delivering a number of side events under the ASEAN Socio-Cultural Community.

## THE TWELFTH ASEAN EDUCATION MINISTERS MEETING

JOINT STATEMENT

Ha Noi, 13 October 2022

6. **We commend Cambodia, with support from ERIA, for their leadership in conducting the ongoing study on student learning loss in reading and mathematics at primary schools during the COVID-19.** This will result in strategic guidance to address the learning crises and the need for human resource development in ASEAN.

## THE TWENTY-EIGHTH AEM – METI CONSULTATION

JOINT MEDIA STATEMENT

Siam Reap, 17 September 2022

8. Reaffirming the need for ASEAN and Japan to further enhance cooperation for an inclusive, resilient, and sustainable future, the Meeting **welcomed the study by the Economic Research Institute for ASEAN and East Asia (ERIA) on advancing a comprehensive ASEAN-Japan economic partnership in the light of structural reforms, emerging new issues, and the post-COVID-19 growth agenda in ASEAN and Japan.** The Meeting acknowledged the contribution of Japan to ERIA, which continued to support ASEAN economic integration agenda and promote effective policy making in the region. and expressed appreciation for Japan's continuous support in strengthening bilateral trade and investment flows and looked forward to stronger cooperation between ASEAN and Japan for the next decades.

## THE TENTH EAS ECONOMIC MINISTERS' MEETING

ASEAN MEDIA STATEMENT

Siam Reap, 17 September 2022

8. **The Meeting commended the Economic Research Institute for ASEAN and East Asia (ERIA) for its continuous research support which contributes to efforts in strengthening regional economic integration.** The Meeting noted ERIA's paper on "East Asia Post Pandemic – An Integrative, Innovative, Inclusive, and Sustainable Region through Digitalisation", which aims to enable the region to respond quickly and effectively to future shocks and to minimise the impact of such shocks on the region. The Meeting welcomed ERIA to continue supporting the EAS process through its research, including the Study on "Comprehensive Asia Development Plan 3.0 (CADP 3.0).

## THE TWENTY-FIFTH AEM PLUS THREE CONSULTATION

JOINT MEDIA STATEMENT

Siam Reap, 17 September 2022

6. **The Meeting welcomed the ASEAN Plus Three Research Project for Closing the Digital Divide in MSMEs undertaken by the Economic Research Institute for ASEAN and East Asia (ERIA) and the ASEAN Secretariat.** The initiative highlights the importance of digital tools and solutions in narrowing the gaps in infrastructure connectivity, access to market, digital skills, and financing capabilities of MSMEs. In welcoming the study, the Meeting underscored the critical role of digitalisation in the APT region's post-pandemic economic recovery, particularly in building the resilience of MSMEs by enabling them to develop digital start-ups and adopt digital solutions for innovation and entrepreneurship.

## THE 16th EAST ASIA SUMMIT ENERGY MINISTERS MEETING

JOINT MINISTERIAL STATEMENT

Online meeting, 16 September 2022

7. On the 'Energy Efficiency and Conservation' work stream, the Meeting appreciated the resumption of energy audits by Japan which were previously paused due to the global health pandemic and looked forward to the findings and lessons learned from the latest audit candidate by March 2023. **The Meeting noted the findings of the EAS Energy Saving Potential and Outlook prepared by the Economic Research Institute for ASEAN and East Asia (ERIA),** including the generation of 'Low-Carbon Energy Transition-Carbon Neutral (LCET-CN) scenarios' and the implications for energy and technology choices in EAS countries across the power and final energy consumption sectors.

8. On the 'Biofuels for Transport and Other Purposes' work stream, the **Meeting noted the publication of the Joint ERIA study in December 2021 on the 'Analysis of EAS Future Mobility Fuel Scenario, Considering the Sustainable Use of Biofuels and Other Alternative Vehicle Fuels'**. The Meeting looked forward to the findings and implications of (i) evaluating 'Well-to-Wheel' CO<sub>2</sub> emissions when using biofuels in India, Indonesia, Malaysia, Philippines, Thailand, and Vietnam; (ii) assessing the minerals demand and related emissions that underpin mobility electrification; and (iii) the analysis of mobility scenarios for EAS countries considering synergies between biofuel use and electric vehicle output.

11. **The Meeting appreciated the contributions of ERIA towards energy policy research activities in the EAS region through the implementation of the rolling 3-year Roadmap on EAS Mid-Term Energy Policy Research for 2021-2023, including the voluntary scenario analyses on the ASEAN Carbon Neutrality Scenario conducted with the Institute of Energy Economics of Japan.** The Meeting also welcomed the successful convening of the 5<sup>th</sup> East Asia Energy Forum (EAEF5) and its Phnom Penh Reflections focusing on ASEAN's challenges on carbon neutrality and energy security on 12 September 2022 organised by ERIA and Cambodia.

## THE 54th ASEAN ECONOMIC MINISTERS' (AEM) MEETING

### JOINT MEDIA STATEMENT

Siam Reap, 13-15 September 2022

#### Trade Facilitation

16. **The Meeting noted the completion of the "Follow-up Study of the ASEAN Seamless Trade Facilitation Indicators (ASTFI II)" with the support of the Economic Research Institute for ASEAN and East Asia (ERIA)** and also noted that its public version will be published in the first quarter of 2023 to raise the public's awareness of ASEAN's trade facilitation initiatives.

#### Collaborating with Development Partners

55. **Economic Research Institute for ASEAN and East Asia (ERIA). The Meeting expressed appreciation to ERIA for its continued support to the ASEAN economic integration and AEC-building efforts, particularly in delivering the Priority Economic Deliverables under the Cambodia Chairmanship in 2022**, which include: (i) the Work Programme to Support the Implementation of the Framework for Circular Economy for the ASEAN Economic Community; (ii) the Development of the ASEAN Guidelines on Sustainable Agriculture; (iii) the Launch of ASEAN Trade in Goods Agreement (ATIGA) Upgrade Negotiations; (iv) the Development of the Work Plan for the Implementation of the ASEAN Framework for Equitable Economic Development (AFEED); (v) the Final 13 Framework on Sustainable Tourism Development in ASEAN in Post COVID-19 Era; and (vi) the Comprehensive Study on the Implementation of Mutual Recognition Arrangements for Tourism Professional (MRA-TP): Enhanced Mechanism for Tourism Professionals.

56. **The Meeting also acknowledged ERIA's research activities and studies to contribute to the implementation of many ASEAN initiatives in various areas of regional economic integration**, including: (i) the completion of the 2<sup>nd</sup> Study on ASEAN Seamless Trade Facilitation Indicators (ASTFI II); (ii) the Implementation Plan of Framework for Circular Economy (FCE) for the AEC; (iii) the publication of the ASEAN Handbook on Good Regulatory Practices; (iv) the study on the supply and demand of professional services in ASEAN which includes how to enhance the level of interaction and mobility of ASEAN professional services due to the evolving services trade landscape; (v) transposition of the schedules of commitments from the positive listing approach into the negative listing approach under the ATISA; and (vi) the development of a training programme for ASEAN professionals (e.g., engineers, architects, accountants, and surveyors) to integrate the knowledge on the 4IR based on ASEAN Consolidated Strategy on 4IR, in the way they supply their services. The Meeting further acknowledged ERIA's capacity-building programme and expressed its appreciation for the assistance given to CLM particularly with regard to implementing their RCEP commitments, e.g., rules of origin and transposition of tariff reduction schedules.

## THE ASEAN POST MINISTERIAL CONFERENCE (PMC) 10+1 SESSIONS WITH THE DIALOGUE PARTNERS AND TRILATERAL MEETINGS

### CHAIRMAN'S STATEMENT

Phnom Penh, 3-4 August 2022

Australia

23. The Meeting noted the significant contribution of the ASEAN-Australia Development Cooperation Program Phase II (AADCP II) to the ASEAN's Community-building process. The Meeting appreciated Australia's commitment in supporting ASEAN's efforts to deepen regional economic integration and looked forward to the AUD80 million successor Australia for ASEAN Futures - Economic Connectivity program ECON, which would commence in late 2022. The Meeting also looked forward to furthering cooperation between ASEAN and Australia on connectivity and narrowing the development gap, including through support for the implementation of the Master Plan on ASEAN Connectivity (MPAC) 2025 and the Initiative for ASEAN Integration (IAI) Work Plan IV (2021- 2025), as well as on the ASEAN Smart Cities Network (ASCN) through the ASEAN-Australia Smart Cities Trust Fund. The Meeting welcomed further ASEAN-Australia cooperation on digital economy and digital standards through the AUD5 million ASEAN-Australia Digital Standards Initiative. **The Meeting noted Australia's AUD5 million in support to the Economic Research Institute for ASEAN and East Asia (ERIA), and the AUD1 million in support for ASEAN Fall Armyworm Action Plan to reduce crop losses.** The Meeting noted the AUD 232 million Mekong-Australia Partnership to promote sustainable water resources management, further scholarship opportunities and strengthen technology capabilities to support economic integration and development in the Mekong sub-region.

## THE 12 TH EAST ASIA SUMMIT (EAS) FOREIGN MINISTERS' MEETING

### CHAIRMAN'S STATEMENT

Phnom Penh, 5 August 2022

Areas of Cooperation

Environment and Energy

13. **The Meeting recognised deliverables under EAS energy cooperation completed in 2021 include the Report of the Joint Research with ERIA on the "Analysis of EAS Future Mobility Fuel Scenario Considering the Sustainable Use of Biofuels and Other Alternative Vehicle Fuels"**, conduct of the Webinar on "Floating Solar in ASEAN: Outlook, Policies, Opportunities and Challenges" on 26 August 2021 and the 5th EAS Clean Energy Forum with the topic "Boosting Green Recovery with High Proportion of Renewable Energy" on 25-26 November 2021 via videoconference, and the EAS New Energy Forum held on 20 October 2021 via videoconference.

## PLAN OF ACTION TO IMPLEMENT THE ASEAN-AUSTRALIA STRATEGIC PARTNERSHIP (2020-2024)

Phnom Penh, 4 August 2022

2.2. Regional Economic Integration

2.2.5. Collaborate, where appropriate, **with the Economic Research Institute for ASEAN and East Asia (ERIA) to orient its policies and research activities towards the priorities and concerns of ASEAN and Australia as well as other EAS Participating Countries**

## ASEAN PLUS THREE COOPERATION WORK PLAN 2023 – 2027

Phnom Penh, 4 August 2022

III. SOCIO-CULTURAL COOPERATION

3.1 Protect and conserve the environment and promote the conservation and sustainable use of biodiversity and natural resources through:

(a) Closer cooperation in the following areas:

(iii) **Support ASEAN Plus Three Marine Plastic Debris Cooperative Page 14 of 26 Action Initiative, particularly activities of the Regional Knowledge Centre for Marine Plastic Debris (RKC-MPD) of the Economic Research Institute for ASEAN and East Asia (ERIA) to address marine plastic issues in complementarity with the ASEAN Regional Action Plan for Combating Marine Debris (2021 – 2025);**

## PLAN OF ACTION TO IMPLEMENT THE ASEAN-CHINA STRATEGIC PARTNERSHIP FOR PEACE AND PROSPERITY (2021 – 2025)

Phnom Penh, 4 August 2022

### 3. SOCIAL AND CULTURAL COOPERATION

#### 3.9 Promote people-to-people exchanges through:

(e) Promoting common interests in East Asia and cope with common challenges through the East Asia Forum, Network of East Asia Think Tanks (NEAT), Network of ASEAN-China Think-tanks (NACT), **Economic Research Institute for ASEAN and East Asia (ERIA)**, and other mechanisms.

# Annex G-1

## List of Outreach Activities of ERIA Researchers

Researcher	Publications
<b>Fukunari Kimura</b> (Chief Economist)	'How Far Has India Integrated with East Asian Economies? Evidence from International Trade Data', with Mitsuyo Ando and Kenta Yamanouchi, <i>Journal of Southeast Asian Economies</i> , ISEAS - Yusof Ishak Institute, vol. 39 No.3, [December 2022]
	'Robustness and Resilience of Supply Chains During the COVID-19 Pandemic', with Yasuyuki Todo, Keita Oikawa, Masahito Ambashi, <i>The World Economy</i> pp.1-27. [29 November 2022]
	<i>Revisiting Electricity Market Reforms: Lessons for ASEAN and East Asia</i> , edited with Han Phoumin, Rabindra Nepal, Gazi Salah Uddin, Farhad Taghizadeh-Hesary, Singapore: Springer, [September 2022]
	OP ED: 'Re-invigorating the International Trade System', <i>East Asia Forum</i> [8 September 2022]
	'Chapter 12: How to Be Smart: Leveraging Digital FDI to Address Risk Through Growing Capacity and Competitiveness', with Matthew Stephenson, Lorraine Eden, Michael Kende, Karl P. Sauvart, Niraja Srinivasan, Lucia Tajoli and James Zhan in <i>Progress in International Business Research Volume 16, International Business in Times of Crisis</i> , Emerald Publishing, pp. 193-252.
	'East Asian Production Networks Go Beyond the Gravity Prediction', with Mitsuyo Ando and Kenta Yamanouchi. <i>Asian Economic Papers</i> , Vol.21 Issue 2: 78-101, [May 2022]
	'Effects of Product-Specific Rules of Origin on Trade in Free Trade Agreements: Evidence from the cases of Japan', with Mitsuyo Ando and Kenta Yamanouchi, <i>Discussion Paper Series 22-E-035, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]
	'Impacts of Increased Chinese Imports on Japan's Labor Market: Firm and regional aspects', with Kazunobu Hayakawa and Tadashi Ito, <i>Discussion Paper Series 22-E-037, The Research Institute of Economy Trade and Industry (RIETI)</i> , [April 2022]
	'Impact of International Investment Agreements on Japanese FDI: A Firm-level Analysis', with Youngmin Baek, <i>Discussion Paper Series 22-E-038, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]
	'Import Competition from China and Markup Dispersion', with Kazunobu Hayakawa and Kenta Yamanouchi, <i>Discussion Papers 22031, Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]
'Using truck probe data to measure border clearance time: evidence from thailand', with Kazunobu Hayakawa and Souknilanh Keola, <i>IDE Discussion Papers 846, Institute of Developing Economies, Japan External Trade Organization (JETRO)</i> , [March 2022]	
'Impacts of Firm GVC Participation on Productivity: A Case of Japanese Firms', with Youngmin Baek (Fukuyama University), <i>Discussion Paper Series 22-E-021, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [March 2022]	

Researcher	Publications
<b>Shujiro Urata</b> (Senior Research Advisor)	<i>Sustainable Development Disciplines for Humanity</i> , with Kazuo Kuroda and Yoshiko Tonegawa, Springer, [December 2022]
	<i>Sustainable Development Disciplines for Society</i> , with Ken-Ichi Akao and Ayu Washizu, Springer, Singapore, [December 2022]
	'Impacts of firm's GVC participation on productivity: A case of Japanese firms', with Youngmin Baek <i>Journal of the Japanese and International Economies</i> , vol. 66, [December 2022]
	'Robustness and Resilience of Supply Chains During the COVID-19 Pandemic', with Yasuyuki Todo, Keita Oikawa, Masahito Ambashi, and Fukunari Kimura, <i>The World Economy</i> , [29 November 2022]
	'How effective was the restaurant restraining order against COVID-19? A nighttime light study in Japan', with Kazunobu Hayakawa and Souknilanh Keola, <i>Japan and the World Economy</i> , vol. 63, [September 2022]
	Op Ed, 'Re-invigorating the International Trade System', <i>East Asia Forum</i> , [8 September 2022]
	'Trade-Investment Nexus and Economic Growth in East Asia', in edited by K.Akao, and A.Washizu. <i>Sustainable Discipline for Society</i> , Springer, Singapore, pp. 181-199.
	Effects of Product-Specific Rules of Origin on Trade in Free Trade Agreements: Evidence from the cases of Japan', with Mitsuyo Ando and Kenta Yamanouchi, <i>Discussion Paper Series 22-E-035, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]
	'Impacts of Increased Chinese Imports on Japan's Labor Market: Firm and Regional Aspects', with Kazunobu Hayakawa and Tadashi Ito. <i>Discussion Paper Series 22-E-037, The Research Institute of Economy Trade and Industry (RIETI)</i> , [April 2022]
	'Impact of International Investment Agreements on Japanese FDI: A Firm-level Analysis', with Youngmin Baek, <i>Discussion Paper Series 22-E-038, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]
'Import Competition from China and Markup Dispersion', with Kazunobu Hayakawa and Kenta Yamanouchi, <i>Discussion Papers 22031, Research Institute of Economy, Trade and Industry (RIETI)</i> , [April 2022]	
'Using truck probe data to measure border clearance time: evidence from thailand', with Kazunobu Hayakawa and Souknilanh Keola, <i>IDE Discussion Papers 846</i> , Institute of Developing Economies, Japan External Trade Organization (JETRO), [March 2022]	
'Impacts of Firm GVC Participation on Productivity: A Case of Japanese Firms', with Youngmin Baek (Fukuyama University), <i>Discussion Paper Series 22-E-021, The Research Institute of Economy, Trade and Industry (RIETI)</i> , [March 2022]	
<b>Jun Arima</b> (Senior Policy Fellow for Energy and Environment)	'Balancing Geopolitics and Energy Security with Decarbonization', <i>East Asia Forum</i> , [16 September 2022]
	'COP26 Assessment and Challenges', <i>Centre for Economic Policy Research</i> , [22 January 2022]

Researcher	Publications
Venkatachalam Anbumozhi	'ASEAN Think Tanks: Relevance in Turbulent Times', (2023), with L. Ruddy and F. Zen, in Buchoud N.J. A., R. Akbar, R. M. Qibthiyah, and B. Altansukh (eds.), <i>A World in Crisis, a World in Progress: Growing Better Together</i> , Tokyo: Asian Development Bank Institute, pp. 48-54 [March 2023]
	Op Ed: 'What to Expect From India's G-20 Presidency', <i>Brink News</i> , [1 March 2023]
	Op Ed: 'What to Expect with India Helming G20', <i>Bangkok Post</i> , [5 January 2023]
	'Powering Indonesia's Low Carbon Energy Transition. Special Issue on Green and Low-Carbon Development and Cooperation in Power Sector under the Belt and Road Initiative (BRI)', (2023), <i>Journal of Chinese Academy of Social Sciences</i> , pp. 12-29.
	'Decarbonising the Global South: Energy Transition Imperatives and Priorities for India's G20 Presidency', in R D Souza, Si Jain, P Lourdes (eds.), <i>G20 in 2023: Priorities for Indian Presidency</i> , New Delhi: ORF and Global Policy Journal, Wiley, pp. 29-37.
	'Decarbonizing the Transport Sector through Electrification and Biofuel Use in Emerging Economies of Asia' with Citra Endah Setyawati and Rafi Aquary in <i>Climate Change Mitigation: Policies and Lessons for Asia</i> , edited by Azhgaliyeva, D. and D.B. Rahut, Tokyo: ADBI, pp. 163-202.
	<i>Dealing with Climate Change: Enhanced Opportunities for India-ASEAN's Transition towards Net-Zero Economy (2022)</i> , PW Publisher New Delhi.
	'Decarbonizing the Global South: Energy Transition Imperatives and Priorities for India's G20 Presidency', <i>Global Policy-ORF Journal (2023)</i> , Vol 4 (5), pp.12-27.
	'Smart and Green Recovery from the Pandemic', <i>Global Solutions Journal</i> , Issue (8), pp.46-56.
	Op Ed: 'From Climate Negotiations to Actions: Will COP27 be a turning point?', <i>GMA News Online</i> and <i>Daily Guardian</i> , [4 November and 17 November 2022]
	Op Ed: 'India Has Become a Major Player in Low-Orbit Space', <i>BRINK – Conversations and Insights on Global Business</i> , [2 November 2022]
	'Embedding the Circular Economy in Global Value Chains: Strategies and Frameworks for a Just and Effective Transition', with Kirana Agustina, Romadhani Ardi, Nicolas Buchoud, Miliando Chakrabarti, Alexander Charalambous, Alex Godoy-Faundez, Yasuhiko Hotta, Martin Kochhan, Konstantinos Karampourniotis, Rainer Lanz, Vesna Lavtizar, Hemant Mallya, Nam Hoang Nguyen, Shuva Raha, Victor Stolzenburg, Cecilia Wandiga, <i>G20 Insights</i> , [29 October 2022]
'Reframing of Global Strategies and Regional Cooperation Pathways for an Inclusive Net-Zero Strategy in the Energy Transition Framework', with Fachry Abdul Razak Afifi, Alloysius Joko Purwanto, Dian Lutfiana, Citra Endah Nur Setyawati, et al., <i>T20 Indonesia. Task Force 3- Policy Brief</i>	
'Digital Transformation of Agri-Food System: Policy Pathways for Greater Socio-Economic Inclusion, Sustainability, and International Cooperation', with Suresh Babu, Carlos Andrea Bollino, Siti Mustaimatud Dinayah, Vyta W. Hanifah, Syarif Hidayat, Masanori Kozono, Amit Kumar, Agus Eko Nigroho, Risti, PERmani, Sahara Sahara, Mat Syukur, and Irwanda W. Wardhana. <i>G20 Insight/T20 Indonesia Policy Brief TF 4: Food Security and Sustainable Agriculture</i> , [30 August 2022]	

Researcher	Publications
	<p>'Smart Cities, Standardization and DX Challenge for Digital Government', with Arry Akhmad Arman, Hendra Sandhi Firmansyah, Irma Rizkia, Santi Novani, Suhono Harso Supangkat and Toshio Obi, <i>G20 Insight</i>, [31 August 2022]</p> <p>Op Ed: 'Soaring Energy Prices Stunt Decarbonisation in the Indian Power Sector', <i>East Asia Forum</i>, [12 August 2022]</p> <p>'The Impact of Global COVID-19 Crisis on SDGs Achievement in ASEAN-Countries', with Komarulzaman A., Z. Anna, A. A. Yusuf, (2022), in Anbumozhi et al. (ed.), <i>Sustainable Development Goals and Pandemic Planning: Role of Efficiency Based approaches</i>, ERIA-Springer, pp. 27-113.</p> <p>'Geo-Economic Importance Index for Doubling the Efforts by 2030', with K. Kalirajan, K. Zaman (2022) in Anbumozhi et al. (ed.), <i>Sustainable Development Goals and Pandemic Planning: Role of Efficiency Based Approaches</i>, ERIA-Springer, pp. 479-503.</p> <p>'Building Private Sector Engagement Strategy and Monitoring Changes at the Corporate Level: Study of Corporate Disclosures on SDGs', with H. Shekhar and P. D. Jose, (2022), in Anbumozhi et al. (ed.) <i>Sustainable Development Goals and Pandemic Planning: Role of Efficiency Based approaches</i>. ERIA-Springer, pp. 629-652.</p> <p><i>Sustainable Development Goals and Pandemic Planning: Role of Efficiency based approaches</i> with Kaliappa Kalirajan and Fukunari Kimura (eds.), ERIA-Springer, [14 June 2022]</p> <p>'Multi-country SDGs Indicator Projections Involving Impacts of Economic Shocks: A protocol applied to the COVID-19 pandemic for ASEAN-5 countries', with Ahmad Komarulzaman, Zuzy Anna, Arief Anshory Yusuf. <i>Method Article, Elsevier. Methods X</i>, Volume 9, [June 2022].</p> <p>'Free Trade Agreements and Circular Supply Chain in the Asia-Pacific', <i>Intersecting</i>, Vol. 08, (2022), pp.206-344, [June 2022]</p> <p>'Carbon Markets and Financial Mechanisms for Sustainable Agriculture', (2022), with N. Balasubramani and Vincent A., <i>Journal of Agricultural Extension Management</i>, Vol. XXIII No. 2, pp. 49-70.</p> <p>'Reconciling Carbon Pricing, Competitiveness and (EU) Carbon Border Adjustment Mechanisms in Asia', in <i>KAS Germany</i>, pp. 102-131, (article is in German), [June 2022]</p> <p>Op Ed: 'How the Ukraine Conflict is Impacting India's Economy', <i>Brink News</i>, [11 May 2022]</p> <p>Op Ed: 'Leveraging digital transformation for stronger and smarter world economic recovery' in <i>The Manila Times</i>, [3 May 2022]</p> <p>Op Ed: 'Investing in Nature Based Solutions to Tackle Triple Planetary Crisis', in <i>The Jakarta Post and Borneo Bulletin</i>, [22 &amp; 26 April 2022]</p>
<b>Lurong Chen</b>	<p>Op Ed: 'Accelerating Digital Transformation in Asia', <i>East Asia Forum</i>, [22 June 2022]</p> <p>'Trade in Services', in API (eds.), <i>ASEAN Integration Report 2022</i>, Kuala Lumpur: IDEAS</p>

Researcher	Publications
<p><b>Han Phoumin</b></p>	<p>'Assessment of Role of Green Bond in Renewable Energy Resource Development in Japan', with Farhad Taghizadeh-Hesary, Ehsan Rasoulinez, <i>Resources Policy</i>, Volume 80, [January 2023]</p> <hr/> <p><i>Secure and Sustainable Energy System</i>, with Farhad Taghizadeh-Hesary (eds.), MDPI, [November 2022].</p> <hr/> <p><i>Revisiting Electricity Market Reforms: Lessons for ASEAN and East Asia</i>, with Rabindra Nepal, Fukunari Kimura, Gazi Salah Uddin, and Farhad Taghizadeh-Hesary (eds.), Springer, [30 September 2022]</p> <hr/> <p>'The Socio-economic Impacts of Energy Policy Reform Through the Lens of the Power Sector – Does Cross-sectional Dependence Matter?', with Rabindra Nepal, Hamed Musibau, and Tooraj Jamasb, <i>Energy Policy</i>, Volume 167, ScienceDirect, [August 2022]</p> <hr/> <p>'Assessing ASEAN's Liberalized Electricity Markets: The Case of Singapore and the Philippines', with Hassan Ali, Beni Suryadi, Aitazaz A. Farooque, and Raziq Yaqub, <i>Sustainability</i> 2022, 14(18),11307, MDPI, [August 2022]</p> <hr/> <p>'Hydrogen Sourced from Renewables and Clean Energy: Feasibility of Large-scale Demonstration Projects', with Yanfei Li, <i>International Journal of Hydrogen Energy</i>, Volume 47, Issue 58, 8 July 2022, Page 24464, ScienceDirect, [July 2022]</p> <hr/> <p>'Enhancing Energy and Environmental Efficiency in the Power Sectors: A Case Study of Singapore and China', with Muhammad Mohsin, Ik Joong Youn, and Farhad Taghizadeh-Hesary, <i>Journal of Environmental Assessment Policy and Management</i>. Vol. 23, No. 03n04, World Scientific, [June 2022]</p> <hr/> <p>Op-ed: 'War in Ukraine and Rising Energy Costs Risk Hampering Asia's Decarbonization Efforts', <i>East Asia Forum</i> and <i>Eurasia Review</i>, [27 April 2022]</p>
<p><b>Lili Yan Ing</b></p>	<p><i>Impacts of Covid-19 on Indonesia's Trade</i>, with Yessi Vadila, joint publication ERIA and Ministry of Trade of Indonesia, [June 2022]</p> <hr/> <p><i>The EU-China Comprehensive Agreement on Investment: Lesson Learnt for Indonesia</i>, with Junianto James Losari, Joint Publication ERIA and Ministry of Trade of Indonesia, [June 2022]</p> <hr/> <p><i>The Impacts of AFAS on Indonesia's Development of the Financial Sector</i>, with Fauziah Zen, Matteo Fiorini, and Intan Ramli, joint publication ERIA and OECD</p> <hr/> <p>Op Ed: 'Digital Transformation under Indonesia's G20 Presidency: What can it Deliver?', with Titik Anas and Maria Monica Wihardja, <i>Fulcrum Singapore</i>, [26 July 2022]</p> <hr/> <p>Op Ed: 'Digital Transformation under Indonesia's G20 Presidency: What can it Deliver?', with Titik Anas and Maria Monica Wihardja, <i>ISEAS Perspective</i>, [15 July 2022]</p> <hr/> <p><i>Robots and AI: A New Economic Era</i>, edited with Gene M. Grossman, by Routledge.</p> <hr/> <p>Op Ed: 'How G20 Can Ensure Digital Transformation: Development for All?' <i>Jakarta Post, Borneo Bulletin and The Manila Times</i>, [7 and 15 April 2022]</p> <hr/> <p><i>COVID-19 in Indonesia: Impacts on the Economy and Ways to Recovery</i>, edited with Muh. Chatib Basri, Routledge</p> <hr/> <p>Op Ed: 'G20 and RCEP key to powering global recovery and development', with Mari Elka Pangestu, <i>East Asia Forum</i>, [27 March 2022]</p>

Researcher	Publications
<b>Ikumo Isono</b>	'The impact of global "decoupling" on the world economy - an analysis by IDE-GSM (Summary version)'; with Kumagai, S., K. Hayakawa., T. Gokan, S. Keola, K. Tsubota, and Y. Kubo, <i>IDE Policy Brief No. 174</i> , [6 February 2023]-in Japanese
	'The impact of "decoupling" on the global economy - an IDE-GSM analysis'; with Kumagai, S., K. Hayakawa, T. Gokan, S. Keola, K. Tsubota, and Y. Kubo, <i>IDE Square</i> , [February 2023]-in Japanese
	'Simulating the decoupling world under Russia's invasion of Ukraine: An application of IDE-GSM'; with Kumagai, S., K. Hayakawa., T. Gokan, S. Keola, K. Tsubota, and Y. Kubo, <i>IDE Discussion Paper No. 874</i> , [December 2022]
	'Impact of Economic Sanctions against Russia on the Global Economy Using the IDE-GSM'; with Kumagai, S., K. Hayakawa., T. Gokan, S. Keola, and K. Tsubota, <i>IDE Policy Brief No. 158</i> , [7 April 2022]
	'Impact of Economic Sanctions against Russia on the global economy - Analysis by IDE-GSM'; with Kumagai, S., K. Hayakawa., T. Gokan, S. Keola, and K. Tsubota, <i>IDE Policy Brief No. 156</i> , [1 April 2022]-in Japanese
<b>Fusanori Iwasaki</b>	'International cooperation analysis of Asian political distance network constructed using event data' with Sada, S., K. Oikawa and Y. Ikeda, <i>Frontiers in Physics</i>
	'Possible correlation between nighttime lighting data and building height'; with Kazawa G., D. Seki, S. Keola, F. Iwasaki, and Y. Yamashiki. <i>Frontiers in Sustainability</i>
	'Towards an International Agreement on Plastic Pollution: The Role of the G20'; with Michikazu Kojima, Hendro Putra Johannes, Ellen Putri Edita, R. Andreas Kaemer, Alin Halimatussadiyah. <i>T20 Policy Brief Task Force 3: Governing Climate Targets, Energy Transition, and Environmental Protection</i>
<b>Masanori Kozono</b>	'Digital Transformation of Agri-Food System: Policy Pathways for Greater Socio-Economic Inclusion, Sustainability, and International Cooperation'; with Venkatachalam Anbumozhi, Suresh Babu, Carlos Andrea Bollino, Siti Mustaimatud Dinayah, Vyta W. Hanifah, Syarif Hidayat, Amit Kumar, Agus Eko Nigroho, Risti, Permani, Sahara Sahara, Mat Syukur, and Irwanda W. Wardhana, <i>G20 Insight//T20 Indonesia Policy Brief TF 4: Food Security and Sustainable Agriculture</i> , [30 August 2022]
<b>Michikazu Kojima</b>	'The Diffusion of Remanufacturing Policies in Asia', <i>International Journal of Automation Technology</i> , Vol.16(6), pp.824-830, [November 2022]
	'Towards an International Agreement on Plastic Pollution: The Role of the G20'; with Hendro Putra Johannes, Ellen Putri Edita, Fusanori Iwasaki, R. Andreas Kaemer, Alin Halimatussadiyah, <i>T20 Policy Brief Task Force 3: Governing Climate Targets, Energy Transition, and Environmental Protection</i> .
	'Increasing International Trade of Secondhand Goods and its Impacts on Developing'; with Shozo Sakata, <i>IDE Research Column</i> . Institute of Developing Economies, [June 2022]
	'Remanufacturing in Free trade Agreement: A Background Paper for ATIGA Negotiation'. (A background paper for ATIGA negotiation)

Researcher	Publications
<b>Dionisius Narjoko</b>	'ASEAN and the role of Asian regionalism in managing asymmetric power', with Peter Drysdale and Rebecca St Maria (Chapter 8) in <i>Navigating Prosperity and Security in East Asia</i> . Armstrong, S., T. Westland and A. Triggs (eds.), Australian National University (ANU) Press.
	Op Ed: 'The Indonesia Economy in Turbulent Times', with Hall Hill. <i>EAF Special Feature Series</i> , Canberra: EABER-SABER, ANU, [18 January 2023]
	'The Indonesian Economy in Turbulent Time', with Anas, T. H. Hill and C.T. Putra, <i>Bulletin of Indonesian Economic Studies</i> , 58(3), pp.241-71, [2 September 2022]
	'Determinants of Regional Trade Agreement Utilization: Evidence from Multiple Import Countries in Asia', with Chang, K., K. Hayakawa, N. Laksanapanyakul, J.H. Pyun, and F. Quimba <i>The World Economy</i> , 45(6), pp.1713-36.
	'Impacts of Tariff Rates on Input Source Choice: Evidence from Indonesia', with Negara, S.D. and K. Hayakawa <i>IDE Discussion Papers vol. 861 No. 2022-9</i> , Tokyo: IDE.
	'Simultaneity Nature in Import and Productivity: Case Study of Indonesian Manufacturing', with Putra, C.T, <i>ADB Working Paper</i> , No. 1319, Tokyo: ADBI.
	'Digital Industrialization: Building Internationally Competitive Digital Industries with Global Value Chain Connectivity', with Rupa Chandra, Yose Rizal Damuri, J.Drake-Brokman et al., <i>T20 Indonesia 2022-Policy Brief, Task Force 1: Open Trade and Sustainable Investment</i> .
<b>Keita Oikawa</b>	'Robustness and resilience of supply chains during the COVID-19 pandemic', with Yasuyuki Todo, Masahito Ambashi, Fukunari Kimura, and Shujiro Urata, <i>The World Economy</i> , 00, pp.1-27.
	'International Cooperation Analysis of Asian Political Distance Network Constructed Using Event Data', with Sotaro Sada, Fusanori Iwasaki, and Yuichi Ikeda, <i>Frontiers in Physics</i> , 975.
	'Multi-Product Establishments and Product Dynamics', with Masashige Hamano, <i>TCER Working Paper Series</i> , Working Paper E-168, Tokyo Center for Economic Research, 2022.
<b>Anita Prakash</b>	'Planning and Investments in Efficient and Inclusive Infrastructure and Supply Chains in post-Covid-19 Recovery', with Hafida Famiyasi, Mochammad Imron, et al., <i>T20 Task Force 8 on Stronger Economic Recovery Through Inclusive, Resilient, and Greener Infrastructure Investment and Financing</i> , [29 August 2022]
	'Towards Indian G20 Presidency: Exploring New Development Paradigms and Growth Strategies- New Development Paradigm and Principles of Cooperation: Connectivity Paradigms and Principles: Lessons from Asia-Pacific', for <i>Delhi Process VI of Research and Information System for Developing Countries (RIS)</i>
	Op Ed: 'China's Covid Policy Adding to Headwinds Confronting ASEAN', by <i>Business Times</i> , [28 April 2022]

Researcher	Publications
<b>Alloysius Joko Purwanto</b>	<p>Op Ed: 'Is ASEAN Ready for Green Hydrogen?', <i>Bangkok Post</i>, [30 January 2023].</p> <hr/> <p>'Toward an Optimized Biofuel Use Pathway for Indonesia Road Transport', with Dian Lutfiana, in: Taghizadeh-Hesary, F., Zhang, D. (eds), <i>The Handbook of Energy Policy</i>, Singapore: Springer, pp.1-32, [12 October 2022]</p> <hr/> <p>'Reframing of Global Strategies and Regional Cooperation Pathways for an Inclusive Net-Zero Strategy in the Energy Transition Framework', with Fachry Abdul Razak Afifi, Venkatachalam Anbumozhi, Dian Lutfiana, Citra Endah Nur Setyawati, et al., <i>T20 Indonesia, Task Force 3- Policy Brief</i></p> <hr/> <p>Op Ed: 'Ojek Online Bisa Dimanfaatkan untuk Memangkas Polusi Udara Jakarta', <i>The Conversation</i>, [27 June 2022].</p>
<b>Fauziah Zen</b>	<p>'ASEAN Think Tanks: Relevance in Turbulent Times', with Lydia Ruddy and Venkatachalam Anbumozhi, in <i>A World in Crisis, A World in Progress, Growing Better Together: Lessons from a Decade of Think20</i>, ADBI, Tokyo, [March 2023]</p> <hr/> <p>'Enhancing Infrastructure Provisions to Address the Digital Divide', with Teuku Riefky, Artidiatun Adji, Bayu Aji Aritejo, Riatu Mariatul Qubthiyah, <i>T20 Indonesia Policy Brief</i>, Task Force 8: Resilient Infrastructure and Financing, [August 2022]</p> <hr/> <p>'Promoting Resilient Infrastructure and Public-Private Partnership', with Gultom, Riefky, Purwoto, Ismujatmika, Sugandria, Haqi, Novaris, Prayudhia, Jibril, <i>T20 Indonesia Policy Brief</i>, Task Force 8: Resilient Infrastructure and Financing, [August 2022]</p> <hr/> <p>'Public-Private Partnerships in the Context of Resilient Infrastructure', with Riefky and Qibthiyah. <i>T20 Indonesia Policy Brief</i>. LPEM Repository (incoming)</p> <hr/> <p>'Digital Divide and the Role of Infrastructure Improvement', with Riefky and Qibthiyah. <i>T20 Indonesia Policy Brief</i>. GSI Repository (incoming)</p>

# Annex G-2

## List of Outreach Activities of ERIA Researchers

Researcher	International Workshop/Conference/Lectures
<b>Fukunari Kimura</b> (Chief Economist)	Speaker, 'Task Force 5', in <i>Think20 Inception Conference</i> , G20 and T20 India [13-14 January 2023].
	Presenter, 'Keynote: Channels of Technology Transfer/Spillover in Manufacturing and Digital Economy', '2nd Annual Forum on Technology Transfer: Leveraging Readiness for Technology Adaptation & Adoption among Cambodia's SMEs', organised by Ministry of Industry, Science, Technology & Innovation, General Department of Science, Technology & Innovation, Department of Technology Transfer, [28 November 2022]
	Presenter, 'Key Experts 1: Development of SMEs in GVCs: Lessons Learned from Production Networks of Japanese Firms', at the <i>Trade Policy Advisory Group (Trade-PAG) #4 "Linking SMEs with Large Firms to Go Global</i> , organised by Ministry of Trade, [22 November 2022]
	Presenter and Panelist, 'Japan's Mega-FTA Strategy under Enhancing Uncertainty', at <i>The 15th Trilateral Workshop of CASS-KIEP-PRI</i> , Tokyo, Japan, organised by Policy Research Institute (PRI) with cooperation with Chinese Academy of Social Science (CASS) and Korea Institute for International Economic Policy (KIEP), [17 November 2022]
	Presenter, 'CADP 3.0: Concept and What It will Bring to the Region', at the <i>Comprehensive Asia Development Plan 3.0 (CADP 3.0) Symposium</i> , organized by the Ministry of Commerce, ERIA with cooperation with Kingdom of Cambodia, [9 November 2022]
	Presenter and Panelist, presented 'The Resilience of the International Production Networks under COVID-19 and Geopolitical Tension' and served as a panelist in 'Session 1: The Disruption Affecting APEC Connectivity during 2016-2022', at the <i>PECC General Meeting 2022 'Asia Pacific Economy beyond Thailand APEC 2022'</i> , organised by PECC (The Pacific Economic Cooperation Council), Bangkok, Thailand, [3-4 November 2022]
	Discussant for paper titled 'The Costs of Export Bans: Right to Food or Beggar-Thy-Neighbor' by Joy Abrenica and Maria Socorro Bautista, at the <i>Asian Economic Panel (AEP)</i> , organised by Asian Economic Panel (AEP), Seoul, Korea, [26-27 October 2022]
	Presenter, 'How to overcome the divergence between geopolitical tensions and economic realities?', in <i>92nd Policy Plenary Meeting of the Council of the East Asian Community</i> , Tokyo [18 October 2022]-in Japanese.
Presenter and Panelist, 'ASEAN Connectivity Post 2025 Vision: Issues and Challenges', at <i>The 13th ASEAN Connectivity Symposium "Enhancing Connectivity towards an Inclusive, Sustainable and Resilient ASEAN Community Post 2025 Vision"</i> , Phnom Penh, Cambodia, organised by ASEAN Secretariate, [3 October 3 2022]	

Researcher	International Workshop/Conference/Lectures
	Advisor, at Japan 81st National Conference of the Japan Association of International Economics Kinki University, [1-2 October 2022]-in Japanese.
	Served as a discussant for the paper titled 'Does Outward Foreign Direct Investment Improve the Performance of Domestic Firms? Case of Korea' by Soomin Han and Henry Kim.
	Moderator, in 'Session II: AI and the Digital Ecosystem: A Transformative Experience in the Making', at The Institute for Policy, Advocacy, and Governance (IPAG), G20/T20 related event, G20 and AI: Connecting the Dotted Lines between Technology and Humanity, Bali, Indonesia, [4 September 2022]
	Chairperson, <i>Grants-in-Aid for Scientific Research Project and International Economics Workshop</i> (Hokkaido University, Sapporo; [1-2 September 2022])-in Japanese.
	Presenter, 'Rising Geopolitical Tensions and Economic Activity: Relations with Asia and Developing Regions', in Japan International Cooperation Agency (JICA) 'Complex Risks in Developing Countries', Tokyo, [2 September 2022]-in Japanese.
	Presenter, Panelist, Presented 'Geopolitics and GSCs in ASEAN and East Asia' and Panelist in Plenary Session II and Chair in 'ERIA-Organized Session II: Multiple Pathways to Carbon Neutrality in ASEAN and East Asia', at the <i>The 17th East Asian Economic Association (EAEA) International Convention</i> (Kuala Lumpur, Malaysia, [27-28 August 2022])
	Panelist, in 'Session 6: Future RCI Research and Innovation', at the <i>Asian Development Bank Regional Cooperation and Integration Conference 2022: Strengthening Regional Cooperation and Integration for a New Era of Collective Action</i> , organised by Asian Development Bank), [23-25 August 2022]
	Presenter, 'Economic Cooperation and Recovery', at the <i>CSIS-GRIPS-RSIS Policy Research Network on Contemporary Southeast Asia (PRN-SEA) Conference 'Towards Open and Inclusive Regionalism'</i> , organised by CSIS Indonesia (Centre for Strategic and International Studies) in cooperation with GRIPS (Graduate Institute for Policy Studies) and RSIS-NTU(S. Rajaratnam School of International Studies) [27-28 July 2022]
	Presenter (as address from Chief Guest), 'Supply Chains with COVID-19 and Beyond', at the <i>Asia Pacific Economic Integration Forum (A-PAC EIF 2022)</i> , organised by Thammasat University, Bangkok, Thailand, [21-22 July 2022]
	Presenter, 'Development Strategies in "Large" Islands Economies: Possible Suggestion from Empirical International Trade' in the Plenary Session and 'Economic Recovery with COVID-19' in the IBER-ERIA Session, at <i>The 17th Indonesian Regional Science Association (IRSA) International Conference 2022</i> , organised by Mataram University, Mataram, Lombok Island, Indonesia, [18-19 July 2022]
	Presenter (on video), 'Digital Prosperity', at <i>The First Conference on Muslim World Economy (MWE)</i> , organised by UIII (Universitas Islam International Indonesia, Jakarta, Indonesia, [14-15 July 2022])
	Lead Chair, at the <i>Think7 2023 Preparatory Meeting 2</i> , organised by ADBI (Asian Development Bank Institute) as Think7, Japan, [11 July 2022]

Researcher	International Workshop/Conference/Lectures
	<p>Panelist and Presenter, 'Keynote Speech (1): Factory Asia and the Importance of International Trade Rules: Implications of Escalating Geopolitical Tensions' in Institute of Asia-Pacific Studies, Independent Research Projects, Online Forum 'Political and Economic Cooperation in the Asia-Pacific Region, Part 1: Is it Possible to Achieve Balance between Economic Security and Globalization: The Future of the International Economic Order after the Ukraine Crisis". Online, Osaka [11 July 2022] -in Japanese</p> <hr/> <p>Adviser, <i>Japan 11th Spring Meeting of the Japan Association of International Economics</i> organised by Hirosaki University, Aomori [ 4 June 2022] -in Japanese</p> <hr/> <p>Participated as a member of the Advisory Committee, at the <i>Eighteenth Meeting of the UNU-CRIS Advisory Committee</i>, organised by UNI-CRIS (United Nations University – Institute on Comparative Regional Integration Studies), [23-24 May 2022]</p> <hr/> <p>Presenter and Panelist, 'RCEP to Be Living and Evolving', at the <i>ADB Conference on the Regional Comprehensive Economic Partnership (RCEP): A New Paradigm in Asia's Trading Architecture</i>, organised by ADB (Asian Development Bank), [3-4 May 2022]</p> <hr/> <p>Chair, 'Plenary Session 4: Reviving Trade, Investment, and Connectivity', at the <i>CSIS Global Dialogue 2022 "G20 Indonesia: Windows for Recovering Together and Stronger"</i>, organised by T20 Indonesia 2022 with support from ADB (Asian Development Bank) and ERIA (Economic Research Institute for ASEAN and East Asia), [27-29 April 2022]</p> <hr/> <p>Panelist, 'Plenary Session 4: Building Blocks', at the PECC (<i>the Pacific Economic Cooperation Council</i>) <i>Roundtable - A Refreshed Conversation on FTAAP</i>, AusPECC (The Australian Pacific Economic Cooperation Council) with support from NZPECC (The New Zealand Pacific Economic Cooperation Council), [26 April 2022]</p> <hr/> <p>Panelist, at the <i>Strategic Japan 2022: Competition in New Domains</i>, Center for Strategic &amp; International Studies (CSIS) Japan Chair, [8 April 2022]</p>
<p><b>Shujiro Urata</b> (Senior Research Advisor)</p>	<p>Moderator and Chair, The 17th East Asian Economic (EAEA) International Convention, Jeffref Cheah Institute on Southeast Asia (JCI) and Sunway University, [27 – 28 August 2022]</p> <hr/> <p>Speech, 'Strategic approaches for Mitigating the Impacts of GVC disruption due to global uncertainty, Trade Policy Advisory Group (Trade_PAG) Meeting #1 Year 2022', [25 August 2022]</p> <hr/> <p>Speaker, Forum on Climate Change Rescuing the Green Transition by ISPI, OECD, KPMG, Edison, [29 April 2022]</p>
<p><b>Jun Arima</b> (Senior Policy Fellow for Energy and Environment)</p>	<p>Speaker, 'Green Transition in the EU and Japan during Geopolitical and Energy Market Turmoil', [24 November 2022]</p> <hr/> <p>Moderator, 'Emission Reduction Paths in the Road Transport Sector toward Carbon Neutrality - Concepts in the IPCC AR6', <i>COP27 Side Event</i>, [18 November 2022]</p> <hr/> <p>Moderator, <i>The 31st 'Clean Coal Day in Japan' International Symposium</i>, [20 October 2022]</p> <hr/> <p>Moderator, 'Energy Conference – Business Leaders Forum 2022', <i>CCIF Japon</i>, [12 October 2022]</p> <hr/> <p>Moderator, 'Energy Security in the Asia Pacific', <i>Reuter Webinar</i>, [22 September 2022]</p>

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, 'Climate Change Need Action Now', <i>Workshop OIST</i>, [5 August 2022]</p> <p>Speaker, IEEJ Webinar on 'Overview of this year's G7 agreement and its implications for Japan and Asia', [12 July 2022]</p> <p>Speaker, 'Climate Change and Sustainability', <i>Global Public Policy Network Thinking Public Policy Webinar Series</i>, [22 February 2022]</p> <p>Speaker, 'Climate Policy Post COP 26 What's Next', <i>The 4th FPCI GRIPS Public Forum</i>, [14 February 2022]</p>
<b>Venkatachalam Anbumozhi</b>	<p>Speaker, 'Diversified Renewable Energy and Critical Mineral Supply Chains', Side event the 2<sup>nd</sup> G20Energy Transition Working Group, Gandhinagar, [31 March 2023]</p> <p>Panellist, 'Innovative for a Greener Future: Technological Trends in Climate Change Mitigation', Asia Network, Online, [22 March 2023]</p> <p>Paper Presenter, 'Climate Smart Agriculture and Resilient Value Chains for Food Security', 11<sup>th</sup> Asian Society of Agricultural Economists International Conference, Tokyo, 18-20 March, 2023</p> <p>Discussant, 'What Legal and Policy lessons can be learnt from Coal exporting Nations for Energy Transition to Low carbon Future?', ADBI conference on Energy Transition from Coal to Low-Carbon Future, [20-22 February 2023]</p> <p>Keynote Speaker, 'Covid-19 Pandemic, Climate Change and Poverty Reduction: Case of ASEAN', University of Indonesia -19<sup>th</sup> Economix, Jakarta, hybrid, [15 February 2023]</p> <p>Panellist, 'Leadership Forum on Electrical Vehicle Eco-system', India Energy Week, Bangalore, [8 February 2023]</p> <p>Presenter and Panellist, 'Integrated Agricultural &amp; Fish Markets in ASEAN: a Policy Outlook on Sustainable and Resilient Value Chains', OECD-ASEAN Workshop on Food Security: Sharing Evidence and Policy Experiences, ASEAN secretariat, [2 February 2023]</p> <p>Keynote Speaker, International Workshop on Climate Change and Agriculture: Analytical Methods and Policy Options, Tamilnadu Agricultural University, Coimbatore, [17-19 January 2023]</p> <p>Speaker, Creating Sustainability for Enhancing Energy Cooperation, South Asia (BBIN) Power Summit, Confederation of Indian Industries, New Delhi, 16 December 2022</p> <p>Session Chair, Combating Marine Plastic Debris 4th ASEAN-India Workshop on Blue Economy Research Information Systems New Delhi, 15-16 December, 2022.</p> <p>Speaker, 'Sustainable Exploitation of Marine Resources', 4th ASEAN-India Workshop on Blue Economy, Research Information System, New Delhi, 15-16 December, 2022</p> <p>Panellist, 'Advancing Circular Cities from Research and Innovation', World Circular Economy Forum, Kigali, hybrid, [6-8 December 2022]</p> <p>Speaker: Net Zero Economy: What it could mean for developing countries of Asia? Carbon Peaking and Carbon Neutrality from a Global Perspective: Impacts, Pathways, and Cooperation, CASS-China Daily Forum, Beijing, online, [2 December 2022]</p>

Researcher	International Workshop/Conference/Lectures
	Paper Presenter, Carbon Markets and Financial Mechanisms for Sustainable Agriculture in Asia, Workshop on CSR for Sustainable Agriculture and CCA for Better Future: National Institute of Agricultural Extension Management (MANAGE), hybrid, [22-23 November 2022]
	Panelist, Special T20 Event on the Side-lines of the G20 Leader's Summit: Shaping Digital Innovations for A Sustainable and Stronger Recovery, Bali, hybrid, [15 November]
	Panellist, <i>Climate Change Mitigation: Policies and Lessons for Asia</i> , Asian Development Bank Institute, Tokyo, online, [14 November 2022]
	Speaker, 'Towards Resilient and Sustainable Smart Cities', Webinar on Imagining a Sustainable and Resilient G20 Cities, [13 November 2022]
	Speaker, 'Look Before Leap: Sustainability Challenges and Opportunities for ASEAN', Public Symposium, Phenom Penh, ERIA, [6 November 2022]
	Keynote Speaker, Building A Circular Economy Towards A Smart Environment in Cities, Geo Smart 2022 Annual Conference - Indonesia Digital Summit, Institut Teknologi Bandung, [27 October 2022]
	Speaker, 'Role of Private Sector and Startups in Promoting Green Innovations', Regional Workshop on Mechanism for Technical Cooperation on Green Innovations, Tashkent, Asia Pacific Centre for Technology Transfer, hybrid, [19 October 2022]
	Speaker and Panellist, 'Roundtable on Energy Infrastructure Development through Innovation and Collaborative Financing for Energy Security', Business 20 side event, Bali, [15 October 2022]
	Speaker and Panellist, 'Circular Economy Panel', UNSW-ASEAN conference, [24 September 2022]
	Speaker, Webinar on Potential Implications of EU- Cross Border Adjustment Mechanism (CBAM) for ASEAN, Asia Foundation, online, [9 September 2022]
	Speaker-Panellist, Roundtable on G20 Agenda for Circular Low Carbon Economy, Bali, King Abdullah Petroleum Studies and Research Center, [2 September 2022]
	Speaker, Webinar Supply Chain Approach to Improve Climate Resilient Health Services, ASEAN Secretariat conference on Climate change, Jakarta, online, [6 September 2022]
	Keynote Speaker, Climate Change Vulnerabilities, Social Impacts, and Education for Autonomous Adaptation, Siem Reap, Cambodia, [12-14 September 2022]
	Keynote Speaker, T20 workshop 'Circular Economy for a Stronger Recovery: A Just Transition Agenda for G20', Bali, hybrid, [3 September]
	Discussant, 'Efficient Decarbonization of Technical Systems and Decarbonization of Natural Systems: Suggestions from Malaysia Case', 17 <sup>th</sup> International Convention of The East Asian Economic Association (EAEA), Kuala Lumpur, [28 August 2022]
	Paper Presenter, 'Opportunities and Limits for Carbon Emission Reduction in Transport Sector: A Techno-economic Analysis', 17 <sup>th</sup> International Convention of The East Asian Economic Association (EAEA), Kuala Lumpur, [27-28 August 2022]

Researcher	International Workshop/Conference/Lectures
	Presenter and Panellist, 'U20 / G20 Workshop on Urban Infrastructure for Circular Economy', Jakarta, [24 August 2022]
	Speaker, Support to and Benefits of Circular Economy, Indian Ocean Rim Association (IORA) -Workshop 'Post-COVID-19 – Sustainable Innovation to Set the Economy Back on Track', Mauritius, hybrid, [23 and 24 August 2022]
	Speaker, 'Climate Change and Trade Adjusted Carbon Emissions', Kigali Global Forum, Kigali, [10 August 2022]
	Keynote Speaker, 'Green Hydrogen Economy Strategy 2030, Pathway to ASEAN Hydrogen Economy Transformation', Malaysian Industry government- Group for High Technology, Kuala Lumpur, hybrid, [2-4 August]
	Paper Presenter, 'Impact of Electrification and Biofuel Use on Carbon Emission Reduction Potential', 43 <sup>rd</sup> International Association of Energy Economist (IAEE) Conference, Tokyo, [25-28 July 2022]
	Keynote Speaker, 'Rethinking Low Carbon Green Growth in Asia: Policies and Practices for the Post Covid Era', The 30th ATPF Working Level Meeting and Seminar, online, [27 July 2022]
	Speaker, Webinar on Circular Supply Chain in Urban-Rural Fringe Areas, U.S.-ASEAN Smart Cities Partnership (USASCP) Circularity Initiative, online, [21 July 2022]
	Speaker – Panellist, Global Policy Forum, 'The Digital Future: Divided We Stand?', Italian Institute for International Political Studies, ISPI, Milan, hybrid, [20-21 June 2022]
	Speaker, 'Moving Forward in Adoption of Smart Agriculture among APEC Economies', APEC Webinar on Food Security- Promoting Digital Agriculture in APEC Community, online, [19-20 July 2022]
	Speaker and Panellist, 'Building Bridges in Indo-Pacific: Energy & Climate', Delhi Dialogue XII -[17 June 2022]
	Presenter and panellist, 'Digitalization in Agriculture: A G20 Policy Framework for an Equitable and Environmentally Sustainable Transition', G20 Agricultural Working Group, online, [9 June 2022]
	Webinar Speaker, 'ESG investments and Greening the Growth', Dankook University, Seoul, online, [7 June 2022]
	Paper Presenter, Green and Circular Policies and Incentives for Carbon Neutrality Supply Chains, The Net Zero Playbook: Building Resilience, Accelerating Growth Malaysian Industry government- Group for High Technology, Kuala Lumpur, hybrid, [24-25 May 2022]
	Speaker, Dialogue on Green and Low-Carbon Development and Cooperation in Southeast Asia's Power Sector under the Belt and Road Initiative (BRI), Beijing University, online, [23 May 2022]
	Keynote Speaker and Session Chair, Transformational Strategies for a Net Zero Economy, United Nations Industrial Organisation (UNIDO), online, [24 May 2022]
	Keynote Speaker, Workshop on Innovative policies for low -carbon Green Growth, Dankook University, Seoul, online, [23 May 2022]
	Webinar Speaker, 'Sustainable Development Goals and Green Complexity', Dankook University, Seoul, online, [31 May 2022]

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, Implementation of SDGs and Connectivity in the Indo-Pacific, Policy Planning Dialogue: Exploring Synergy between the ASEAN Outlook on Indo-Pacific (AOIP) and The Global Development Initiative (GDI), MOFA, Jakarta, [20 April 2022]</p> <p>Presenter, A Green Digitalized Smart Cities: Challenges and Opportunities for Digital Connectivity– Global solutions summit, Berlin, hybrid, [22 April 2022]</p>
<b>Lurong Chen</b>	<p>Presenter, 'Asia and Europe: Cooperation in Digital Connectivity', at the Asia-Europe Cooperation on Inclusive Digital Societies, [7 December 2022]</p> <p>Speaker, High-level Consultation meeting on 'Accelerating Digital Transformation in Cambodia', organised by Cambodian Institute for Cooperation and Peace (CICP) and ERIA [22 November 2022]</p> <p>Presenter, 'Digital Connectivity', at the Symposium on CADP 3.0 organised by ERIA [9 November 2022]</p> <p>Panellist, at the Conference of 'ASEAN Integration Report 2022', organised by ASEAN Prosperity Initiative (API) [Kuala Lumpur, 8 November 2022]</p> <p>Speaker, 'E-Commerce and Intellectual Property', Third Country Training Program (TCTP) Course on Digital Economy, organised by United States Patent and Trademark Office, co-organised by the Singapore Infocomm Media Development Authority (IMDA) and the Singapore Civil Service College, [1 November 2022]</p> <p>Panellist, at the Seminar of 'Role of Civil Society Organisations in Shaping the Indo-Pacific Region: Prospects and Challenges', organised by the Indo-Pacific Civil Society Forum (IPCSF), [30 September 2022]</p> <p>Presenter, 'ASEAN MSMEs in Digital Transformation', in 10th Asian Regional Roundtable, organised by the Organisation for Economic Co-operation and Development (OECD), ASEAN+3 Macroeconomic Research Office (AMRO), Asian Development Bank (ADB), and Economic Research Institute for ASEAN and East Asia (ERIA), [15-16 June 2022]</p>
<b>Doan Thi Thanh Ha</b>	<p>Commentator, 'Key areas that enable green growth in Vietnam', Vietnam-Japan Policy Research Forum on 'Promoting Vietnam-Japan Cooperation for Green Growth after the Pandemic', organised by The University of Tokyo, Central Institute for Economic Management and Toshiba, [15 February 2023]</p> <p>Presenter, 'Technical Barriers to Trade, Product Quality and Trade Margin: Firm-level evidence', organised by Trade Policy Research Forum, [26 January 2023]</p> <p>Commentator, 'Draft of Industrial Development Law', Workshop on Industrial Development of Vietnam, organized by ERIA and Central Institute for Economic Management, [28 December 2022]</p> <p>Discussant, 'Vietnamese Firms' Branding Activities and Export Performance', organised by Vietnam Symposium in International Business, Ho Chi Minh, [31 October 2022]</p> <p>Presenter, 'Globalisation, Trade Reform and the Spatial Distribution of Vietnamese Manufacturing', organised by Vietnam Symposium in International Business, Ho Chi Minh, [31 October 2022]</p> <p>Adjudicator, Grand Final round, 20<sup>th</sup> Economix on The Aftermath of Global Economy and Political Insecurity: A Modern Challenge towards Interdependencies, University of Indonesia, [30 November 2022]</p>

Researcher	International Workshop/Conference/Lectures
<b>Han Phoumin</b>	Speaker, 'Barriers and Opportunities for Financing CCUS', Australia and Southeast Asia Global CCS Institute Members Forum, [22-23 February 2023]
	Moderator and Closing Remark, <i>The 7th Asia CCUS Network (ACN) Knowledge Sharing Conference</i> , [16 February 2023]
	Moderator and Closing Remark, <i>The 6th Asia CCUS Network (ACN) Knowledge Sharing Conference</i> , [31 January 2023]
	Speaker, 'Asia Transition Finance, Focusing on Potential Transition Technologies', Asia Transition Finance Working Group, Public Sessions, [20 December 2022]
	Speaker, 'Review and Recommendations by ERIA for Functional ASEAN Petroleum Security Agreement', 1 <sup>st</sup> Focus Group Discussion Meeting on the Way Forward for ASEAN Petroleum Security Agreement, [25 November 2022]
	Speaker, 'Technical Aspects of the Study on study of "Student Learning Losses in Reading and Mathematics at Primary Schools during Covid-19 Pandemic in ASEAN"', Regional Consultative Workshop, [26-27 October 2022]
	Speaker, 'Potential Hydrogen as Game Changer for Decarbonisation in East Asia Region', EFI-KAPSARC Joint Workshop titled 'A Global Hydrogen Future', [11 October 2022]
	Speaker, 'Sustainable Energy Infrastructure Development in ASEAN and East Asia Region', ERIA Symposium on CADP 3.0, [9 October 2022]
	Speaker, 'ASEAN's Decarbonisation Pathways', Regional Multi-Stakeholder Dialogue Towards Just Energy Transition in ASEAN, [3 - 4 October 2022]
	Speaker, 'Decarbonizing Emissions in Electricity Sector in the Mekong Sub-region', 17 <sup>th</sup> East Asia Economic Association, [27-28 September 2022]
	Speaker, 'Report on Asia CCUS Network Activities 2022', 2 <sup>nd</sup> Asia CCUS Network Forum, [27 September 2022]
	Speaker, 'Accelerating Energy Transition in Asia', ASEAN Energy Business Forum, ASEAN Center for Energy, [14 September 2022]
	Moderator, <i>The 5<sup>th</sup> East Asia Energy Forum</i> , ERIA, [12 September 2022]
	Speaker, 'The importance of CCUS toward Carbon Neutrality in the World', 31 <sup>st</sup> Clean Coal Day in Japan, [5-6 September 2022]
Speaker, 'Rare Earth Minerals: Critical Supply Chain for Energy Security', The National Bureau of Asia Research (NBR), [28 July 2022]	
Speaker, 'Addressing Energy Poverty, Ensuring Fairness & Inclusiveness in ASEAN', Workshop on ASEAN Leadership Forum on Rural Development and Poverty Alleviation, organized by SOMRDEP-Cambodia, Siem Reap, Cambodia, [7-9 July 2022]	
Speaker, 'The Roles of CCUS in G20 Region', 2 <sup>nd</sup> G20 Energy Transitions Working Group, Indonesia G20 Secretariat, [23-26 June 2022]	

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, 'Decarbonization of ASEAN's Energy System', The 7<sup>th</sup> IEEE/APERC International Symposium, [28 April 2022]</p> <p>Speaker, 'Decarbonization of ASEAN Energy System: The Optimum Technology Selection Model', 1<sup>st</sup> Asia Green Growth Partnership Ministerial, [25 April 2022]</p> <p>Speaker, 'Making CCS/CCUS Affordable: Enabling CCUS Deployment in G20 and Beyond', G20 Side Event, Indonesia G20 Secretariat, [13 April 2022]</p>
<b>Yoshie Hirose</b>	<p>'Approach to Improving Acute Medicine in India with Medical Digitalization', The 1<sup>st</sup> MEI-MEJ Forum meeting, organised by NITI Aayog and MEJ, New Delhi, India, [14 March 23]</p> <p>Presenter, 'Overview of MEI-MEJ Forum and Joint Strategic Council', the 1<sup>st</sup> Joint Strategic Council for MEI-MEJ Forum, organised by NITI Aayog, MEJ and ERIA, [3 March 2023]</p> <p>Medical Excellence Vietnam Signing Ceremony, organised by Hanoi Medical Universities Hospital, MEJ, and ERIA, Hanoi, Viet Nam, [11 July 22]</p>
<b>Lili Yan Ing</b>	<p>Speaker, 'ROK's Policy toward ASEAN - Challenges and Opportunities towards an Open and Fair Economic Order: ASEAN perspective' Session at ROK's Policy toward ASEAN - Challenges and Opportunities Webinar, [13 December 2022]</p> <p>Speaker, 'Trade for Growth in Indonesia' Panel Discussion at the World Bank, Jakarta, [15 December 2022]</p> <p>Moderator, 'Augmenting the New Source of Growth' Session at the 11<sup>th</sup> Annual International Forum on Economic Development and Public Policy (AIFED), Bali, [6-7 December 2022]</p> <p>Speaker, 'Indonesian Economic Outlook: Optimistic, yet Need to be Mindful...', BCI Breakfast Briefing, Jakarta, [1 December 2022]</p> <p>Speaker, 'Indonesia's Trade: Surplus, yet Concerning...', Focus Group Discussion at Bank Indonesia, Jakarta, [14 November 2022]</p> <p>Speaker, 'State-Owned Enterprises (SOE) International Conference', Road to G20, Solo, [17-18 October 2022]</p> <p>Chair, Chairing 'Global Economic Outlook' Session at the Investor Daily Summit, Jakarta, [11-12 October 2022]</p> <p>Speaker, 'Digital Transformation with the Cloud: An ADB x AWS x ERIA Policy Webinar Series', ADS, AWS, and ERIA Webinar, [6 October 2022]</p> <p>Speaker, 'Digital Transformation: Development or All', T20 Summit, Bali, [5 September 2022]</p> <p>Speaker, 'G20 High-Level Forum on Trade, Investment and Industry', Online, [26-27 July 2022]</p> <p>Speaker, 'Sustainable Investment for Global Economic Recovery', G20 Trade, Investment, and Industry 2<sup>nd</sup> Working Group Meeting, Solo, [7 July 2022]</p> <p>Speaker, 'G20 Digital Transformation: Resilient MSMEs for Global Economic Recovery', The Jakarta Post Spotlight: Road to G20 Series, [30 June 2022]</p>

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, 'Supply Chain Resilience in Southeast Asia', OECD Meeting, [22 June 2022]</p> <p>Speaker, 'Road to G20: Digital Transformation in Trade', hosted by the Ministry of Trade of the Republic of Indonesia, [8 June 2022]</p> <p>Speaker, 'Sustainable Investment for Global Economic Recovery', G20 Investment Forum, Solo, [18 May 2022]</p> <p>Speaker, 'Digital Transformation: Development for All', G20 Trade, Investment, and Industry 1st Working Group Meeting, Solo, [30 March 2022]</p> <p>Speaker, 'Realizing Inclusive Recovery from the COVID-19 Pandemic', T20 Indonesia Inception Conference, [9-10 February 2022]</p>
<b>Ikumo Isono</b>	<p>Speaker, 'Refining Global Trade and Connectivity: Perspective of Policymakers', session in The 20<sup>th</sup> Economix International Seminar by University of Indonesia, [30 November 2022]</p>
<b>Fusanori Iwasaki</b>	<p>Panellist, 'Regional Comprehensive Economic Partnership (RCEP) from the International Relations Perspectives', Research Institute Network (RIN) Annual Meeting 2022, Bangkok, [24 November 2022]</p> <p>Panellist, 'Role of Automotive Sector in Regional Economic Development', CADP Forum, organised by ERIA and Ministry of Commerce, Cambodia, [9 November 2022]</p> <p>Panellist, 'Zero Plastic Waste for Public Private Partnership with Community', organised by Ministry of Environment, Cambodia and ERIA, [26 October 2022]</p> <p>Panellist, 'OECD-Viet Nam High-Level Economic Seminar', on the occasion of OECD Southeast Asia Regional Program Ministerial Forum, [17-18 October 2022]</p> <p>Reviewer, with Sakakibara K.A. and J. Purwanto, 'Quantitative Risk Analysis of Mineral Resource (Nickel) Prices with Policy Changes', Singapore Economic Review Conference 2022, [August 2022]</p> <p>Reviewer, with Y. Ueki, 'Understanding Decision Making of the Sourcing Strategy: A Case Study of Japanese Affiliated Factory of Apparel Industry in China', Academy of International Business (AIB) 2022 Miami, [July 2022]</p> <p>Speaker and moderator, 'Current Situation of the EV in ASEAN Region', The Subregional Web-meeting on Skills &amp; Human Resources Development for Green Jobs and Greening of Economies in Asia, organised by the International Labor Organization (ILO), [23 March 2022]</p>
<b>Takuma Kato</b>	<p>Speaker, 'Japan-Indonesia Roundtable Discussion on Developmental Disorders', by Nozominosono, LSPR Institute of Communication and Business of Indonesia, and ERIA, Tokyo, [8 March 2023]</p> <p>Delegation from a specialized organization, Committee on Social Development, Seventh Session by UNESCAP, Bangkok, [6-8 September 2022]</p> <p>Opening Remarks, 'Indonesia-Japan Roundtable Discussion on Developmental Disorder' by National Center for Persons with Severe Intellectual Disabilities, Nozominosono, LSPR Institute of Communication and Business of Indonesia, and ERIA, Jakarta, [2 August 2022]</p>

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, 'Ageing in Asia', The 17th Indonesian Regional Science Association Conference, [18-19 July 2022]</p> <hr/> <p>Opening Remarks and moderator, 'ASEAN Consultation on the Development of the Regional Guidance on the Role of the Social Service Workforce in Social Protection, and other Priority Regional Guidance' by Cambodia, ASEAN Secretariat, UNICEF, and ERIA, Phnom Penh, [14-15 July 2022]</p> <hr/> <p>Opening Remarks and panellist, 'Workshop on Sharing Good Practices in Implementation of Social Security Schemes on Health Care and Pension for the Self-Employed' by Cambodia and ERIA, Siem Reap, [14-15 July 2022]</p> <hr/> <p>Resource person, 'Stakeholder Consultation for the Asia-Pacific Intergovernmental Meeting on the Fourth Review of Madrid International Plan of Action on Ageing (MIPPA)' by UNESCAP, Online, [28 April 2022]</p> <hr/> <p>Speaker, 'ASEAN Inter-Sectoral Regional Conference on Strengthening Social Work and Implementing the ASEAN Road Map' by ASEAN and UNICEF, Online, [27-29 April 2022]</p>
<b>Masanori Kozono</b>	<p>Presenter, 'Transforming Agriculture and Food System to More Sustainable and Resilient with Innovation', at the CADP 3.0 Symposium, organised by ERIA, Phnom Penh, Cambodia, [9 November 2022]</p> <hr/> <p>Presenter, 'Research Project on Building and Enhancing the Sustainable Agriculture and Food System in ASEAN Countries - Preliminary Scoping Study', at the 2<sup>nd</sup> ACM, Project for Human Resource Development in Food Related Areas through Partnership with Universities in ASEAN Regions - Phase 3', organised by ASEAN Secretariat Food, Agriculture, and Forestry Division, Bali, Indonesia, [2 November 2022]</p> <hr/> <p>Prepared Speech Materials Prof Nishimura, 'Inclusive Digitalization of Agriculture', at the Agriculture Ministers Meeting, organised by the G20 Indonesia Presidency, Bali, Indonesia, [28 September 2022]</p> <hr/> <p>Prepared Presentation Materials for Prof Nishimura, 'Digital Pathways for improving productivity, the profitability and Sustainability of Agri-food Systems', at the Borneo International Conference on Agrotechnology, organised by Universiti Teknologi Brunei, Brunei Darussalam, [2 July 2022]</p> <hr/> <p>Presenter, 'Movement Towards Sustainable Food System in ASEAN Countries', at the Public-private Round Table Meeting for Sustainable Food Production and Consumption, organized by MAFF Japan, Tokyo, Japan, [10 June 2022]</p>
<b>Shigeru Kimura</b>	<p>Panellist, 'EAS Energy Outlook: Focus on Gas Demand' at GECF and ERIA Joint Workshop namely 'Prospect of a Natural Gas Market in the EAS region amidst Carbon Neutrality Pledges and Geopolitical Tensions', organised by ERIA and GECF, Jakarta, Indonesia, [21 February 2023]</p> <hr/> <p>Speaker, 'Findings from ERIA's LCET-CN Model' at virtual workshop on 'Getting to Net Zero: Unlocking Pathways for Decarbonization in the Indo-Pacific', organised by The National Bureau of Asian Research, [12-13 December 2022]</p> <hr/> <p>Speaker, 'Asia CCUS Network as a Platform for Development of CCS/CCUS in Asia Region' at Japan CCS Forum 2022, organised by GCCSI, [1 December 2022]</p> <hr/> <p>Speaker, 'Hydrogen Demand Forecast in ASEAN' at EAS Hydrogen Workshop, organized by ERIA, [18 October 2022]</p>

Researcher	International Workshop/Conference/Lectures
	<p>Moderator, 'Panel Session: CCS Policies in EAS Countries' at 2<sup>nd</sup> Asia CCUS Network Forum, organised by ERIA/ METI, [30 September 2022]</p> <p>Moderator, 'Panel Session1: Implication of Ukraine War to Regional Energy Situation' at 5<sup>th</sup> East Asia Energy Forum namely 'ASEAN's Challenges on Carbon Neutrality and Energy Security', organised by ERIA, [12 September 2022]</p> <p>Speaker, 'Cambodia Energy Outlook' at 2<sup>nd</sup> Oil, Gas and Power Cambodia 2022 namely 'Building a Resilient Energy Mix for Cambodia', organised by Gas Academy Pte Ltd and Ministry of Mines and Energy Cambodia, [27-28 July 2022]</p> <p>Moderator, 'Panel discussion on different pathways to escalate the role of natural gas' at a side event under ETWG G20 2022 namely 'Escalating the Role of Gas in Energy Transition', organised by ERIA and MEMR, [11 May 2022]</p>
<b>Michikazu Kojima</b>	<p>Presenter and Facilitator, 'Good Practices of Multi-Stakeholder Collaboration against Plastic Pollution' at the Promotion of Community Resilience Against Plastic Pollution and Climate Change in the Mekong River Basin Workshop, organised by United Nations Environment Programme (UNEP), Bangkok, Thailand, [7-9 March 2023]</p> <p>Presenter, 'Importance of Addressing Consumer Side with Behavioral Insights in Tackling Plastic Pollution' at the Kick-off Workshop ERIA – IGES Plastic Behavior Project, organised by ERIA and Institute for Global Environmental Strategies (IGES), [23 February 2023]</p> <p>Presenter, 'Marine Plastic Debris and its Countermeasures in Asia', at the WEB-based Technical Training Program, at the Monitoring Methodologies of Marine Litter in 2023, organised by Ministry of Environment Japan, [13 February 2023]</p> <p>Presenter, 'Good Practices against Negative Impacts of Plastic on Mangrove', at the Training Course on Mangrove Forest Management, organised by Japan International Cooperation Agency (JICA), Okinawa, Japan, [26 January 2023]</p> <p>Presenter, 'Extended Producer Responsibility in Asia', at the Back-to-Back Event by ERIA and IGES on the Asia Pacific Roundtable on Sustainable Consumption and Production (APRSCP) 2022 – Bridging Net Zero Transition by SCP and Circular Economy, organised by ERIA and Institute for Global Environmental Strategies (IGES), Bangkok, Thailand, [23 November 2022]</p> <p>Presenter, 'Indicators on Plastic Pollution', at the 3<sup>rd</sup> Meeting of ERIA's Experts Working Group on Marine Plastic Debris, organised by ERIA and Institute for Global Environmental Strategies (IGES), Jakarta, Indonesia, [8 November 2022]</p> <p>Presenter, 'ASEAN+3 Private Sector Initiatives to Reduce Marine Plastics - Effective Policy Implementation in the ASEAN Region to Reduce Plastic Waste', at the Plastic Waste Management – Future Opportunities and Private Sector's Good Practices in Cambodia, organised by ERIA and Ministry of Environment Cambodia, Phnom Penh, Cambodia, [5 August 2022]</p> <p>Presenter, 'Updates on the Regional Knowledge Centre for Marine Plastic Debris', at the 23<sup>rd</sup> Meeting of ASEAN Working Group on Coastal and Marine Environment (AWGCME), organised by ASEAN Secretariat Sihanoukville, Cambodia, [26 July 2022]</p>

Researcher	International Workshop/Conference/Lectures
	Presenter, 'Updates on the Regional Knowledge Centre for Marine Plastic Debris', at the 23 <sup>rd</sup> Meeting of ASEAN Working Group on Chemicals and Waste (AWGCW), organised by ASEAN Secretariat, [7 July 2022]
<b>Dionisius Narjoko</b>	<p>Presenter, 'Servicification in Indonesian Manufacturing: Early Evidence', Offline, Tokyo, during the Asian Economic Panel, [12 March 2023]</p> <p>Keynote Speaker, 'Strengthening the Role of Young People in ASEAN', Online, during the Y20 Forum, [5 December 2022]</p> <p>Guest Lecture, 'ASEAN Economic Community', Offline, Jakarta, organised by Binus University, [5 December 2022]</p> <p>Panellist, 'Closing Panel Discussion', Offline, Phnom Penh, RCEP 10<sup>th</sup> Year Anniversary and Launching of ERIA 2<sup>nd</sup> Book on RCEP, [2 November 2022]</p> <p>Moderator, 'RCEP and Production Structure', Offline, Phnom Penh, RCEP 10<sup>th</sup> Year Anniversary and Launching of ERIA 2<sup>nd</sup> Book on RCEP, [2 November 2022]</p> <p>Moderator, 'Services Liberalization', Offline, Phnom Penh, during the RCEP 10<sup>th</sup> Year Anniversary and Launching of ERIA 2<sup>nd</sup> Book on RCEP, [2 November 2022]</p> <p>Discussant, 'Potential Impact of RCEP and Structural Transformation of Cambodia', Offline, Phnom Penh, during the 17<sup>th</sup> East Asian Economic Association International Convention, [27 October 2022]</p> <p>Discussant, 'Rules of Origin and International Production Networks', Offline, Kuala Lumpur, during the 17<sup>th</sup> East Asian Economic Association International Convention, [27 October 2022]</p> <p>Moderator, 'Inclusive &amp; Resilient Supply Chain Agenda', Offline, Jakarta, during the T20-G20 Roundtable Discussion on Trade, Investment, and Industry, [26 October 2022]</p> <p>Speaker, 'Reducing Inequalities for Policy Makers from Asian and African Countries', Online, organised by Deutsche Gesellschaft fuer Internationale Zusammenarbeit (GIZ), [18 May 2022]</p>
<b>Keita Oikawa</b>	Presenter, 'COVID-19 Pandemic, Digitalization, and Global Supply Chains: Case Studies of MSMEs from Indonesia', at the Asian Economic Panel Meeting in Keio University, Mita Campus, Tokyo, Japan, [11 March 2023]
<b>Anita Prakash</b>	<p>Head of Delegate, <i>1<sup>st</sup> Trade and Investment Working Group Meeting</i>, G20 Secretariat, Mumbai, [28 – 30 March 2023]</p> <p>High-Level Dialogue Participant, <i>Global Think Tank Town Hall</i>, Observer Research Foundation, New Delhi, [5 March 2023]</p> <p>Invitee, <i>Raisina Dialogue</i>, Observer Research Foundation, New Delhi, [2 – 14 March 2023]</p> <p>Delegate, <i>First Agriculture Deputies Meeting</i>, Agriculture Working Group G20, Indore, [12 – 16 February 2023]</p> <p>Delegate, <i>T20 Inception Meeting</i>, T20 Secretariat, New Delhi, [13 – 14 January 2023]</p>

Researcher	International Workshop/Conference/Lectures
	Several meetings of <i>Preparation for Agriculture Working Group (AWG) and Trade and Investment Working Group (TIWG) of G20 India Presidency</i> , Agriculture Ministry, Government of India, Department of Commerce, Govt of India, [October, November, December 2022]
	'4th ASEAN-India Workshop on Blue Economy', Indian Mission to ASEAN, New Delhi, [15 – 16 December 2022]
	Moderator and Organiser, <i>Asia Europe Cooperation on Inclusive Digital Societies</i> , GLOBALTAXGOV, Leiden Asia Centre, and ERIA, online, [7 December 2022]
	Speaker, <i>Asia Pacific Forum 2022 (APF2022)</i> , Japan Economic Foundation, online, [1 – 2 December]
	Speaker, <i>Global Technology Summit 2022 (Carnegie India)</i> , Carnegie India, hybrid, [29 November – 1 December 2022]
	<i>Fourth Core Committee Meeting on G20 Agriculture Issues</i> , Department of Agriculture & Farmers' Welfare, hybrid, [18 November 2022]
	'The Price of Peace – Rethinking Security for Germany and Europe', <i>Berlin Foreign Policy Forum</i> , hybrid, [18 October 2022]
	Coordinator and speaker, Inaugural Session of G20 Research Forum at T20 Summit in Bali, by T20 Secretariat, RIS, and LPEM FEB UI, Bali, [5 September 2022]
	Organiser, <i>11th OECD-AMRO-ADB-ADBI-ERIA Asian Regional Roundtable</i> , Jakarta, [27 – 28 July 2022]
	Key Takeaways, 'Exploring New Development Paradigms and Growth Strategies - Partnerships in times of Transitions and Contestations', <i>Delhi Process VI Conference</i> , Research and Information System for Developing Countries (RIS), New Delhi, [27 – 28 August 2022]
	Participant, 'ASEAN SME Policy Index 2024', <i>Regional Kick Off Meeting</i> , ASEAN, online, [26 – 27 July 2022]
	Speaker, 'The COVID-19 Pandemic: Its Impact on ASEAN Connectivity and Recovery Strategies', OECD, online, [28 June 2022]
	Speaker, <i>30 Years of ASEAN-India Relations Delhi Dialogue XII</i> , Ministry of Foreign Affairs India, ASEAN, ERIA, Research, and the Information System for Developing Countries (RIS), ASEAN India Centre (AIC), New Delhi, [16 – 17 June 2022]
	Moderator, '10th OECD-AMRO-ADB/ADBI-ERIA Asian Regional Roundtable on Macroeconomic and Structural Policies', Asian Development Bank, online, [15 – 16 June 2022]
	Speaker, 'Supply Chains and the International Trade Order: Policy Tools for Uncertain Times', Asia Society Australia, online, [31 May 2022]
	Speaker, 'Financing and Operations of Multilateral Development Banks: A Clients Perspective', ODI, online, [18 May 2022]
	Speaker, 'ASEAN Economic Outlook: Prospect for Growth and Regional Cooperation webinar', <i>ERIA/Refinitiv/ADB Webinar</i> , ADB SEADS, Refinitiv, and ERIA, online, [28 April 2022]

Researcher	International Workshop/Conference/Lectures
	<p>Speaker, <i>Roundtable on Towards new Economic Cooperation in the Indo-Pacific region: Integrating UK, Europe, and Asia Perspectives</i>, The International Institute for Strategic Studies (IISS), online, [29 March 2022]</p> <p>Speaker, 'Delivering Trade Policy that Works for Business – the Ratification of RCEP', <i>The Economist Asia Trade Week 2022</i>, The Economist, [15 March 2023]</p> <p><i>The Ninth SEARP Steering Group Meeting</i>, OECD SEARP Secretariat, [10 February 2022]</p> <p><i>T20 Inception Meeting</i>, T20 Secretariat, [9 - 10 February 2022]</p> <p>'OECD Southeast Asia Ministerial Forum', OECD SEARP Secretariat, online, [9 February 2022]</p> <p>'G20 Meeting', G20 Secretariat, online, [24 January 2022]</p> <p>Lecturer, 'Winter School on EU-ASIA Relations in a Multipolar World', Manipal Centre for European Studies, online, [10 – 15 January 2022]</p>
<b>Alloysius Joko Purwanto</b>	<p>Presenter, 'Potential, Policies, and Issues for the Renewable Electricity Purchase Price: The Cases of Indonesia, Viet Nam, and the Philippines', at the 12<sup>th</sup> Annual SKBI Conference on 'Greening Energy Infrastructure', organised by Singapore Management University Sim Kee Boon Institute for Financial Economics in partnership with Singapore Green Finance Centre, Singapore, [5 – 6 December 2022]</p> <p>Panellist, at the 5<sup>th</sup> Workshop on the 'Expanded Role of Natural gas in Sustainable Development', organised on videoconference by the Gas Exporting Countries Forum (GECF), [5 October 2022]</p> <p>Panellist, 'Hydrogen and FCEV Application in Freight Industry session', at the 'Future of Hydrogen in Mobility' at the Webinar organised by the King Abdullah Petroleum Studies and Research Center (KAPSARC), [28 September 2022]</p> <p>Presenter, 'Hydrogen Demand &amp; Supply in ASEAN's Industry Sector: Current Situation and the Potential for a Greener Future', at 17<sup>th</sup> EAEA International Convention, organised by the East Asian Economic Association (EAEA), Kuala Lumpur, Malaysia, [27-28 August 2022]</p> <p>Speaker, 'Feasible Solutions to Deliver LNG for Power Generations in Southeast Asian Archipelago', at the 4<sup>th</sup> Japan Energy Summit, organised by JERA &amp; Tokyo Gas, Tokyo, Japan, [2-4 August 2022]</p> <p>Presenter, 'An Optimal Hydrogen Development Strategy for ASEAN', at the 3<sup>rd</sup> IAEE International Conference, organised by the International Association of Energy Economics (IAEE), Tokyo, Japan, [31 July – 4 August 2022]</p>
<b>Fauziah Zen</b>	<p>Moderator, 'Blended Finance for Water Resources Sector', Panel Dialogue and Rectangular Table, ITB Bandung, [9 March 2023]</p> <p>Moderator, <i>The Kick-off Meeting of the 10<sup>th</sup> World Water Forum</i>, Jakarta Convention Centre, Jakarta, [16 February 2023]</p> <p>Chair, 'Government Support and Private Sector's Perspective on Public Private Partnership for Water Resources Infrastructure', Seminar Series of Indonesia as The 10th Host of World Water Forum 2024, Jakarta, [7 February 2023]</p> <p>Speaker, 'Inclusive Growth', CADP 3.0 Conference, Phnom Penh, [9 November 2022]</p>

Researcher	International Workshop/Conference/Lectures
	Presenter, 'The Effect of Environmental Tax - Spending Mix on Province Air Quality Index', 2022 Global Development Conference: Tax Policy for Sustainable Development, Clermont Ferrand, France
	Speaker, 'Social Security Challenges', Workshop on Implementation on Social Security Schemes on Healthcare and Pension for the self-employed, Siem Reap, Cambodia, [3-4 November 2022]
	Panellist, 'India's G20 Presidency: Crafting an Indian Narrative on Resilient, Inclusive and Sustainable Economy (RISE)', ICRIER's 14th Annual International G-20 Conference, [1 November 2022]
	Panellist, 'Infrastructure Development through Innovation and Collaborative Financing: Toward Greater Inclusivity and Productivity', Special Event Toward G20 Summit, Washington DC, USA, [11 October 2022]
	Chair, 'Infrastructure Development through Innovation and Collaborative Financing: Toward Greater Inclusivity and Productivity', Special Event Toward G20 Summit, Washington DC, USA, [10 October 2022]
	Chair, 'Advancing Sustainable and Inclusive Infrastructure Investment: A Collaborative Seminar Between the Indonesian G20 Presidency and G20 Engagement Groups (Business 20, Think 20, and Urban 20)', Yogyakarta, [14 September 2022]
	Moderator, Session 'Promoting Sustainable Investment and Financing (SIF) as A New Approach for Infrastructure Development', T20 Summit 2022, [Bali, 4-6 September 2022]
	Co-Chair of Task Force 8: Resilient Infrastructure and Financing T20 Indonesia, Bali, [4-6 September 2022]
	Chair, 'Expert Panel Dialogue on Urban Infrastructure Agenda in G20: The Need to Establish a Global Investment Platform for Urban Development', U20, T20, G20 collaboration, online, [11 August 2022]
	Chair for New Financing for Energy Transition, 'High Level Forum on Trade, Investment, and Industry', G20 TII Ministerial Meeting, Jakarta, [26-27 July 2022]
	Chair and Presenter, 'Financing Infrastructure Resilient', T20 Policy Brief, The 17 <sup>th</sup> IRSA International Conference, Lombok, [18-19 July 2022]
	Speaker, 'Strengthening Social Protection in ASEAN Member States', Phnom Penh, Online, [14-15 July 2022]
	Panellist, 'Indo-Pacific Connectivity', New Delhi, Online, [8 April 2022]

# Annex H

## Selected Media Exposure



The full list can be downloaded at:

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
1	<b>Entrepreneurship, Start-ups and Innovation Knowledge Lab launched</b>	The Khmer Times	E-S-I Knowledge Lab Launch was reported	27-Mar-2023
2	<b>The Future of Natural Gas In Asia</b>	Energy Tracker	ERIA - GECF co-hosted workshop was covered	23-Mar-2023
3	<b>How To Reduce Single-Use Plastics Using The Nudging Strategy? – OpEd</b>	Eurasia Review	An op-ed by Mr Ayako Mizuno was published	20-Mar-2023
4	<b>ASEAN makes further progress in developing ASEAN Community’s Post-2025 Vision</b>	ASEAN	ERIA was mentioned	19-Mar-2023
5	<b>Indonesia-Japan Increase Awareness of Developmental Disabilities</b>	Indonesia Posts English	ERIA’s Health care Unit activity was reported	10-Mar-2023
6	<b>Ekosistem Mobil Listrik ASEAN Butuh Rantai Pasokan Regional</b>	Deutsche Welle	Dr Joko was quoted	10-Mar-2023
7	<b>Indonesia ingin perbanyak “people-to-people exchange” Asia dan Eropa</b>	ANTARA News	Dr Lurong was quoted	09-Mar-2023
8	<b>Asean’s natural gas demand to double by 2050</b>	Khmer Times	Prof Nishimura was quoted, in a workshop, organised jointly by Economic Research Institute for ASEAN and East Asia (ERIA) and Gas Exporting Country Forum (GECF)	08-Mar-2023
9	<b>ERIA conducting survey on sustainable agriculture in Sultanate</b>	Borneo Bulletin	ERIA’s reseach on agriculture was covered	03-Mar-2023
10	<b>Vietnam Attends Meeting of ASEAN National Tourism Organisations</b>	Vietnam Times	ERIA’s research was mentioned	04-Feb-2023
11	<b>“Is Asean ready for green hydrogen?”</b>	Bangkok Post	ERIA’s research was mentioned	30-Jan-2023
12	<b>Indonesia’s RCEP entry gives Cambodia trade a boost</b>	The Khmer Times	Prof Urata was quoted	05-Jan-2023

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
13	<b>Workshop discusses ways for industrial development in Vietnam</b>	Times of News	ERIA's - CIEM co-hosted workshop was reported	02-Jan-2023
14	<b>Analysis: Can Indonesia ditch coal and improve lives with new green deal?</b>	Reuters	Dr Joko was interviewed	18-Nov-2022
15	<b>Meetings set to boost global governance</b>	China Daily	Dr Lili was interviewed	15-Nov-2022
16	<b>Digitalisation key to upgrading traditional biz, says minister</b>	The Khmer Times	Prof Nishimura's speech from the CADP launch event was quoted	14-Nov-2022
17	<b>ASEAN Leaders Support a Cambodian Senior Official to be New Secretary General of ASEAN</b>	Cambodia News Gazette	ERIA was mentioned	11-Nov-2022
18	<b>PM Hun Sen excels in global politics</b>	The Khmer Times	An op-ed by Mr Kavi Chongkittavorn was published	11-Nov-2022
19	<b>Asean – economic giant in the making with unique growth story</b>	The Khmer Times	Dr Aladdin was interviewed	07-Nov-2022
20	<b>ANALYSIS-Indonesia to strike green energy deal with rich nations at G20 summit</b>	Reuters	Dr Joko was interviewed	04-Nov-2022
21	<b>IP rights are key to sustainability</b>	Bangkok Post	An op-ed by Ms Michelle Chandra Kasih was published	04-Nov-2022
22	<b>Asean to be driving force for RCEP's success</b>	The Khmer Times	Prof Urata was quoted	04-Nov-2022
23	<b>RCEP Agreement Marks 10-Year Anniversary</b>	Cambodia News Gazette	ERIA's RCEP book launch event was covered	02-Nov-2022
24	<b>RCEP expected to increase regional trade volume by 40 billion USD</b>	Vietnam Plus	ERIA's RCEP book launch event was covered	02-Nov-2022
25	<b>PM Hun Sen's Remarks at Opening of High-level Forum at the 10th Anniversary of RCEP</b>	Fresh News English	ERIA's RCEP book launch event was covered	02-Nov-2022
26	<b>ERIA holds East Asia Summit Hydrogen workshop in Japan</b>	H2 Bulletin	ERIA's co-hosted Energy workshop was covered	27-Oct-2022
27	<b>In search of a development plan for Asia</b>	The Japan Times	CADP publications was covered	20-Oct-2022
28	<b>Indonesia to strike green energy deal with rich nations</b>	The Gulf Times	Dr Joko was mentioned	20-Oct-2022

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
29	<b>ASEAN Vision Beyond 2025' takes spotlight in 11 ERIA Editors Roundtable in Phnom Penh</b>	The Khmer Times	ERIA Editors' Roundtable was reported	19-Oct-2022
30	<b>ASEAN commits to promote good regulatory practices in the region</b>	ASEAN	Dr Rashesh was mentioned	18-Oct-2022
31	<b>ASEAN Socio-Cultural Community Council meeting highlights productive year in achieving priorities</b>	ASEAN	ERIA's support to ASCC was acknowledged by Dr. Hang Chuon Naron in the The ASEAN Socio-Cultural Community (ASCC) Council Gathering	17-Oct-2022
32	<b>Carbon targets: Cambodia needs to go faster to be neutral</b>	Archynetya	Dr Phoumin was interviewed	17-Oct-2022
33	<b>Asia development plan worth considering</b>	China Daily	ERIA's CADP publication was mentioned	10-Oct-2022
34	<b>Cambodia emphasizes need to enhance ASEAN connectivity</b>	China Daily	ERIA's participation at the 55th ASEAN Foreign Ministers' Meeting in Phnom Penh was recorded	04-Oct-2022
35	<b>Experts doubtful about RI's plan on carbon capture</b>	The Jakarta Post	Dr Joko's was quoted	04-Oct-2022
36	<b>Opening Ceremony of 13th ASEAN Connectivity Symposium</b>	Cambodia News Gazette	The 13th ASEAN Connectivity Symposium was reported	03-Oct-2022
37	<b>Civil Society role imperative in advancing inclusive development in Indo-Pacific region</b>	The Economic Times	Dr Lurong was quoted	03-Oct-2022
38	<b>Chinese organizations awarded for addressing challenges in aging societies</b>	People's Daily	ERIA Healthcare Unit's activity was recorded	01-Oct-2022
39	<b>18 countries accelerating regional trade towards a digital economy</b>	News Directory	CADP publications was covered	29-Sep-2022
40	<b>In Search Of A Development Plan For Asia</b>	The Middle East North Africa Financial Network	ERIA's CADP book launch event was covered	29-Sep-2022
41	<b>Japan, South Korea, Taiwan buy Russia's fuel but face less criticism than India as they're 'against sanctions': analysts</b>	South China Morning Post	Dr Phoumin was interviewed	26-Sep-2022
42	<b>The fight goes on</b>	Borneo Bulletin	The 5th East Asia Energy Forum (EAFF) was reported	19-Sep-2022

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
43	<b>Join hands for climate change fight, energy security, says Minister</b>	The Khmer Times	The 5th East Asia Energy Forum (EAEF) was reported	14-Sep-2022
44	<b>Trade, supply chains on agenda as Asian nations start two-day talks with US</b>	The Straits Times	Ms Lydia Ruddy was mentioned	08-Sep-2022
45	<b>Kingdom urged to stay on course for carbon neutrality</b>	The Khmer Times	ERIA's co-hosted Energy workshop was covered	05-Sep-2022
46	<b>Japan PM to call for development and construction of new-generation nuclear power plants -Nikkei</b>	Reuters	Prof Jun Arima was quoted	24-Aug-2022
47	<b>Rising gas prices put carbon targets in jeopardy</b>	The Khmer Times	ERIA - ERIN Energy Workshop was recorded	23-Aug-2022
48	<b>ASEAN, ERIA Discuss Sports Through Socio-Economic Perspectives</b>	The ASEAN Magazine	ERIA's participation at the ASEAN Senior Officials Meeting on Sports (SOMS) was recorded	17-Aug-2022
49	<b>ASEAN sports-focus for post-pandemic recovery</b>	The Phnom Penh Post	Prof Nishimura's participation in ASEAN ASCC workshop was recorded	11-Aug-2022
50	<b>TIIWG can help achieve sustainable industrialization: minister</b>	Antara News	ERIA's co-hosted High Level Forum on Trade Investment and Industry was covered	27-Jul-2022
51	<b>Unite with APAC industry leaders at Reuters Events: Energy Transition Asia Pacific 2022</b>	Solar Magazine	Prof Hidetoshi Nishimura was mentioned	27-Jul-2022
52	<b>Asean needs inclusive education</b>	The Bangkok Post	An op-ed by Ms Rubeena Singh, ERIA's External Consultant on Inclusive Education, was published	11-Jul-2022
53	<b>Opinion – All was not lost at the G20 in Bali</b>	Phuket Times	An Op-ed by Mr Kavi Chongkittavorn was published	09-Jul-2022
54	<b>Opinion: Gasoline Costs Lay Path for Electric Vehicles</b>	Cambodianess	Mr Han Phoumin was quoted	04-Jul-2022
55	<b>MSMEs play major role in global economic recovery</b>	The Jakarta Post	Dr Lili Yan Ing was quoted	04-Jul-2022
56	<b>Sowing the seeds for a richer harvest</b>	Borneo Bulletin	Prof Nishimura was quoted	03-Jul-2022
57	<b>Addressing The Digital Divide In ASEAN – Analysis</b>	Eurasia Review	An Op-ed by Dr Giulia was published	01-Jul-2022

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
58	<b>China can play key role in helping region through difficult times, analysts say</b>	China Daily	Dr Lili Yan Ing was quoted	30-Jun-2022
59	<b>RCEP is about regional, global integration, says Sophea</b>	The Khmer Times	Webinar 'Unpacking the RCEP Agreement for Cambodian Businesses: Dialogue 4 – Investment Chapter' was covered	30-Jun-2022
60	<b>Asean eyes solutions to marine plastic pollution</b>	The Star	RKC-MPD's activity was reported	24-Jun-2022
61	<b>ASEAN eyes solutions for marine plastic pollution</b>	Phnom Penh Post	RKC-MPD's activity was reported	23-Jun-2022
62	<b>ASEAN holds policy dialogue on regional circular economy   World   Vietnam+ (VietnamPlus)</b>	Vietnam Plus	ERIA's Multi-Stakeholder Policy Dialogue on Empowering ASEAN For Circular Economy Event was recorded	20-Jun-2022
63	<b>Prak Sokhonn to Cement India Ties</b>	Cambodianess	ERIA was mentioned	15-Jun-2022
64	<b>Cambodia's coal commitments delay greener, cheaper power options</b>	The Khmer Times	Dr Phoumin was interviewed	14-Jun-2022
65	<b>Mekong-U.S. Partnership Track 1.5 Policy Dialogue Summary Report on Connectivity</b>	The Stimson Center	ERIA E-S-I Knowledge Lab's activity was recorded	14-Jun-2022
66	<b>Leadership changes in the Indo-Pacific</b>	The Bangkok Post	An op-ed by Mr Kavi Chongkittavorn was published	07-Jun-2022
67	<b>Addressing the Digital Divide in ASEAN</b>	East Asia Forum	An op-ed by Dr Giulia was published	05-Jun-2022
68	<b>Entrepreneurship, Start-ups and Innovation Knowledge Lab launched</b>	Open Development Cambodia	ERIA E-S-I Knowledge Lab's activity was recorded	02-Jun-2022
69	<b>Rising energy demand, climate goals pose big challenge for Asean</b>	The Khmer Times	Dr Phoumin was interviewed	31-May-2022
70	<b>Robust and risky Asean</b>	The Bangkok Post	ERIA was mentioned	30-May-2022
71	<b>How Covid restrictions are choking China's economy</b>	The Asian Age	Dr Lurong was quoted	28-May-2022
72	<b>Journalists sharpen their pen at ERIA-Khmer Times workshop</b>	The Khmer Times	ERIA-Khmer Times workshop was recorded	26-May-2022
73	<b>GECF Secretary General Indicates Natural Gas Expansion in G20, Asia</b>	Egypt Oil & Gas	ERIA co-hosted event was recorded	15-May-2022

No.	Title of News Item or Article	Media where it appeared	Event/Details	Date
74	<b>Is inclusive education a myth?</b>	The Bangkok Post	An op-ed by Dr Giulia was published	13-May-2022
75	<b>Offsetting our carbon footprint: A way to make every day Earth Day</b>	The Jakarta Post	An op-ed by ERIA's Research Associates, Ms Dian Lutfiana and Ms Citra Endah was published	07-May-2022
76	<b>China's Covid policy adding to headwinds confronting Asean</b>	The Business Times	Ms Anita Prakash was quoted	28-Apr-2022
77	<b>Japan pushes new diplomatic profile</b>	The Bangkok Post	an op-ed by Mr Kavi Chongkittavorn was published	26-Apr-2022
78	<b>For a healthier planet</b>	Borneo Bulletin Online	Dr Anbu was quoted	26-Apr-2022
79	<b>MUFG to help ASEAN adopt tech for slower shift away from carbon</b>	Nikkei Asian Review	ERIA was mentioned	25-Apr-2022
80	<b>ASEAN Economic Outlook: Prospects for Growth and Regional Cooperation</b>	Asia Research News	Dr Lurong was quoted	22-Apr-2022
81	<b>UN's Kingdom LDC graduation triennial review in 2024</b>	The Khmer Times	ERIA's research was mentioned	20-Apr-2022
82	<b>Don't leave small businesses behind</b>	The Bangkok Post	ERIA's research was mentioned	18-Apr-2022
83	<b>Geocycle Philippines strengthens sustainable waste management</b>	The Sun Star	ERIA RKC-MPD's activity was recorded	17-Apr-2022
84	<b>Japan stays fully committed to the 'Make in India' initiative</b>	India Education Diary	Prof Kimura was quoted	17-Apr-2022
85	<b>China's BYD Combustion Engine Phase-out Is Good News for EV Consumers</b>	Tech 360	ERIA's research was mentioned	05-Apr-2022

# Annex I

## Publications



### Books

No.	Title	Editor(s)	ISBN
1	<b>Accelerating Digital Transformation in Indonesia: Technology, Market, and Policy</b>	Lurong Chen, Kalamullah Ramli, Fithra Faisal Hastiadi, Muhammad Suryanegara	978-6025-460-43-2
2	<b>Assessing the Impacts of COVID-19: Regional Policies and Practices for Green Recovery</b>	Venkatachalam Anbumozhi, Kaliappa Kalirajan, Xianbin Yao	978-602-5460-38-8
3	<b>Dynamism of East Asia and RCEP: The Framework for Regional Integration</b>	Fukunari Kimura, Shujiro Urata, Shandre Thangavelu, Dionisius A. Narjoko	978-6025-460-45-6
4	<b>New Normal, New Technologies, New Financing</b>	Lili Yan Ing, Dani Rodrik	978-602-5460-41-8
5	<b>Non-tariff Measures Australia, China, India, Japan, New Zealand, Republic of Korea</b>	Lili Yan Ing, Denise Penello Rial, Rizqy Anandhika	978-602-5460-39-5
6	<b>Older People and COVID-19 in Indonesia (2022 Edition)</b>	Ni Wayan Suriastini, Endra Dwi Mulyanto, Ika Yulia Wijayanti, Osuke Komazawa, Takuma Kato, Maliki, Dinar Dana Kharisma	978-602-5460-40-1
7	<b>Regional Comprehensive Economic Partnership: Implications, Challenges, and Future Growth of East Asia and ASEAN</b>	Fukunari Kimura, Shandre Thangavelu, Dionisius A. Narjoko	978-6025-460-44-9
8	<b>The Comprehensive Asia Development Plan (CADP) 3.0: Towards an Integrated, Innovative, Inclusive, and Sustainable Economy</b>	ERIA	978-6025-460-42-5



## Research Project Reports

No.	Title	Author(s)/Editor(s)	Number
1	<b>Agents of Care Technology Transfer: Trends and Challenges of Migration Care Workers Across Borders</b>	Yuko O. Hirano, Osuke Komazawa, Nagasaki University	RPR-2022-06
2	<b>Analysis of Future Mobility Fuel Scenarios Considering the Sustainable Use of Biofuels and Other Alternative Vehicle Fuels in East Asia Summit Countries – Phase II</b>	Shinichirou Morimoto, Shabbir Gheewala, Nuwong Chollacoop, Venkatachalam Anbumozhi	RPR-2022-16
3	<b>Cambodia Energy Statistics 2000–2019</b>	Ministry of Mines and Energy, Cambodia, ERIA	RPR-2022-18
4	<b>Decarbonisation of ASEAN Energy Systems: Optimum Technology Selection Model Analysis up to 2060</b>	Shigeru Kimura, Yoshiaki Shibata, Soichi Morimoto, Kei Shimogori, Yuji Mizuno	RPR-2022-11
5	<b>Decarbonisation of Thermal Power Generation in ASEAN Countries</b>	Akira Matsumoto, Han Phoumin	RPR-2022-05
6	<b>Demand and Supply Potential of Hydrogen Energy in East Asia – Phase 3</b>	Shigeru Kimura, Alloysius Joko Purwanto, Ichiro Kutani, Takahisa Hiruma, Dian Lutfiana, Citra Endah Nur Setyawati	RPR-2022-04
7	<b>Empowering Women Entrepreneurs in Eastern Indonesia</b>	Giulia Ajmone Marsan, Amelia Litania, Lina Maulidina Sabrina	RPR-2022-13
8	<b>Forecast of Biomass Demand Potential in Indonesia: Seeking a Business Model for Wood Pellets</b>	Shigeru Kimura, Han Phoumin, Alloysius Joko Purwanto, Dian Lutfiana, Yoshinobu Kusano, Cecilya Laksmiwati Malik, Saleh Abdurrahman	RPR-2022-01
9	<b>Health and Long-term Care Information in Ageing Asia</b>	Reiko Hayashi, Osuke Komazawa	RPR-2022-07
10	<b>Inclusive Education in ASEAN: Fostering Belonging for Students with Disabilities</b>	Rubeena Singh	RPR-2022-03
11	<b>Public Attitudes Towards Energy Policy and Sustainable Development Goals in ASEAN</b>	Hisashi Yoshikawa, Venkatachalam Anbumozhi	RPR-2022-12
12	<b>Regional Integration in Indo-Pacific: Connectivity, Cooperation, and New Supply-Chain Linkages</b>		RPR-2022-18

No.	Title	Author(s)/Editor(s)	Number
13	<b>Small Modular Reactor (SMR) Deployment: Advantages and Opportunities for ASEAN</b>	Tomoko Murakami, Venkatachalam Anbumozhi	RPR-2022-10
14	<b>Special Report of COVID-19 Impacts on Energy Demand and Energy-Saving Potential in East Asia, 2021</b>	Shigeru Kimura, Han Phoumin	RPR-2022-17
15	<b>Study on Enhanced Flexibilisation of Coal-fired Power Plants for Optimal Grid Stabilisation in the ASEAN Region</b>	Yamada Fumiko, Murakami Kazuyuki, Han Phoumin	RPR-2022-02
16	<b>Study on Policies and Infrastructure Development for the Wider Penetration of Electrified Vehicles in ASEAN Countries</b>	Naoko Doi, Alloysius Joko Purwanto, Shigeru Suehiro, Toshiya Okamura, Kazuhisa Takemura, Masami Iwai, Akira Matsumoto, Keita Katayama	RPR-2022-18
17	<b>Technology and Disability: Trends and Opportunities in the Digital Economy in ASEAN</b>	Ashling Cashmore	RPR-2022-14
18	<b>The Strategic and Economic Value of Joint Oil Stockpiling Arrangements for Middle East Exporters and ASEAN Importers</b>	Tetsuo Morikawa, Alloysius Joko Purwanto, Majed Al Suwailem	RPR-2022-09
19	<b>The Strategies of National Oil Companies in Southeast Asia under Energy Transition</b>	Ichiro Kutani, Mitsuru Motokura, Masaru Kawachino, Alloysius Joko Purwanto	RPR-2022-15



## Discussion Papers

No.	Title	Author(s)	Number
1	<b>Adoption of Sustainable Practices for Improving Agricultural Productivity in Viet Nam</b>	Huong-Giang Pham, Tuong-Anh T. Nguyen, Hoang-Nam Vu	470
2	<b>Australia's Interests in East Asia's Regional Comprehensive Economic Partnership</b>	Shiro Armstrong	433
3	<b>Availability of Gender-Disaggregated Data on the ASEAN Digital Economy</b>	Araba Sey	468

No.	Title	Author(s)	Number
4	<b>Centrality and Community: ASEAN in the Regional Comprehensive Economic Partnership</b>	Soo Yeon Kim	447
5	<b>Changes in Trade and Investment Policies in Thailand and the Implications for Medium-term Growth</b>	Archanun Kohpaiboon, Juthathip Jongwanich	436
6	<b>China and the Regional Comprehensive Economic Partnership: An Economic and Political Perspective</b>	Zhang Yunling	434
7	<b>Comparison of the Regional Comprehensive Economic Partnership (RCEP) and Other Free Trade Agreements (FTAs)</b>	Inwon Park	439
8	<b>COVID-19, Telework Patterns Within a City, and Changes in Urban Structure – Preliminary Findings</b>	Ikumo Isono, Kazuhiro Nara	430
9	<b>Do Management Interventions Last? Evidence from Vietnamese SMEs</b>	Yuki Higuchi, Vu Hoang Nam, Tetsushi Sonobe	471
10	<b>Economic and Technical Cooperation in the Regional Comprehensive Economic Partnership: Focus Areas and Support for Small and Medium-sized Enterprises</b>	Cassey Lee	459
11	<b>FDI Spillover Effects: Evidence from the Philippines</b>	Rafaelita M. Aldaba, Angel Derrickvhel Quejada	437
12	<b>Gender Security and Safety in the ASEAN Digital Economy</b>	Araba Sey	465
13	<b>Global Value Chain Indicators: A Survey and Application to RCEP</b>	Chandra T. Putra	460
14	<b>Global Value Chain Participation and Labour Productivity in Manufacturing Firms in Viet Nam: Firm-Level Panel Analysis</b>	Upalat Korwatanasakul, Tran Thi Hue	463
15	<b>Heyday of Asian Regionalism? The Implications of the Regional Comprehensive Economic Partnership for the United States</b>	Mireya Solís	435
16	<b>How Preferential are RCEP Tariffs?</b>	Kazunobu Hayakawa	442
17	<b>Impact of the Regional Comprehensive Economic Partnership (RCEP): A Global Computable General Equilibrium (CGE) Simulation</b>	Ken Itakura	451
18	<b>Impacts of FDI Presence and Product Sophistication on the Demand for Skilled and Unskilled Labour: Evidence from SMEs in Viet Nam</b>	Quang Hoan Truong, Van Chung Dong	469

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19	<b>International Production Network in the Next Generation and the Role of RCEP</b>	Mitsuyo Ando, Fukunari Kimura, Kenta Yamanouchi	452
20	<b>Investment Liberalisation in East and Southeast Asia</b>	Toshiyuki Matsuura	457
21	<b>Japan and the Regional Comprehensive Economic Partnership (RCEP)</b>	Mie Oba	461
22	<b>Opportunities and Challenges for ASEAN and East Asia from the Regional Comprehensive Economic Partnership on E-Commerce</b>	Jane Kelsey	443
23	<b>Potential Impact of RCEP and Structural Transformation on Cambodia</b>	Shandre M Thangavelu, Vutha Hing, Ea Hai Khov, Bunroth Khong, Seychanly Tith	453
24	<b>Prediction Errors of Macroeconomic Indicators and Economic Shocks for ASEAN Member States, 1990–2021</b>	Masahito Ambashi, Fusanori Iwasaki, Keita Oikawa	431
25	<b>Productivity Effects of Viet Nam's Rice Land Restrictions</b>	Peter Warr, Huy Quynh Nguyen	472
26	<b>RCEP and Indonesia: Economic Reform and Prospects for Implementation</b>	Yose R. Damuri, Deni Friawan	467
27	<b>RCEP and Modern Services</b>	Christopher Findlay, Xianjia Ye, Hein Roelfsema	456
28	<b>RCEP Services Liberalisation: Key Features and Implications</b>	Ramonette B. Serafica, Intan Murnira Ramli	450
29	<b>Regional Comprehensive Economic Partnership, ASEAN's Agency, and the Role of ASEAN Members in Shaping the Regional Economic Order</b>	Huong Le Thu	448
30	<b>Regional Comprehensive Economic Partnership: Economic Backgrounds of ASEAN and Its Dialogue Partners</b>	Keita Oikawa, Fusanori Iwasaki, Shujiro Urata	449
31	<b>Restrictiveness of RCEP Rules of Origin: Implications for Global Value Chains in East Asia</b>	Archanun Kohpaiboon, Juthathip Jongwanich	455
32	<b>The Implications of the Regional Comprehensive Economic Partnership (RCEP) for Asian Regional Architecture</b>	Shiro Armstrong, Peter Drysdale	454
33	<b>The Indo-Pacific Partnership and Digital Trade Rule Setting: Policy Proposals</b>	Lurong Chen	466

No.	Title	Author(s)	Number
34	<b>The Investment Chapter in the Regional Comprehensive Economic Partnership: Enhanced Rules without Enforcement Mechanism</b>	Henry Gao	446
35	<b>The Post COVID-19 and RCEP: Pandemic Recovery in East Asia</b>	Shandre M Thangavelu, Shujiro Urata, Dionisius A. Narjoko	440
36	<b>The Regional Comprehensive Economic Partnership Agreement and Europe: Impact and Implications</b>	Hanns Günther Hilpert	441
37	<b>The Role of the Economic Research Institute for ASEAN and East Asia (ERIA) in Promoting the Regional Comprehensive Economic Partnership (RCEP)</b>	Fusanori Iwasaki, Keita Oikawa	462
38	<b>The Story of RCEP: History, Negotiations, Structure, and Future Directions</b>	Aladdin D. Rillo, Anna Maria Rosario D. Robeniol, Salvador Buban	438
39	<b>Trade Facilitation in RCEP Countries</b>	Wenxiao Wang, Shandre Thangavelu	444
40	<b>Trade Remedies Chapter</b>	Joseph Wira Koesnaldi, Yu Yessi Lesmana	458
41	<b>Traditional Services Trade in the Regional Comprehensive Economic Partnership</b>	Zhang Yan, Shandre Mugan Thangavelu	445
42	<b>What Determines Interfirm Trade Credit? Empirical Evidence from the ASEAN</b>	Sasidaran Gopalan, Ketan Reddy	432
43	<b>Women and Leadership in the ASEAN Digital Economy: Mapping the Rhetorical Landscape</b>	Araba Sey, Sara Kingsley	464



## Policy Briefs

No.	Title	Author(s)	Policy Brief Number
1	<b>ASEAN Digital Community 2040</b>	Lili Yan Ing, Ivana Markus	2022-11
2	<b>ASEAN's Role in the Threat of Global Economic Decoupling: Implications from Geographical Simulation Analysis</b>	Ikumo Isono, Satoru Kumagai	2022-10
3	<b>Exploring Short-term Solutions to the Global Gas Crisis</b>	Jun Arima, Hiroshi Hashimoto, Hussein Moghaddam, Yudo Dwinanda Priadi, Alloysius Joko Purwanto	2022-04
4	<b>Facilitating Global Trade and Investment and Leveraging Value Added in Downstream Industries</b>	Raihan M. Ramadhan, Pyan Amin Muchtar	2022-07
5	<b>Geographical Simulation Analysis for CADP 3.0</b>	Ikumo Isono, Satoru Kumagai, Keita Oikawa	2022-08
6	<b>Inclusive Education: Overcoming Barriers for Students with Disability in ASEAN</b>	Rubeena Singh	2022-02
7	<b>Mapping Innovation-Driven Entrepreneurial Ecosystems: An Overview</b>	Alessandro Rosiello, Matjaz Vidmar, Giulia Ajmone Marsan	2022-01
8	<b>New Dynamism in ASEAN and East Asia: The Role of the RCEP as a 'Living' Agreement</b>	Shandre Mugan Thangavelu, Fukunari Kimura, Shujiro Urata, Dionisius A. Narjoko	2022-03
9	<b>Redefining Indonesia's Digital Economy</b>	Militcyano Samuel Sapulette, Pyan Amin Muchtar	2022-06
10	<b>Reframing of Global Strategies and Regional Cooperation Pathways for an Inclusive Net-Zero Strategy in the Energy Transition Framework</b>	Fachry Abdul Razak Afifi, Venkatachalam Anbumozhi, Dongmei Chen, Alin Halimaussadiah, Vida Hardjono, Roes E.G. Lufti, Dian Lutfiana, Julio Mauricio, Alloysius Joko Purwanto, Prof. Widodo Wahyu Purwanto, Jitendra Roychoudhury, Citra Endah Nur Setyawati, Majed Al Suwailem, Wing T. Woo	2022-09

No.	Title	Author(s)	Policy Brief Number
11	<b>Structural Transformation and the Global Production Value Chain: Potential Impact of the Cambodia–Republic of Korea FTA on Cambodia</b>	Shandre Mugan Thangavelu, Vutha Hing	2022-12
12	<b>The Global Economic Outlook and the State of Indonesia</b>	Ivana Markus, Pyan Amin Muchtar	2022-05

## Co-Publications

No.	Title	Editor(s)	Publisher	ISBN
1	<b>Revisiting Electricity Market Reforms: Lessons for ASEAN and East Asia</b>	Han Phoumin, Rabindra Nepal, Fukunari Kimura, Gazi Salah Uddin, Farhad Taghizadeh-Hesary	Springer	978-981-19-4266-2
2	<b>Robots and AI: A New Economic Era</b>	Lili Yan Ing, Gene M. Grossman	Routledge	978-100-32-755-34
3	<b>Sustainable Development Goals and Pandemic Planning: Role of Efficiency Based Regional Approaches</b>	Venkatachalam Anbumozhi, Kaliappa Kalirajan, Fukunari Kimura	Springer	978-981-16-6734-3

# Annex J

## Capacity Building and Strategy & Partnership Event List

### Capacity Building

No	Date	Event	Participating Countries	Organizer	Supporter
1	6-9 March 2023	Structural Transformation, Sustainable Growth, and Regionalism: Challenges and Opportunities for Cambodia	Phnom Penh, Cambodia	ERIA CB	Australian Government
2	6-9 February 2023	ERIA Evidence-Based Capacity Building Second Workshop on RCEP, Regional Integration and Structural Transformation of Lao PDR	Vientiane, Lao PDR	ERIA CB	Australian Government
3	6-7 March 2023	Introduction to NTMs	Phnom Penh, Cambodia	ERIA CB	Australian Government
4	5-8 December 2022	ERIA Evidence-Based Capacity Building Workshop on RCEP, Regional Integration and Structural Transformation of Lao PDR	Vientiane, Lao PDR	ERIA CB	Australian Government
5	30-31 January 2023	Second Workshop on Servicification, Structural Transformation and the Pandemic Recovery Fourth Phase Study	Jakarta, Indonesia	ERIA Research	Australian Government
6	27-28 January 2023	Second Workshop on Global Value Chains, Urban Amenities and City Agglomerations: Structural Transformation and GVC Unbundling in East Asia, Fourth Phase Study, Jakarta, 27-28 January 2023	Jakarta, Indonesia	ERIA Research	Australian Government
7	8 December; 13 December 2022	Dissemination on RCEP Agreement for Lao PDR	Luang Prabang; Savannakhet,	ERIA CB	Australian Government
8	25-29 April 2022	Understanding Rules of Origin Under RCEP: Workshop for Lao PDR Provincial Officials	Virtual for Lao PDR	ERIA CB, Ministry of Industry and Commerce	Australian Government
9	20-24 June; 27-28 June	Technical Assistance on Transposition from AHTN/HS 2017 into AHTN/HS 2022 for Cambodia	Virtual for Cambodia	ERIA CB, Ministry of Commerce	Australian Government

No	Date	Event	Participating Countries	Organizer	Supporter
10	19-23 September 2022	Reinvigoration Programme for Existing Professionals	Jakarta, Indonesia	ERIA Research and ASEAN	Australian Government
11	19-22 April 2022	Technical Assistance on Transposition from AHTN/HS 2017 into AHTN/HS 2022 for Lao PDR	Virtual for Lao PDR	ERIA CB, Ministry of Industry and Commerce	Australian Government
12	16-18 January 2023	International Workshop on Climate Change and Agriculture: Methodologies and Policy Issues, Coimbatore,	Coimbatore, India	ERIA Research	Australian Government
13	14-15 July 2022	Workshop on the 'Cities, Urban Amenities, and Global Value Chain (Phase 4)' FY2022	Virtual Workshop	ERIA Research	Australian Government
14	12-14 September 2022	Climate Change Vulnerabilities, Social Impacts, Education for Autonomous Adaptation Tackled in Siam Reap Workshop	Siem Reap, Cambodia	Ministry of Environment, ERIA Research, ASEAN	Australian Government
15	10-11 August 2022	Public-Private Dialogue Series: Unpacking the RCEP Agreement and What it means for Lao PDR	Vientiane, Lao PDR	ERIA CB, Ministry of Industry and Commerce	Australian Government
16	04-Nov-22	Capacity Building Workshop: Monitoring and Implementing Free Trade Agreements in Cambodia: Challenges and Potential Gains	Phnom Penh, Cambodia	ERIA CB	Australian Government
17	17-Oct-22	Regional Socialisation of Good Regulatory Practice Handbook	Virtual workshop	ERIA Research	Australian Government
18	14-Jul-22	Unpacking the RCEP Agreement: Dialogue #5: Customs Procedures and Trade Facilitation	Virtual for Cambodia	ERIA CB, General Department of Customs and Excise of Cambodia (GDCE)	Australian Government
19	29-Jun-22	Unpacking the RCEP Agreement: Dialogue #4: Investment	Virtual for Cambodia	ERIA CB, Council for the Development of Cambodia (CDC)	Australian Government
20	23-May-22	Unpacking the RCEP Agreement, Public Private Dialogue 3: Trade in Services	Virtual for Cambodia	ERIA CB, Ministry of Commerce	Australian Government

## Strategy and Partnership

No	Date	Event	Organizer	Supporter
1	29 – 30 March 2023	ERIA at ADB SEADS Symposium 2023: Imaging Net Zero in ASEAN	ERIA SPP and ADB SEADS	Australian Government
2	22 March 2023	Innovating for a Greener Future in Asia	ERIA SPP and The Asian Network	Australian Government
3	1 – 3 March 2023	ERIA and The Neurodiversity at Work Research Centre Launch	ERIA SPP, Steps, Sasin Business School Bangkok	Australian Government
4	9 February 2023	ESI Knowledge Lab: Technology and Disability, : Trends and Opportunities in the Digital Economy in ASEAN	ERIA SPP	Australian Government
5	22 November 2022	Accelerating Digital Health Outcomes with The Cloud	ERIA SPP, ADB SEADS, AWS	Australian Government
6	3 November 2022	ESI Knowledge Lab: Female Entrepreneurs in the ASEAN Region: Innovation to Tackle Marine Plastic Wase	ERIA SPP, RKC-MPD	Australian Government
7	26 October 2022	ASEAN Economic Outlook: Building Strategies for Resilient and Sustainable Recovery	ERIA SPP, ADB SEADS, UN ESCAP	Australian Government
8	13 October 2022	ERIA at 2022 ASEAN Women Entrepreneurship	ERIA SPP with Ministry for Women Affairs, Cambodia	Australian Government
9	7 October 2022	ERIA Launches ESI Knowledge Lab in Ho Chi Minh City	ERIA SPP and The Asian Network	Australian Government
10	6 October 2022	Digital Transformation with the Cloud: Building Block for a Cloud-First Environment	ERIA SPP, ADB SEADS, AWS	Australian Government
11	30 September 2022	ERIA Launches ESI Knowledge Lab in Brunei Darussalam	ERIA SPP and The Asian Network	Australian Government
12	29 September 2022	ERIA and The Asian Network: The Future of Work in Asia	ERIA SPP and The Asian Network	Australian Government
13	23 September 2022	ERIA Launches ESI Knowledge Lab in Kuala Lumpur	ERIA SPP and The Asian Network	Australian Government
14	22 September 2022	ESI Knowledge Lab: Mapping the Innovation Driven Entrepreneurial Ecosystem in ASEAN	ERIA SPP and The Asian Network	Australian Government
15	5 September 2022	ERIA at APEC SME Workshop: Ready for the Next Normal, How MSMEs Should Adapt on the Evolving Market Landscape	ERIA SPP, APEC	Australian Government

No	Date	Event	Organizer	Supporter
16	2 – 4 September 2022	ERIA SPP at The Indonesia G20 Digital Innovation Network	ERIA SPP, Indonesia Ministry of Communication and Informatics	Australian Government
17	24 – 25 August 2022	ERIA SPP at G20 Ministerial Conference on Women Empowerment	ERIA SPP, Ministry of Women Empowerment and Child Protection	Australian Government
18	21 July 2022	ESI Knowledge Lab: Fostering Belonging for Student with Disabilities	ERIA SPP	Australian Government
19	5 July 2022	Dare to Start: Addressing Gender Gaps in Entrepreneurship in Asia	ERIA SPP, OECD	Australian Government
20	23 June 2022	ERIA Launches ESI Knowledge Lab in Singapore	ERIA SPP and The Asian Network	Australian Government
21	16 June 2022	ERIA and The Asian Network: The Future of Health Innovation in Asia	ERIA SPP and The Asian Network	Australian Government
22	25 May 2022	ERIA Launches ESI Knowledge Lab in Cambodia	ERIA SPP and The Asian Network	Australian Government
23	19 May 2022	ERIA and The Asian Network: Head and Heart Awards	ERIA SPP and The Asian Network	Australian Government
24	28 April 2022	ERIA and Unctad e-Commerce Week: How Can Women Entrepreneurship Boost Inclusion?	ERIA SPP and UNCTAD	Australian Government
25	28 April 2022	ASEAN Economic Outlook: Pushing Growth, Regional Cooperation for Stronger Pandemic Recovery	ERIA SPP, ADB SEADS, Refinitiv	Australian Government

## Knowledge Products (Policy Brief, Research Report, Event Report)

No	Date	Event	Organizer	Supporter
1	10 January 2023	Availability of Gender-Disaggregated Data on the ASEAN Digital Economy	ERIA SPP	Australian Government
2	13 December 2022	Gender Security and Safety in the ASEAN Digital Economy	ERIA SPP	Australian Government
3	13 December 2022	Women and Leadership in the ASEAN Digital Economy: Mapping the Rhetorical Landscape	ERIA SPP	Australian Government
4	15 November 2022	Technology and Disability: Trends and Opportunities in the Digital Economy in ASEAN	ERIA SPP and Impact46	Australian Government
5	4 October 2022	Inclusive Education: Overcoming Barriers for Students with Disability in ASEAN	ERIA SPP	Australian Government
6	15 July 2022	Building Prolific Entrepreneurship Ecosystem Ep 4: Women Entrepreneurs, Focusing at the Grassroots	ERIA SPP and CIIE.CO	Australian Government
7	7 June 2022	Building Prolific Entrepreneurship Ecosystem Ep 3: Innovation and Digitalisation in Agtech	ERIA SPP and CIIE.CO	Australian Government
8	31 May 2022	Mapping Innovation-Driven Entrepreneurial Ecosystems: An Overview	ERIA SPP	Australian Government
9	13 April 2022	Building Prolific Entrepreneurship Ecosystem Ep 2: Technology and Distribution Innovations in Healthtech	ERIA SPP and CIIE.CO	Australian Government

## About ERIA

The Economic Research Institute for ASEAN and East Asia (ERIA) is an international organisation providing research and policy support to ASEAN and the broader East Asia region and the ASEAN and East Asia summit processes. ERIA's policy research focuses on three pillars: deepening economic integration, narrowing developing gaps, and achieving sustainable development in the region.

ERIA's establishment was formally agreed amongst 16 heads of government at the Third East Asia Summit in Singapore on 21 November 2007. It works closely with the ASEAN Secretariat, researchers, and research institutes from East Asia.

ERIA is based in Jakarta, Indonesia.



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