



EMERGING CHALLENGES IN THE ENVIRONMENT LANDSCAPE: Addressing Climate Change, Sustainability, and Poverty

Terms of Reference

J-PAL Southeast Asia
Research-to-Policy
Conference

25 October 2022
08.00 – 13.00 WIB
Hotel Borobudur Jakarta

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J-PAL SEA Research-to-Policy Conference

Emerging Challenges in the Environment Landscape: Addressing Climate Change, Sustainability, and Poverty

Jakarta, Tuesday 25 October 2022

Climate change disproportionately affects people living in poverty and threatens to reverse decades of progress in global poverty alleviation. Many of these consequences are already being felt through worsening food security and extreme weather events that damage economies and displace populations. Not only are people living in poverty the most exposed to the damage of climate change because of where they live, but they also have the fewest resources to adapt to and cope with climate shocks. Policymakers have called for reductions in greenhouse gas (GHG) emissions, deforestation, depletion of natural resources that drive the climate-related harms closer to people experiencing poverty, and carbon co-pollutants contributing to public health crises in urban centers in low- and middle-income countries. At the same time, access to reliable and affordable energy in many parts of the world is urgently needed to support economic growth that can create opportunities to lift people out of poverty and help them better adapt to the more extreme weather that climate change will bring.

To date, much investment has focused on technological innovations to combat climate change. Yet, policy innovation, on which there is less evidence, is equally important. While the climate sphere is rich with data and evidence about the likely impacts of climate change on our economies and societies, in many cases, there is not yet evidence of the benefits and costs of programs and policies tested by randomized evaluations in the real world.

To further support the important work to build climate resiliency and a sustainable environment, the Abdul Latif Jameel Poverty Action Lab Southeast Asia (J-PAL SEA) is hosting a **research-to-policy conference** to identify critical policy questions in this sector and kickstart research collaborations. The theme of the conference is “**Emerging challenges in the environment landscape: Addressing climate change, sustainability, and poverty**”. This conference will provide insights into the Government of Indonesia’s policy directions and learnings from global evidence about challenges faced in the environmental sectors. The conference will be an important avenue to bring together actors working in environmental sectors and the public to disseminate and bridge discussion to solve challenges by building a strong network of collaboration between policymakers, practitioners, and academia.

GOALS

The conference has three goals:

1. To discuss Indonesia's policy directions and strategies and to share lessons from existing evidence in the environment sector with relevant stakeholders, including researchers, government, academics, development practitioners, and the public.
2. To build connection and collaboration between researchers working on environment, climate, and energy issues with government, academics, development practitioners, and the public that could help provide solutions for improving environmental sustainability in Indonesia and Southeast Asia.
3. To facilitate researchers, government, and NGO partners in collaborating to identify key policy issues and develop a randomized evaluation to produce rigorous evidence that can help inform policy decisions in the environment sector.

Welcoming Remarks Speakers

1. Lina Marliani - Executive Director, J-PAL SEA
2. Simon Ernst - Counsellor Development Effectiveness and Sustainability Section, Governance and Human Development Branch, Australia Embassy Jakarta
3. Rema Hanna - Scientific Director, J-PAL SEA; Jeffrey Cheah Professor of South-East Asia Studies, Harvard Kennedy School
4. Benjamin A Olken - Scientific Director, J-PAL SEA; Jane Berkowitz Carlton and Dennis William Carlton Professor of Microeconomics, MIT

KEYNOTE SPEAKER

1. Nadiem Anwar Makarim, B.A., M.B.A. - Minister of Education, Culture, Research, and Technology of Indonesia
2. Ir. Sigit Reliantoro, M.Sc. - Director, Directorate General of Environmental Pollution and Degradation Control, Ministry of Environment and Forestry

PLENARY SESSION

Moderated by: Alin Halimatussadiah – Head of Environmental Economic Research Group LPEM - FEB UI

Plenary Speakers:

1. Budy Resosudarmo - J-PAL Invited Researcher; Professor at the Arndt-Corden Department of Economics, Australia National University
2. Sudarno Sumarto - Policy Advisor, National Team for the Acceleration of Poverty Reduction (TNP2K)
3. Ryan Edwards - J-PAL Invited Researcher; Deputy Director and a Senior Policy Fellow at the Development Policy Centre, Australia National University

4. Robin Burgess - J-PAL Affiliated Professor; Professor of Economics, London School of Economics
5. Namrata Kala - J-PAL Affiliated Professor; Assistant Professor in Applied Economics, MIT
6. Ir. Medrilzam, M.Prof. Econ, Ph.D - Director of Environment, Ministry of National Development Planning

Workshop High-Level Stakeholder 1: Building Sustainable Forest and Marine Ecosystem

Moderated by: Dyah Puspitaloka Co-Leader Research Group III - CIFOR - ICRAF

Lead discussants:

1. Ryan Edwards - J-PAL Invited Researcher; Deputy Director and a Senior Policy Fellow at the Development Policy Centre, Australia National University
2. Benjamin A Olken - Scientific Director, J-PAL SEA; Jane Berkowitz Carlton and Dennis William Carlton Professor of Microeconomics, MIT
3. Herry Purnomo - Senior Scientist and Deputy Country Director Center, International Forestry Research
4. Umi Muawanah - Head of Research, Research Center for the Economics of Industries, Services, and Trades, Badan Riset dan Inovasi Nasional (BRIN)
5. Muhammad Yusuf - Directorate General of Coastal Sea and Small Islands, Ministry of Marine Affairs and Fisheries (TBC)

Workshop High-Level Stakeholder 2: Sustainable Energy

Moderated by: Professor Syahrir Ika, Main Researcher - BRIN

Lead discussants:

1. Oki Muraza - Senior Vice President Research, Technology, and Innovation, PT. Pertamina
2. Imelda - Andre Hoffman Assistant Professor in Environmental and Resource Economics, Geneva Graduate Institute
3. Rema Hanna - Scientific Director, J-PAL SEA; Jeffrey Cheah Professor of South-East Asia Studies, Harvard Kennedy School
4. Maxensius Sambodo - Energy Economist, Research Center for the Economics of Industries, Services, and Trades, Badan Riset dan Inovasi Nasional (BRIN)
5. Dr. M.Chatib Basri. Ph.D - Department of Economics, University of Indonesia (TBC)

Workshop High-Level Stakeholder 3: Air Pollution and Urban Transport

Moderated by: Milda Irhamni - Researcher

Lead discussants:

1. Luckmi Purwandari, ST., M.Si. - Director of Air Pollution Control, Ministry of Environment and Forestry (TBC)
2. Namrata Kala - J-PAL Affiliated Professor; Assistant Professor in Applied Economics, MIT
3. Ririn Radiawati - Indonesia Country Director for Environmental Health, Vital Strategies
4. Retno Wihanesta - Senior Program Lead For Urban Transport Planning, World Resource Institute (TBC)
5. Ikhwan Hakim ST, MSc, Ph.D - Direktur Transportasi, Ministry of National Development Planning/Bappenas (TBC)
6. Dr. Asep Sofyan, S.T, M.T. - Researcher - Faculty of Civil Engineering and Environment, Bandung Institute of Technology
7. Gonggomtua Eskanto Sitanggang - Senior Transport Manager - Institute for Transportation and Development Policy (TBC)

PARTICIPANTS

The main target of the event are policymakers, academics, and development practitioners whose scope of work is focused on the environment sector. The broad audience invited to this workshop are development practitioners from local and international organizations, non-governmental organizations (NGOs), academics, students, and the public interested in the environment, energy, and climate issues. The estimated total number of participants is up to 200 people.

DETAILS OF EVENT

Day, date : Wednesday, 25 October 2022
Time : 08.00 – 13.00 WIB
Location : Hotel Borobudur, Jakarta
Address : Jl. Lap. Banteng Selatan No.1, Ps. Baru, Kecamatan Sawah Besar, Central Jakarta, DKI Jakarta 10710

AGENDA

Note: antigen tests for the speaker and committee will be available before the start of the conference

TIME	AGENDA	DURATION (MINS)	SPEAKERS
08.00 am - 08:055 am	Participant registration	55'	
08.55 am - 09.05 am	Opening ceremony	10''	
09:05 am - 09:10 am	Opening remarks 1	5'	Lina Marliani Executive Director J-PAL Southeast Asia
09:10 am - 09:15 am	Opening remarks 2	5'	Kirsten Bishop Minister Counsellor, Governance and Human Development, Australia Embassy Jakarta
09.15 am - 09:25 am	Welcoming remarks and Introduction to J-PAL SEA and Overview of Environment Issues in Indonesia	10'	Rema Hanna & Benjamin A Olken Scientific Directors J-PAL Southeast Asia
09.25 am - 09.40 am	Keynote video	15'	Nadiem Anwar Makarim, B.A., M.B.A. Minister of Education, Culture, Research, and Technology of Indonesia
09.40 am – 09.55 am	Keynote presentation 2	15'	Ir. Sigit Reliantoro, M.Sc. Director, Directorate General of Environmental Pollution and Degradation Control, Ministry of Environment and Forestry

Plenary Session: How innovative environmental economics research contributes to informing key policies in the environment sector: lessons and examples from existing evidence.

Moderated by: Alin Halimatussadiah – Head of Environmental Economic Research Group LPEM - FEB UI

09.55 am - 10.05 am	Short Presentation 1 Evaluation of Payment for Ecosystem Services in Indonesia	10'	Sudarno Sumarto Policy Advisor, National Team for the Acceleration of Poverty Reduction (TNP2K) & Ryan Edwards Deputy Director and a Senior Policy Fellow at the Development Policy Centre, Australia National University
10.05 am - 10.15 am	Short Presentation 2 The impact of payments for ecosystem services on crop burning in India	10'	Namrata Kala J-PAL Affiliated Professor
10.15 am - 10.25 am	Short Presentation 3 The Economics of Tropical Deforestation	10'	Robin Burgess Professor of Economics, London School of Economics
10.25 am - 10.35 am	Short Presentation 4 Valuing the Benefits of Cleaner Air in Jakarta Metropolitan Area	10'	Budy Resosudarmo Professor at the Arndt-Corden Department of Economics, Australia National University
10.35 am – 10. 45 am	Short Presentation 5 Topic to be confirmed	10'	Ir.Medrilzam, M.Prof. Econ, Ph.D Director of Environment, Ministry of National Development Planning
10.45 am - 11.05 am	Question and Answer Session	20'	Moderated by: Alin Halimatussadiah – Head of Environmental Economic Research Group LPEM - FEB UI
11.05 am - 11.20 am	Coffee Break	15'	

High-level stakeholder workshop 1: Building Sustainable Forest and Marine Ecosystem

Indonesia has lost a significant portion of its humid primary forest with commodity-driven deforestation as one of its major drivers. This condition is worsened by more greenhouse gas emissions emitted by fire resulting from land clearing for agriculture. How can the government reduce the potential of forest burning in the future and what are the ways to restore the damaged forest ecosystem?

In addition, the management of marine protected areas also plays an important key role in improving the marine ecosystem. Efforts in reducing ocean plastic pollution, implementing sustainable fisheries methods, restoring damaged mangrove ecosystems, and improving the management of marine protected areas is the key component to improving the ecosystem. As Indonesia is moving to reduce plastic use and optimize recycling methods, there is a call for clear action in improving waste management by looking at the circular economy aspect. This session explores the key issues, policy options, and the way forward to protect the region's forest and marine ecosystem.

11.20 am - 11:25 am	Discussion format introduction by J-PAL SEA Scientific Director	5'	Benjamin A Olken - Scientific Director, J-PAL SEA; Jane Berkowitz Carlton and Dennis William Carlton Professor of Microeconomics, MIT
11:25 am - 11:30 am	Moderator Introduction	5'	Moderator: Dyah Puspitaloka Co-Leader Research Group III - CIFOR - ICRAF
11.30 am - 12.50 pm	Discussion of open questions	80'	All participants Moderated by: Dyah Puspitaloka Co-Leader Research Group III - CIFOR - ICRAF
12.50 pm - 13.00 pm	Concluding remark and closing	10'	Moderated by: Dyah Puspitaloka Co-Leader Research Group III - CIFOR - ICRAF
13.00 pm - finish	Lunch and networking		

High-level stakeholder workshop 2: Sustainable Energy

Energy is essential for sustaining growth and a key commodity to lift millions of lives out of poverty. However key issues varying from affordability, disparity of access, financing scheme, and transition from non-renewable sources to renewables lie at the center of the discussion. Many policymakers promote energy efficiency as a top strategy for reaching greenhouse gas emissions reduction targets to mitigate climate change. What is the way forward to transform Indonesia's energy mix into a more sustainable one and utilize the availability of potential natural sources such as geothermal, biomass, wind, and biogas?

11.20 am - 11:25 am	Discussion format introduction by J-PAL SEA Scientific Director	5'	Rema Hanna - Scientific Director, J-PAL SEA; Jeffrey Cheah Professor of South-East Asia Studies, Harvard Kennedy School
11:25 am - 11:30 am	Moderator introduction	5'	Moderator: Professor Syahrir Ika, Main Researcher - BRIN
11:30 am - 11:35 am	Opening presentation	5'	Imelda J-PAL Invited Researcher; Andre Hoffman Assistant Professor in Environmental and Resource Economics, Geneva Graduate Institute
11.35 am - 12.50 pm	Discussion of open questions	75'	All invited panelists Moderated by: Professor Syahrir Ika, Main Researcher - BRIN
12.50 pm - 13.00 pm	Concluding remark and closing	10'	Moderator: Professor Syahrir Ika, Main Researcher - BRIN
13.00 pm - finish	Lunch and networking		

High-level stakeholder workshop 3: Air Pollution and Urban Transport

Air pollution has become one of the biggest challenges faced by many urban areas in Indonesia, primarily caused by extensive usage of coal and fossil fuels emitted from land transportation. Initiatives such as traffic policies, the use of electric vehicles and electric mass transportation, and building city forests have been instigated to provide cleaner air for urban populations. What can we learn from existing evidence on the most effective way to reduce and monitor air pollution levels?

11.20 am - 11:25 am	Discussion format introduction by J-PAL SEA Executive Director	5'	Lina Marlioni J-PAL SEA Executive Director
11:25 am - 11:30 am	Moderator Introduction	5'	Moderator: Milda Irhamni - Researcher
11.30 am - 12.50 pm	Discussion of open questions	80'	All invited panelists Moderated by: Milda Irhamni - Researcher
12.50 pm - 13.00 pm	Concluding remark and closing	10'	Moderator: Milda Irhamni - Researcher
13.00 pm - finish	Lunch and networking		

ABOUT J-PAL and J-PAL SEA

The Abdul Latif Jameel Poverty Action Lab (J-PAL) was established in 2003 as a research institute within the Economics Department of the Massachusetts Institute of Technology (MIT), Cambridge. J-PAL believes that development can be more effective if policymakers and implementers have access to rigorous evidence of what programs and policies work or not, and why. Currently, J-PAL has over 200 affiliated researchers who have more than 900 completed and ongoing evaluations in more than 80 countries. These projects rigorously test the effectiveness of programs in areas including health, education, finance, labor markets, environment, governance, and agriculture.

In 2013, then-Indonesian President Susilo Bambang Yudhoyono launched the Abdul Latif Jameel Poverty Action Lab Southeast Asia Regional Office (J-PAL SEA) in Jakarta under the Faculty of Economic and Business, Universitas Indonesia. Supported by Australia's Department of Foreign Affairs and Trade (DFAT), J-PAL SEA's mission is to equip policymakers with rigorous evidence to inform the design of social programs that will make a lasting contribution to poverty reduction in Indonesia and the Southeast Asia region.

For more information: <https://www.povertyactionlab.org/>