

## LIST OF ABBREVIATIONS AND ACRONYMS

3R	reduce, reuse, recycle	APCAP	Asia Pacific Clean Air Partnership.
4R	reduce, reuse, recycle, remove	APEC	Asia-Pacific Economic Cooperation
AAPL	Australia-ASEAN Power Link	APERC	Asia Pacific Energy Research Centre
ACE	ASEAN Centre for Energy	ARIC	The Asia Regional Integration Center
ACGF	ASEAN Catalytic Green Finance Facility	ASCC	ASEAN Socio Cultural Community
ACRF	ASEAN Comprehensive Recovery Framework	ASCN	ASEAN Smart Cities Network
ACT	Australian Capital Territory	ASEAN	Association of Southeast Asian Nations
ADB	Asian Development Bank	ASRIA	Association for Sustainable & Responsible Investment in Asia
ADB I	Asian Development Bank Institute	ASSET	Advanced Technologies Promotion Subsidy Scheme with Emission Reduction Targets
AEC	ASEAN Economic Community	ATS	Advanced Technologies Scenario
AI	Artificial Intelligence	AWGCC	ASEAN Working Group on Climate Change
AIF	ASEAN Infrastructure Fund	BAU	Business as Usual
AJC	ASEAN-Japan Centre	BEV	Battery Electric Vehicle
AMCHAM	American Chamber of Commerce	BIMP-EAGA	Brunei Darussalam–Indonesia–Malaysia– Philippines–East ASEAN Growth Area
AMEM	ASEAN Ministers on Energy Meeting	BPDPKS	Oil Palm Plantation Fund Management Agency
AMME	ASEAN Ministerial Meeting on Environment	BRI	Belt and Road Initiative
AMS	ASEAN Member States		
APEC	ASEAN Plan of Action for Energy Cooperation		

Btu	British thermal unit	DACCS	direct air capture for carbon storage
CAC	command-and-control	DBS	Development Bank of Singapore Limited
CAREC	Central Asia Regional Economic Cooperation	DER Lab	Distributed Energy Resources Laboratory
CBDR-RC	common but differentiated responsibilities and respective capabilities	DRI	direct reduced iron
CCAP	The Center for Clean Air Policy	EDF	Électricité de France
CCE	circular carbon economy	EITE	Emissions-Intensive Trade-Exposed
CCS	carbon capture and storage	ERIA	Economic Research Institute for ASEAN and East Asia
CCU	carbon capture and utilisation	ESG	environment, social, and governance
CCUS	carbon capture, utilisation, and storage	ETS	emissions trading system
CCR	Cost Containment Reserve	EU	European Union
CCTV	closed-circuit television	EV	electric vehicle
CEFIA	Cleaner Energy Future Initiative for ASEAN	FAME	Faster Adoption and Manufacturing of (Hybrid &) Electric Vehicles
CO <sub>2</sub>	carbon dioxide	FCEV	fuel cell electric vehicle
CO <sub>2e</sub>	carbon dioxide equivalent	FDI	foreign direct investment
CMIM	Chiang Mai Initiative Multilateralization	FIT	feed-in tariff
CPTPP	Comprehensive and Progressive Agreement for Trans-Pacific Partnership	FOLU	forestry and land use
CRED	Centre for Research on the Epidemiology of Disasters	FTAs	free trade agreements
CSIRO	Commonwealth Scientific and Industrial Research Organisation	FYP	Energy Five-Year Plan
DAC	direct air capture	GDP	Gross Domestic Product
		GEF	Global Environment Facility

GGGI	Global Green Growth Institute	IEEJ	The Institute of Energy Economics, Japan
GHG	greenhouse gases	IETA	International Emissions Trading Association
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit	IFC	International Financial Corporation
GMS	Greater Mekong Subregion	IGES	Institute for Global Environmental Strategies
GNI	Gross National Income	ILO	International Labour Organisation
GRI	Global Reporting Initiative	IMF	International Monetary Fund
GSCs	global supply chains	IMT-GT	Indonesia–Malaysia– Thailand Growth Triangle
GST	goods and services tax	INDC	Intended Nationally Determined Contributions
Gt	gigaton	IPCC	Intergovernmental Panel on Climate Change
GtCO <sub>2</sub>	gigatons of carbon dioxide	IPNs	international production networks
Gtoe	gigaton of oil equivalent	IPOs	initial public offerings
GW	gigawatt	IPR	intellectual property rights
G20	The Group of Twenty	IRENA	International Renewable Energy Agency
HAPUA	Heads of ASEAN Power Utilities and Authorities	ISA	International Solar Alliance
HKMA	Hong Kong Monetary Authority	JETRO	Japan External Trade Organization
HSBC	Hongkong and Shanghai Banking Corporation Limited	KfW	Kreditanstalt für Wiederaufbau
H <sub>2</sub>	hydrogen	kt	kiloton
ICAP	International Carbon Action Partnership	ktCO <sub>2</sub>	kilotons of Carbon dioxide equivalent
ICE	internal combustion engine	kWh	kilowatt-hour
ICMR	Institute for Capital Market Research	K-ETS	Korea emission trading scheme
ICT	Information and Communication Technology		
IEA	International Energy Agency		

LNG	Liquefied Natural Gas	NTB	non-tariff barrier
LTMS-PIP	Lao PDR-Thailand-Malaysia-Singapore Power Integration Project	NZT	net zero target
LT-LEDS	low greenhouse gas emissions development strategies	ODA	official development assistance
	long-term	OECD	Organisation for Economic Co-operation and Development
LULUCF	land use, land use change, and forestry	PACE	property assessed clean energy
MAS	Monetary Authority of Singapore	PAT	Perform, Achieve, and Trade
MB	megabyte	PHEV	plug-in hybrid electric vehicle
MBIs	market-based instruments	PPP	purchasing power parity
MBtu	million British thermal units	PPP	public-private partnership
MRV	monitoring, reporting, and verification	PV	photovoltaic
MSMEs	micro, small, and medium-sized enterprises	RBI	Reverse Bank of India
MSW	municipal solid waste	RD&D	research, development, and demonstration
Mt	million tons	RCEP	Regional Comprehensive Economic Partnership
MtCO <sub>2</sub>	million tons of carbon dioxide	REC	Renewable Energy Certification
MtCO <sub>2</sub> e	million tons of carbon dioxide equivalent	REDD+	Reducing Emissions from Deforestation and Forest Degradation in Developing Countries
Mtoe	million tons of oil equivalent	RPS	renewable portfolio standard
MW	megawatt	R&D	research and development
M&A	mergers and acquisitions	SAARC	South Asian Association for Regional Cooperation
NBFI	Non-Banking Financial Institution	SAF	sustainable aviation fuel
NDCs	Nationally Determined Contributions	SDGs	Sustainable Development Goals
NEDO	New Energy and Industrial Technology Development Organization	SIIA	Singapore Institute of International Affairs

SMEs	small and medium-sized enterprises	USMCA	United States–Mexico–Canada Agreement
SOC	social overhead capital	US	United States
SPAD	Land Public Transport Master Plan	USSR	Union of Soviet Socialist Republics
STI	science, technology, and innovation	VAT	value-added tax
tCO <sub>2</sub>	ton of carbon dioxide	WAN	wide area network
tCO <sub>2</sub> e	ton of carbon dioxide equivalent	WHO	World Health Organization
TRIPS	Trade-Related Aspects of Intellectual Property Rights	WREA	Wyoming Rural Electric Association
TWh	terawatt-hour		
UK	United Kingdom		
UN	United Nations		
UNCTAD	United Nations Conference on Trade and Development		
UNDP	United Nations Development Programme		
UNEP	United Nations Environmental Programme		
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific		
UNESCO	United Nations Educational, Scientific and Cultural Organization		
UNFCCC	United Nations Framework Convention on Climate Change		
UNIDO	United Nations Industrial Development Organization		