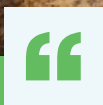




INSTITUTE FOR ESSENTIAL SERVICES REFORM


Accelerating Low Carbon Energy Transition

ORGANIZATION PROFILE



Energy transition
no longer is a
rich man's game
– it's become
available for all.

Adnan Z. Amin



Developed countries' appetites for the fossil fuels over the past two centuries has taken a potentially devastating toll on the planet in the form of climate change. While on the other side of the world, we have just started our development, slowly increase our energy consumption and utilise our rich fossil resources.

But the truth is, we do not have to follow the path of those Western countries by burning fossil fuels to fulfill our energy need. We can choose a cleaner and more sustainable path by modernizing the energy system. We can do this by enhancing energy efficiency as the first fuel, maximising our rich renewable resources, modernising our grid to be more flexible dan allowing integration with distributed generation, and developing smart mini- and micro-grid systems for island electrification to utilise local renewable resources in order to provide clean, reliable, just and affordable energy for all people. We also need to modernise transport system by introducing e-mobility and smart urban planning to enhance connectivity and enhancing the use of public transports and non-motorized vehicles.

All technologies that we need to make transformation for our energy system today are available, but to deploy them, strong political will, credible, sound policy and regulatory framework, as well as investment are strongly needed. We believe that to actually effectuate energy transformation in Indonesia, we need to bring and cultivate innovative ideas and approaches into the policy spaces, close the policy gaps to open up market and promote investment, enhance active public participation in policy making process, and enhance good governance in the energy sector.

Who We Are

Institute for Essential Services Reform is a research and advocacy institution on energy and environment policy. It is a unique think tank because it combines in-depth studies and analyses of policies, regulations, and techno-economic aspects in the energy and environment sector with strong public interest advocacy activities to influence policy change at national, sub-national, and global level.

We produce fact- and science-based analyses and studies, provide technical assistance and capacity building for policy makers, businesses, civil societies, and other stakeholders in need, and work in partnership with other state and non-state actors on specific projects and campaigns.



IESR is independent from any government and business interests. IESR puts public interests in the forefront of its works. It operates based on principle of democracy, justice, good governance, and professionalism.





our Vision

Building a world that is better, more sustainable, low-carbon oriented, and able to provide clean, sustainable energy for future generations.



our Mission

Encouraging the acceleration of Indonesia's energy transition towards a just, clean, and low-carbon energy system.



Our History

Working Group on Power Sector Restructuring (WGPSR) is the forerunner of IESR.

In 2007, IESR was formally established from the Working Group on Power Sector Restructuring (WGPSR), a working group that was active in 2001–2006. This working group was established in 2001 by International NGO Forum on Indonesian Development (INFID), Indonesia Corruption Watch (ICW), Indonesian Consumer Organization (YLKI), Public Interest Research and Advocacy Center (PIRAC), The Legal Aid Institute (LBH) Jakarta, Debt Watch, and Gemi Nastiti (GENI) Foundation.

WGPSR advocated for electricity sector reform in Indonesia after the financial crisis in 1998 and during the program of structural reforms carried out by the Indonesian government with the support of the IMF and multilateral development banks. After that, WGPSR was deeply involved in advocating policies and regulations on electricity tariffs, subsidies, and management of the electricity sector. This working group was the first civil society organization to encourage public participation in the formulation of policies and decisions in the Indonesian electricity sector, which at that time was not sufficiently transparent.

Based on the results of an external evaluation conducted in 2006, WGPSR was recommended not only to work in the electricity sector, but to continue working on broader energy issues and their impacts on the environment. In 2007, WGPSR was officially registered as a new organization called the Institute for Essential Services Reform.

What We Do



Produce science- and fact-based analyses and studies



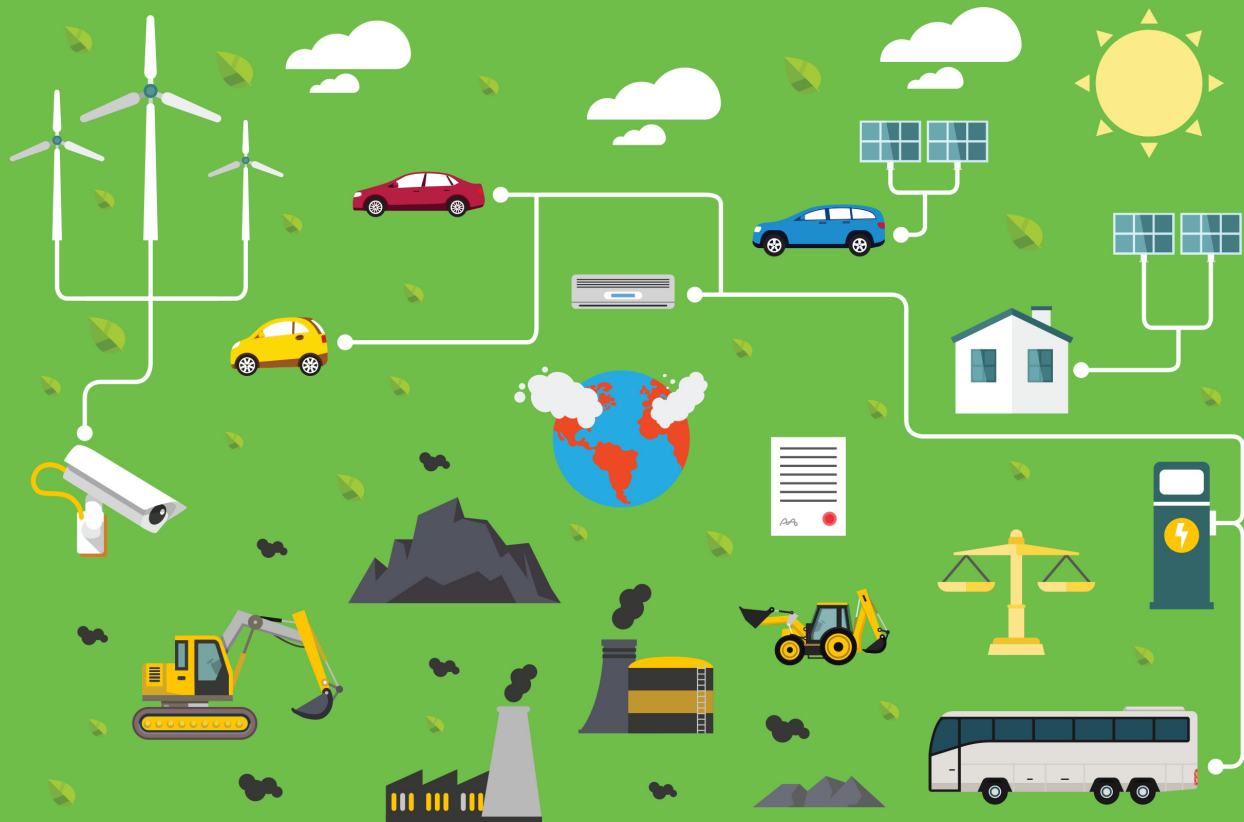
Assist and provide capacity building to policy makers and other stakeholders



Work with various stakeholders (government, business, development partners, and CSOs)



Advance public interest through collaborative campaigns



Our Focus

2017–2023



ENERGY AND POWER SYSTEMS TRANSFORMATION

Transformation of the energy and electricity system to support universal and sustainable access in low-carbon energy systems



GREEN ECONOMY

Strengthening domestic climate policy strategy to encourage low-carbon development and moving towards green economy



EXTRACTIVE INDUSTRY

Improving governance of the oil, gas, and coal sector to prepare and align with just and low-carbon energy transition



SUSTAINABLE MOBILITY

Building solutions for the movement of people, products and services through a low-carbon, efficient, reliable, and integrated transportation system in a low-carbon development system

Our Portfolio

IESR works cover a wide range of area from research and policy analysis to capacity building. Our works include numerous issues such as access to energy, energy efficiency, climate finance, and natural resources governance.

RESEARCH & ANALYSIS	Waste to Energy in Indonesia
	Rural Electrification Strategy
	Indonesia's Intended Nationally Determined Contribution (NDC)
	Climate Financing for Cities in Indonesia
BLUE PRINT	Governing the Extractive Industry in Southeast Asia
	Regional Framework for Extractive Industries
	Community Guideline for Energy Subsidy
	Carbon Footprint Calculator
POSITION PAPER	Indonesia and Climate Change Negotiation
	Indonesia Solar PV Acceleration

Our Portfolio

Our works always ignite further discourse between stakeholders with solution-oriented approach.

TRAINING	Advocacy on Extractive Industry Governance
	Energy Delivery Model (EDM)
	Energy Efficiency Finance and Business Model
	Renewable Energy and Gender Mainstreaming
CAMPAIGN	Carbon FootPrint Calculator
	End of Energy 2025/Access to Energy for All
	Low Carbon Lifestyle
STRATEGIC PARTNERSHIP	Gerakan Nasional Sejuta Surya Atap (GNSSA) or One Million Solar Rooftop
	Sustainable Energy for All
	Southeast Asia-America Partnership Initiative (IKAT-US)
	Strategic Partnership for Green and Inclusive Energy

Portfolio Highlights

Carbon Footprint Calculator

Carbon Footprint Calculator is a unique tool and a public campaign to raise public awareness of green lifestyle. Developed by IESR in 2010, the tool is available online and offline to engage public attention and get them involved in reducing the amount of greenhouse gas emissions. If the action

is carried out collectively and sustainably, this can become the basis for creating a low carbon society.

In April - December 2010, a survey revealed that groups of students and domestic workers were the first and second largest greenhouse gas emitters, compared to groups of students, employees, and housewives/househusbands. The population residing in the province of West Java, on average produced emissions of 12.97 kg CO₂ek per person per day or approximately 4.57 tons CO₂ek per person per year. This result was higher than the data obtained from the first users of Carbon Print Calculator from Jakarta, Banten, West Java, Central Java, and East Java.





#1BY20

#ONEbyTWENTY

One of IESR public campaign initiatives is to encourage the acceleration of solar energy utilization in Indonesia and specifically to achieve the target of a National Movement of Million Solar Roof, which is the installation of rooftop solar electricity with an accumulative capacity of 1 GW by 2020. The National Movement of Million Solar Roof was declared on 13 September 2017 by 14 institutions; including two ministries and one government agency, the Indonesian Solar Energy Association, and IESR.

676 people

are involved in “Pojok Energi”, IESR’s public discussion on energy during 9 sessions since it was initiated in 2017.

116 articles

cited IESR’s statements in mass media in 2018.

Climate Change Financing **for Cities**

As part of “Exploring Innovative Ways of Financing for Climate Compatible Development in Asian Cities” project, in 2016 IESR conducted case study in Kupang, a city in Eastern part of Indonesia which was vulnerable to climate change. The research highlighted some important findings such as identification and mechanism of climate funds at various level, the needs of local government to provide adequate development planning that accommodates climate change issues. A multi-stakeholder forum consisted of government, private sectors, donors, NGOs and other relevant actors was needed for communication and knowledge sharing. The study recommended empowering local authorities as imperative action to manage the challenges of climate change.



Mainstreaming Gender in Energy Sector



Energy is the essential need for everyone, including women. To assist the Ministry of Women Empowerment and Child Protection (KPPPA-Kementerian Pemberdayaan Perempuan dan Perlindungan Anak), IESR developed a Technical Guidelines on Gender Mainstreaming in Developing Renewable Energy Facilities. The guidelines provided some highlights of energy poverty in Indonesia, impacts of gender mainstreaming to the development and the technical guidelines to implement small- and medium-scale renewable energy projects.

Our Team

IESR team consists of experts, practitioners, and highly qualified graduates from reputable universities in Indonesia and abroad. They possess in-depth knowledge and experience on energy, climate change, natural resource management, and environmental issues and commit to advance public interests. In addition, they also work and engage with a wide range of stakeholders in local, national, and international levels.

IESR has been active in energy and climate change discourses for more than a decade by conducting rigorous research, studies, advocacy activities, forward-looking initiatives, media engagements, and public campaigns.





3.1 GW/year solar energy potential in Indonesia

of which there is a potential of 1 GW solar development on the roof of houses, office buildings, places of worship, and other public activities.

Source: International Renewable Energy Agency (IRENA)



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Foto: Kementerian ESDM