Recommendations for parliamentary climate action in Indonesia

Annex 1: Research Methodology

Objectives

This study is aimed at improving the understanding of the Indonesian Parliament (DPR RI) understanding of climate change and making concrete recommendations for Members of the Parliament (MPs) on how to best engage the government in enhancing the level of ambitions in Indonesia's climate action goals.

Analytical Approach

Step 1: Develop a long list of Indonesia's climate policies. We developed a long list of existing climate policies in Indonesia, from the overarching directive level down to the technical implementation level. The list then becomes our main reference on the landscape of climate ambitions and implementation in Indonesia. Specifically, it contains quantitative analysis on each prominent climate policy in Indonesia. Results from this step underpinned steps 2 and 3.

Sector	Policy	Hierarchy	Time horizon	Openness for discussion	Specificity
Cross- sectoral	Policy A Description and scope of the policy	Law Government President Minister	Whether a policy is expected to become effective soon or later and whether it is a short-term or a long-term policy.	The political status of policy, i.e., deadlock/large agreement but details to be decided/postponed, etc.	High-level ambition vs specific targets; rough policy direction vs. specific policy design.
Sector 1	Policy B				
Sector n					

Table 1.1. Indonesia's climate policies long-list framework



Indonesia's existing level of climate ambition. In this step, we shortlisted a selection of climate policies tagged as high-level ambitions or overarching targets. Then, we measured the relative performances and gaps in these climate ambitions compared to other countries, based on peer-reviewed climate models.

Figure 1.1. Climate policies assessment process

Voluntary climate	Volu	intary Ambition Be	nchmarks			
ambition compatibility with global target	Relative to top 10 tropical forest countries ²	Relative to ASEAN countries ³	Relative to top 10 emerging market countries⁴	Ambition gaps	References	
		Medium-term amb	oitions: 2030 Nationally De	termined Contributions (NDCs) ⁵		
5-degrees Likert (1– 5; 1 is critically incompatible, 5 is Paris-compatible)	5-degrees Likert (1–5; 1 is critically underperforming, 5 is highly performing)	5-degrees Likert (1–5, 1 is critically underperformin g, 5 is highly performing)	5-degrees Likert (1–5, 1 is critically underperforming, 5 is highly performing)	Analysis on the level of ambitions, based on Paris 1.5 degrees target and relative performance against other relatively similar countries	Climate Action Tracker Climate Watch Data Climate Analytics NDC Roadmap	
	Long-term	ambitions: 2050 L	ong-term Strategy on Low	Carbon and Climate Resilience (LTS-LCCR)		
5-degrees Likert (1– 5, 1 is critically incompatible, 5 is mid-century Net Zero compatible)	5-degrees Likert (1–5, 1 is critically underperforming, 5 is highly performing)	5-degrees Likert (1–5, 1 is critically underperformin g, 5 is highly performing)	5-degrees Likert (1–5, 1 is critically underperforming, 5 is highly performing)	Analysis on the level of ambitions, based on the mid-century net-zero target and relative performance against other relatively similar countries	Climate Action Tracker Climate Watch Data Climate Analytics	
Ambition X	1	1	1		1	

Table 1.2. Climate ambition gaps measurement framework¹

¹ Note that examples used in this table are not exhaustive.

² Top 10 tropical forest countries are Brazil, Congo, Indonesia, Peru, Colombia, Bolivia, Cameroon, Central African Republic, Ecuador, and Gabon.

³ ASEAN countries comprise Indonesia, Malaysia, Singapore, Vietnam, Thailand, Laos, Myanmar, Brunei Darussalam, Cambodia, and the Philippines.

⁴ Top 10 emerging markets are Argentina, Brazil, China, India, Indonesia, Mexico, Poland, South Africa, South Korea, and Türkiye.

⁵ This includes NDC updates and reports submitted biannually to the UNFCCC as of June 2022.

Step 3: Measure climate policy gaps to select critical areas for parliamentary intervention. In the third step, we selected policies with specific targets and designs from the long list for a multi-criteria analysis which provides us gaps on the ability of policies in a specific NDC sector to achieve climate ambitions, and how to further exercise parliamentary intervention.

Selected Climate Policies	Status of Policy	Emission Reduction Potential	Fiscal Implications	Political Barriers	Overall Gaps	Scope for Parliamentary Interventions
Mitigation: For	estry and Land Use					
Policy A	In place/ Not in place/ Drafted	Significant/ Insignificant	High cost/ limited cost/ no cost	Significant/ Neutral/ Unclear	Satisfactory/ Unclear/ Not Satisfactory	YES/NO Rationale for interventions
Policy B						
Policy n						
Mitigation: Ene	ergy		•			
Policy n						
Mitigation: Ind	ustrial Processes and	d Production Use	•			
Policy n						
Mitigation: Wa	ste					
Policy n						
Mitigation: Agr	iculture					•
Policy n						
Adaptation		•				·
Policy n						

Table 1.3. Framework of multi-criteria analysis⁶

Step 4: Assess the coordination of government and parliament on climate and suggest improvements. In the fourth step, we mapped relevant climate change topics and the functions of the legislative committees to identify the strategies for improving legislative and executive coordination mechanisms within the corridor of the three parliamentary functions. We conducted interviews with parliamentarians and their expert staff to assess their current understanding on climate issues and ground-truth the strategies to increase their support on climate change, focusing on three most relevant legislative committees (LCs) on climate change: LC IV (Agriculture, Environment, Ocean), LC VII (Energy, Research and Innovation, Industry), and LC XI (Finance, Development, Banking).

⁶ Additional criteria may be added.

Committee	Law Making Function	Budgeting Function	Oversight Function
LC IV Agriculture, Environment, Ocean	What regulations to be issued/revoked/change to improve Indonesia's climate change ambition and actions in the agriculture, forestry, and marine sectors?	What specific budget allocation in agriculture, forestry, and marine sectors to be supported/ advocated to increase the climate ambition and actions?	What specific policy, program, and budget in these sectors to be monitored and evaluated during the budget implementation?
LC VII Energy, Research and Development, Industry	What regulations to be issued/revoked/change to improve Indonesia's climate change ambition and actions in the energy sectors and climate science?	What specific budget allocation in energy sectors to be supported/advocated to increase the climate ambition and actions?	What specific policy, program, and budget in energy sector to be monitored and evaluated during the budget implementation?
LC XI Finance, Development, Banking	What regulations to be issued/revoked/change to increase climate finance to improve Indonesia's climate change ambition and actions?	What specific fiscal policy framework to be supported/ advocated to increase the national climate finance?	What specific policy tools or mechanisms to be develop and utilised to increase climate finance transparency and accountability?

Table 1.4. Assessment of potential improvements on parliamentary functions in 3 most climate-relevant committees

Where possible, the specific recommendations for the three committees above were adjusted and generalised to other committees that carry relevant climate objectives in the parliament (all committees expect LC III).

Committee	Relevant Climate Policies	Relevant Government Ministries/Agencies	Existing Committee- Government Coordination	Possible strategies to improve coordination
LC I	International climate negotiations	Ministry of Foreign Affairs	1. Meeting with head of	Strategy for LC I
LC II	Subnational climate policies	Ministry of Home Affairs	governments.	Strategy for LC II
LC III	Not relevant	Not relevant	2. Consultation with the	Not relevant
LC IV	National and sectoral climate policies on agriculture, forestry, and marine	Ministry of Agriculture, Ministry of Environment and Forestry, Ministry of Marine and Fisheries, Peatland, and Mangrove Restoration Agency	Regional Representative Council (DPD RI).	Strategy for LC IV

Table 1.5. Assessment of possible coordination strategies for all committees

	Infrastructures, transportation,	Ministry of Public Works, Ministry of	3.	Hearings with	_
LC V	and climate information	Transportation, Meteorology Agency		government	Strategy for LC V
LC VI	Green trades and investments	Ministry of Trade, Investment Coordination Agency	4.	representations. Public hearing either at	Strategy for LC VI
LC VII	Energy supply and demand, green industries, climate sciences	Ministry of Energy and Mineral Resources, Ministry of Industry, National Energy Council, National Research and Innovation, Geospatial Information Agency	5.	the request of the committee or other parties. Meetings with ministers	Strategy for LC VII
LC VIII	Climate adaptation: disaster management	National Disaster Management Agency		and/or government officials that are not	Strategy for LC VIII
LC IX	Climate adaptation: public health	Ministry of Health		within the scope of the	Strategy for LC IX
LC X	Climate adaptation: education	Ministry of Education		committee's scope if	Strategy for LC X
LC XI	Climate change fiscal policies and financing framework	Ministry of Finance, National Development Agency, Financial Service Agency, Central Bank	6. 7. 8. 9.	necessary. Fieldwork visits. Joint committee meeting. Joint fieldwork visits. Technical/special committee.	Strategy for LC XI

Step 5: Synthesise recommendations. Based on the results from steps 1–4, we provided concise recommendations which elucidate the concrete steps for advancing parliamentary engagement on climate change policies in Indonesia.

Annex 2: Long list of Indonesia's climate policies

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
Cross- sectoral	Climate Finance	Government Regulation (PP) No. 46/2017; Presidential Regulation (Perpres) No. 77/2017; Finance Ministerial Regulation (PMK) No. 137/2019	Outline the economic instruments of climate change	Outline the framework of environmental economic instruments such as: 1. Development planning and economic activities. 2. Environmental funding–most notably the Environmental Trust Fund (BPDLH). 3. Incentives and/or disincentives. 4. Government financing.	President, Ministry of Environment and Forestry (KLHK), Ministry of Finance (Kemenkeu), Ministry of National Development Planning (Bappenas)	By 2017	Low	High
Cross- sectoral	Carbon Economic Value	Perpres No. 98/2021	Outline the policy instruments for carbon emissions in Indonesia	To achieve Indonesia's NDC targets, Indonesia shall: 1. Establish policies and measures, as well as implementing activities in accordance with the government's commitment to reduce GHG by between 29% and 41% by 2030 in comparison with baseline GHG emissions. 2. Develop national, regional, and community climate resilience.	President, KLHK, Kemenkeu, Bappenas	By 2021	Low	High

Table 2.1. Climate policy long list

⁷ Benchmarked to NDC data.

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
FOLU	Land Use	LTS LCCR 2050	Reduce deforestation and	 Reduce deforestation from 166,000 to 114,000 ha. Implement sustainable forest management with IUPHH-RE licensing to restore production forest. 	кінк	Ву 2050	Low	High
		FOLU Net Sink	forest degradation rates	Under LTS-LCCR 2050, limit natural forest degradation to 6.8 million ha.		By 2050	High	High
		2030		Set upper limit for primary forest degradation at 2.28 million ha.		By 2030	High	Medium
		FOLU Net Sink 2030	Plantation forest development	Accelerate the development of 4.07 million ha of industrial forest plantations to reduce dependence on natural forests.	КІ НК	By 2030	High	Medium
FOLU			Sustainable forest management	Set a 2.2 million ha target for concession areas implementing sustainable forest management.			High	Medium
FOLU	Land Use		Forest and land rehabilitation	Increase carbon stocks with 2.79 million ha rotational rehabilitation and 2.51 million ha non-rotational rehabilitation targets.			High	High
			Peatland management	Good water management system; 0.95 million ha net sink and 1,887 million ha restoration targets.			High	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
			Biodiversity conservation	1.51 million ha high-risk areas to be protected from conversion.			High	Low
			Land rehabilitation	Increase the rate of afforestation and reforestation to reach 10,335–13.045 million ha.		B 2050	Low	High
		LTS LCCR 2050	Peatland restoration	Increase peatland restoration from 4.1 million ha in 2011–2050 (90% success rate) to 4.65 million ha in 2011–2060 (93%).	КЦНК	By 2050	Low	High
FOLU	Carbon Pricing	Perpres No. 98/2021	Result-based payment for forest carbon offset	Government aims to create a national system for carbon trading platform while facilitating domestic and international carbon sales; including from RBP.	President, KLHK	2021 onward	Medium	Medium
Energy	Transport	LTS LCCR 2050	Macro-level transport system vision	Achieve energy used in transport system is 46% on biofuel, 30% on electricity, 20% on oil fuels, and 4% on natural gas.	КЦНК	By 2050	Low	Medium
Energy	Transport	Perpres No. 55/2019; Energy and Mineral Resources Ministerial Regulation (Permen ESDM) No. 12/2015	Cleaner combustion: biofuel	 Biodiesel mandatory blending gradually increase from 20% to 30% for PSO transport. Biodiesel mandatory blending gradually increase from 20% to 30% for non-PSO transport. Bio-oil mandatory blending at 20% for sea transport. 	President, Ministry of Energy and Mineral Resources (ESDM)	By 2035	Medium	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
				4. Bio-oil mandatory blending at 5% for air transport.				
	Transport	Industry Ministerial Regulation (Permenperin) No. 27/2020 Ele 2-v	Cleaner combustion: emission threshold standards	Emission threshold of vehicles to comply with Euro-4 standard, gradually improving toward Euro 5/6 Standard.		5-year period starting 2020	High	Medium
			Electrification of 4-wheeled road land transport	National production share of low-carbon emission vehicle (LCEV) of vehicles with 4-wheels should be at least 10%, gradually increasing to 20%, 25%, and 35%.			High	Medium
Energy			Electrification of 2-wheeled road land transport	National production share of electric vehicles with 2-wheels should be at 10%, increasing to 20%, 25%, and 30% (biodiesel).		2025– 2030	High	Medium
		Perpres No. 55/2019	Electrification to expand road transport charging station	Achieve 3,000 charging stations to 67,000 nationwide to be built by PLN.		2019- 2027	Medium	Medium
				Prohibit raw nickel export. Grow the nickel downstream industry, especially to manufacture battery for electric vehicles.	President	Since 2020	Medium	Med

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
			Electrification of 4-wheeled road land transport	Local content in battery electric vehicle (BEV) with 4-wheels should be at least 35%, increasing gradually to 80%; while for 2-wheels should be at least 40%, increasing gradually to 80%.	President	2019– 2026	Medium	Medium
Energy	ergy Transport Nation Master Nation Mediu Develo Plan (R	National Railways Masterplan 2018	Electrification of rail land transport	Electrify the Serpong-Maja- Rangkasbitung-Merak, Manggarai- Jatinegara-Bekasi-Cikarang, Padalarang- Bandung-Cicalengka, Kutoarjo- Yogyakarta-Solo, Duri-Tangerang, Medan-Araskabu-Kualanamu, and Cikampek-Cirebon railways.	Ministry of Transportation (Kemenhub)	2018– 2030	Low	Medium
		National Medium-Term Development Plan (RPJMN) 2020–2024		Electrify the railways in Surabaya metropolitan area, Cikarang-Cikampek, Cirebon-Semarang-Surabaya, and Kiara Condong-Cicalengka.	Bappenas	2020– 2024	Low	Medium
Energy	Transport	Fransport RPJMN 2020– 2024	Increasing public transportation usage	Build Jakarta-Bandung and Jakarta- Surabaya high-speed trains.	Bappenas	2016– 2022 (JKT- BDG); 2017– 2030 (JKT- SUB)	Low	Low
				Build mass public transport system (either BRT/LRT/MRT) in Medan,	Bappenas	2021– 2024	Low	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
				Bandung, Semarang, Surabaya, and Makassar.				
Energy		Permen ESDM (Draft)	 Replacing PLN owned diesel power plants with renewable energy 	PLN to replace diesel-based energy	ESDM	N/A	High	High
	Renewable	National Dedieselisation Program		generation with renewable-based energy generation with renewable-based. There will be several different replacement options, while some still containing diesel as an option.		At least 2021– 2030	Low	High
		RUPTL 2021– 2030			PLN	At least 2021– 2030	High	High
	Energy Transition	ı	Prioritisation of under-developed regions	New energy (nuclear and other sources) development prioritisation for underdeveloped regions in Indonesia.			Low	High
			Local contents	Prioritisation of local contents for new and renewable development	House of		Low	High
Energy	Renewable Energy Pricing	New and Renewable Energy Draft Bill	Pricing mechanisms	The price of new energy (nuclear) and renewable energy are determined by tariffs, market index, and reverse auction.	Representatives (DPR RI), President, ESDM	N/A	Low	High
	Renewable Energy Incentives		Incentive mechanism	Fiscal and non-fiscal incentives will be given to enterprises in the new and renewable energy.			Low	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
	Fund Agency		Establishment of New and Renewable Energy Fund	The fund will be sourced from state budget (APBN), subnational budgets (APBD), export levy, carbon tax, energy certificate, and other sources for all renewable energy financing needs.			Low	High
Energy	Energy Transition	ESDM Roadmap	Blending co-firing for coal-fired power plants	Blend renewable energy sources in coal plants.	ESDM	N/A	Medium	High
Energy	Energy	RUPTL 2021– 2030	Develop integrated transmission and the smart grid	Outline the 10-year masterplan for state electrification.	ESDM	2021– 2030	High	Low
Energy	Energy	Permen ESDM	Energy efficiency and conservation for energy-	Mandatory implementation of energy management for energy-intensive companies i.e., users > 6000 TOE annually.	itensive		High	Medium
шегду	Efficiency	No. 14/2012; PP No. 70/2009	intensive companies	Standardisation of the efficiency of electrical equipment (minimum energy performance standard or MEPS) and labelling in the residential sector.		2012	High	Medium
Energy	Energy Transition	Draft Presidential Regulation for Coal Phase-Out	Moratorium on new coal power plants and coal phase-out	No new coal plants after 2025.	President, ESDM, Coordinating Ministry for Maritime Affairs and Investment (Kemenko Marves)	2025– 2045	Low	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
Cross-	Carbon Drising	Law No. 7/2021	Introduce carbon	Enforce carbon tax for coal power	DPR RI, Kemenkeu	2021	Low	Medium
sectoral; Energy	Carbon Pricing	Perpres No. 98/2021	- tax for coal fired plants	plants. Part of the overall carbon pricing scheme.	President, Kemenkeu	onward	Low	Medium
Energy	Incentives	PMK No. 176/2009; PMK No. 188/2015; PMK No. 66/2015; Investment Coordination Agency Regulation (PBKPM) No. 13/2017	Increase the appetite for renewable energy industries in the country	Exemption of import duties on machinery and equipment, goods, and raw materials for production.	Kemenkeu	Since 2009	High	Low
Energy	Renewable	PMK No. 35/2018; PBKPM No. 1/2019	Introduce tax holidays for clean energy	Tax relief facilities for a specific amount of investments on clean energy.	Ministry of Investment (BKPM)	Effective since 2018	High	Low
Energy	Renewable	PP No. 18/2015; PP No. 9/2016; Permen ESDM No. 16/2015	Renewable energy tax allowance	Income tax reduction for renewable energy business.	ESDM	Since 2016	Low	Medium

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
		PBKPM No. 6/2018	Renewable energy tax allowance		вкрм	Since 2018	High	Medium
Agriculture	Renewable, Biofuel	Law No. 11/2020; PP No. 5/2021	Ease of investment for palm oil investment	Strengthen both the upstream and downstream of the palm oil value chains to create a sustainable palm oil industry.	Government	N/A	Low	High
Agriculture	Renewable, Biofuel	LTS LCCR 2050; National Industry Development Masterplan (RIPIN); National Energy Plan	Increasing palm oil productivity	 Boost land productivity to prevent aggressive deforestation for agricultural lands. Diversify palm oil plantation with other agricultural products. Increase palm oil land productivity by 10% per year. 	KLHK, Kemenperin, ESDM	Ву 2050	Low	High
		(RUEN)	Promote CPO- based fuel	Increase biofuel content and reduce fossil fuel consumption.			Low	High
Agriculture	Renewable, Biofuel	Presidential Instruction (Inpres) No. 9/2019	Increase the adoption of Indonesia Sustainable Palm Oil (ISPO) certification	Increase the adoption of Indonesia Sustainable Palm Oil (ISPO) certification.	President	2019– 2024	Medium	Medium
Agriculture	Renewable, Biofuel	Inpres No. 8/2018	Moratorium on new palm oil license	Moratorium (halting) of palm oil plantation within forest areas	President	Short- term horizon (3-year review)	High	High

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
Agriculture	Renewable, Biofuel	2015–2035 Industry Roadmap	Set target for agroindustry (palm oil) development	Production capacity of the palm oil agroindustry: - 42.9 M Ton/year (2015–2019) - 59.5 M Ton/year (2020–2025) - 75 M Ton/year (2025–2035)	Kemenperin	2015– 2035	Medium	Medium
Agriculture	Renewable, biofuel	NDC 2030; LTS LCCR 2050; Agriculture Ministerial Regulation (Permentan) No. 5/2014	Regulate manure management of biogas (palm oil plantation)	 Utilise 0.06% of cattle population for biogas by 2030. Integrated farming of oil palm livestock to reach 11.70% (1.68 million ha) in 2030 and 22.72% (3.25 million ha) by 2050. 	Government	2030 (Mid- term) & 2050 (Long- term)	Low	Low
Agriculture	High-Intensity Crops	LTS LCCR 2050; PP No. 26/2021; Perpres No. 72/1971; Permentan No. 19/2019	Increase low emission, high- intensity crops (non-paddy)	Increase the productivity of agricultural commodities (maize/corn, vegetables, cassava, palm oil, sugar cane, fruits and nuts, and industrial crops).	Government	By 2050	Low	Low

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
		NDC 2030; LTS LCCR 2050; PP No. 26/2021; Perpres No. 72/1971		Rice productivity in Java: - 5.8 ton/ha (2010) - 6.28 ton/ha (2050, CPOS) - 6.32 ton/ha (2050, LCCP) Rice productivity outside Java: - 4.2 ton/ha (2010) - 5.01 ton/ha (2050, CPOS) - 5.2 ton/ha (2050, LCCP) Increase rice productivity in 2050 targeting growth of 5-10% (2020-2030) - 9–12% (2030–2050, CPOS) - 6–12% (2020–2050, LCCP)	Government	2030 (Mid- term) & 2050 (Long- term)	Low	Low
Agriculture	Low-Emission Crops	LTS LCCR 2050; PP No. 26/2021	Reducing methane production from cattle farming	 Shifting from high concentrate livestock feed to greenery feed, specifically in beef and dairy cattle The target is 3.42 million head (CPOS) and 6.58 million head (LCCP) The needs for land conversion for cattle is 4.47 M ha (2050) and 4.55 M ha (2060) 	Government	By 2050	Low	Low

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
Agriculture	Waste Management	LTS LCCR 2050; Permen LHK No. 75/2019	Reducing food loss and waste	Improvements in harvest and post- harvest technology are expected to reduce food loss from 71 kg (2010) to 40 kg (2050, CPOS) and 34 Kg (2050, LCCP) per capita. However, food waste will increase from 21 kg (2010) to 97 kg (2050, CPOS) per capita and from 20 kg (2010) to 76 kg (2050, LCCP) per capita.	Government	By 2050	Low	Low
	Waste Management	Perpres No. 97/2017; Permen LHK No. 14/2021	Improving waste management	 Strategy for handling 70% of domestic waste through sorting. Increase the number of waste bank units to 4,085 by 2025. 	President, KLHK	2025	Medium	Low
Waste			Regulating waste management areas (TPS3R)	 Strategy for handling 70% of domestic waste through sorting. Serve 409,078 households in 116 cities/regencies by 2024. 	President, Bappenas	2024	Medium	Low
	Renewable, Waste-to- Energy	Perpres No. 97/2017; RPJMN 2020–2024	Promoting waste- based energy	 Strategy for handling 70% of domestic waste through technology. PLTSa development in 5 cities. 	Bappenas	2020– 2024	Medium	Low

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
		Perpres No. 97/2017; Perpres No. 35/2018	Promoting waste- to-power plant (PLTSa) through thermal technology	 Strategy for handling 70% of domestic waste through technology. PLTSa development in 12 cities. 	President	Since 2017	High	Low
Waste	Waste Management	Ministry of Public Works and Housing (PUPR) Strategic Plan 2020–2024; Permen PUPR No. 4/2017	Separation between domestic wastewater management system and drainage system	 Proper sanitation in 90% households. Access to safe sanitation in 15% households. Domestic waste service by SPALD-T in 3 million households. 	PUPR	N/A	High	Low
Waste	Waste Management	Permen LHK No. 75/2019; Perpres No. 97/2017	Waste reduction by producers	Strategy for reducing 30% of domestic waste.	President, KLHK	N/A	High	Low
Waste	Waste Management	KLHK PSLB3 DG Circular Letter No. SE-06/PSLB3- PS/2015; PSLB3 KLHK 2020–2024 Strategic Plan	Reducing plastic waste	Implementation of paid plastic bags in retail stores order to reduce plastic waste.	КЦНК	N/A	High	Low

NDC Sector	Sub-Sector	Policy Document(s)	Policy Objective	Description	Origin of Policy	Time Period	Specificity	Emission Reduction Potential ⁷
Waste	Waste management	RPJMN 2020– 2024; PSLB3 KLHK 2020–2024 Strategic Plan	Managing hazardous waste	539,726,691 ton of hazardous waste managed by 2024.	Bappenas, KLHK	N/A	Medium	Low
		Permen LHK No.	Setting national adaptation plan process	Guidance for local governments in planning for climate change adaptation and integrating them into local development plans.	ation		Low	N/A
Adaptation	Adaptation	33/2016	Introduce the vulnerability index (SIDIK)	Provide an overview of regional vulnerability.			Low High	N/A
		Permen LHK No. 7/2018	Guiding local level of national adaptation plan process	Guidance for local governments in conducting and verifying the results of vulnerability, risk, and impact assessments of climate change.	KLHK	N/A	High	N/A
Dual Benefits	Adaptation; Mitigation	Permen LHK No. 84/2016	Promoting Climate Village Program (Proklim)	Increase community engagement on climate change and encourage implementation of adaptation and mitigation actions.			Low	N/A

Annex 3: Scoring Indonesia's climate ambitions

	Medium-Term: Nationa	lly Determined Contributio	ons for Paris 2030			Long Term: Net Zero Emission (NZE) Target
Country	Climate Action Tracker	Climate Watch Data	Climate Analytics	Benchmark	Indonesia	Status
Indonesia	2	Qualitative	1			Incomplete
Brazil	2	Qualitative	N/A			N/A
Congo	N/A	Qualitative	1	-		N/A
Peru	3	Qualitative	4	-		N/A
Colombia	2	Qualitative	4	-		Incomplete
Bolivia	N/A	Qualitative	N/A	2,79	1,5	N/A
Cameroon	N/A	Qualitative	N/A			N/A
Central African Republic	N/A	Qualitative	N/A			N/A
Ecuador	N/A	Qualitative	4			N/A
Gabon	N/A	Qualitative	N/A			N/A
Brunei Darussalam	N/A	Qualitative	N/A			N/A
Cambodia	N/A	Qualitative	N/A			N/A
Laos	N/A	Qualitative	N/A			N/A
Malaysia	N/A	Qualitative	3			N/A
Myanmar	N/A	Qualitative	N/A			N/A
The Philippines	3	Qualitative	5	2,15	1,5	N/A
Cinconoro	1	Qualitativa	2			Assessment Yet
Singapore	1	Qualitative	2			Started
Thailand	1	Qualitative	3			N/A
Vietnam	1	Qualitative	1			Assessment Yet
vietriain	1	Qualitative	1			Started
Argentina	2	Qualitative	4	2,56	1,5	Incomplete
China	2	Qualitative	2	2,50	1,5	Emission (NZE) Target Status Incomplete N/A N/A N/A Incomplete N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A

Table 3.1. Indonesia's climate ambitions vs. other countries with similar characteristics

India	2	Qualitative	1		Incomplete
Mexico	2	Qualitative	4		N/A
Poland	N/A	Qualitative	4		N/A
South Africa	3	Qualitative	5		N/A
South Korea	2	Qualitative	4		N/A
Türkiye	1	Qualitative	1		N/A

Annex 4: Short list of Indonesia's climate policies

NDC Sub-Policy Policy **Openness of Critical Guiding Rationale for Fiscal Political Barriers Overall Gaps Fiscal Implication Implication Estimates** Objective Sector sector Document(s) Discussion Questions 1. Government 1. How can the interference on 1. Interference on government ensure foreign-sourced foreign-sourced foreign-sourced climate financing climate financing. climate financing will latest example being 2. Institutional be mobilised for localthe end of the MoU readiness to driven climate Outline the between Indonesia implement targets? PP No. 46/2017: Systemic policy economic Regulation economic 2. How can the and Norway. Perpres No. which implicates Climate Crossalready in instruments High 2. Institutional instruments. government source sectoral Finance 77/2017; PMK No. government's more climate finance of climate place readiness to 3. Improve the trust 137/PMK.01/2019 budgeting process of donors on the for NDC targets? change implement some economic instruments accountability of 3. How will the such as state-led economic government ensure incentives/disincentive instruments to transparent, efficient, and effective s, environmental disburse climate funding, and carbon standards for climate finance market. finance management? 1. Concern on the 1. Concern on the 1. How can the Regulation impact of carbon impact of carbon government safeguard Outline the already in regulations on regulations on the implementation of policy Systemic policy place but domestic economic domestic economic carbon market Carbon Perpres No. instruments which implicates Cross-High technical subcompetitiveness i.e., competitiveness without sacrificing Economic sectoral 98/2021 for carbon government's Value regulations cap-and-trade, i.e., cap-and-trade, domestic economic emissions in budgeting process are lacking growth? taxation. taxation. Indonesia (underway). 2. Relatively new: lack 2. Carbon market is 2. How can the of public trust that the domestic carbon a relatively new

Table 4.1. Climate policy short list

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
							government can carry this out while transparency and accountability is everything that brings values to carbon market.	concept; a significant time of preparation and trial and errors should be expected. 3. There is a lack of public trust that the government can carry this out while transparency and accountability are what bring values to carbon market.	market be carried out effectively between government and the private sectors? 3. How to ensure that carbon market can generate revenue for local communities?
FOLU	Land Use	LTS-LCCR 2050	Reducing the rate of deforestatio n and forest degradation	Medium	BKF (2020) estimates the forestry sector in general requires IDR 77.8 trillion from 2018–2019. Each action may incur differing costs; for example, law enforcement is likely to be cheaper than restoration and or management actions	Regulation already in place through the issuance of the FOLU Net Sink 2030. Besides, the cost of peatland and wetland protection can be very high	Concern arises in terms of ensuring law enforcement and preventing forest fire, while protecting the rights of customary land communities	 Law enforcement, where resources came from Prevention of forest fire Protection and involvement of the rights of customary land and communities 	 How can the government ensure that they have the resources they need for law enforcement to halting deforestation and forest fire? How can the government ensure that customary rights are protected, and customary communities are involved in

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									deforestation prevention?
FOLU	Land use		Land rehabilitatio n	Medium			No significant political barriers	Ensuring resources needed are available	1. What are the government's action plan to ensure that
FOLU	Land use	LTS-LCCR 2050	Peatland and wetland restoration	High			The ability of the BRGM to effectively manage peatlands and wetlands using the resources available, and prevent further forest fires from happening	Ensuring the oversights of the BRGM in preventing forest fires while restoring/managing peatlands and wetlands, ensuring community participation, all while ensuring the resources needed are available	the budget for this is used efficiently? 2. Do the government have action plan on the innovative ways to obtain financial resources? 3. What are the government's plans to ensure that communities are involved in the peatland and wetland management?
FOLU	Land use	FOLU NET SINK 2030	Protection of forests from deforestatio n and degradation	Low		FOLU Net Sink is upgraded with a more technical details on mapping, but needs to be	Concerns from concession owners	Law enforcement on limiting natural forest degradation	What are the government's concrete steps on limiting deforestation, other than limiting the issuance of new forest concession licenses?

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
FOLU	Land use		Forest and land rehabilitatio n	Medium		more connected with the LTS LCCR 2050	No significant political barriers	Ensuring resources needed are available	1. What are the government's action plan to ensure that the budget for this is
FOLU	Land use		Peatland manageme nt	High		Regulation already in place through the issuance of the FOLU Net Sink 2030. Besides, the cost of peatland and wetland protection can be very high	The ability of the BRGM to effectively manage peatlands and wetlands using the resources available, and prevent further forest fires from happening	Ensuring the oversights of the BRGM in preventing forest fires while restoring/managing peatlands and wetlands, ensuring community participation, all while ensuring the resources needed are available	used efficiently? 2. Do the government have action plan on the innovative ways to obtain financial resources? 3. What are the government's plans to ensure that communities are involved in the peatland and wetland management?
Energy	Transpor t	Perpres No. 55/2019; Permen ESDM No. 12/2015	Cleaner combustion : biofuel	Medium	BKF (2020) estimates the energy sector in general requires IDR 3,3702 Trillion from 2018–2019, the highest of all sectors	The target is already set. The government is using the palm oil export levy and use it to subsidise the price of biofuel through the	 Biodiesel might bring the unintended effects of increasing deforestation for new palm oil and jeopardies climate goals Palm oil levy through the BPDPKS is mostly for biofuel instead of 	 Need to consider low and/or fluctuating global oil price. Need to implement CPO plantation moratorium. Overarching plan frog-leaping to EV 	 How to ensure further deforestation is prevented while meeting the target of biofuel production from CPO? How can the government ensure the effectiveness of new palm oil plantation moratorium in forest

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						Palm Oil Fund	sustainability		areas?
						(BPDPKS).	transition		3. How to ensure the
						Regulation is			smooth transition
						also in place,			from biofuel to EV
						which			industries, which
						promises			develop without wider
						fiscal & non-			nickel mining
						fiscal			damages?
						incentives for			
						investors in			
						the supply			
						chain. The			
						penalty is also			
						there, despite			
						it being			
						administrative			
						penalty only.			
						However, it			
						lacks the			
						estimation of			
						fiscal and non-			
						fiscal needs.			
						1. The plan	1. LRT might be	1. Costly, hence	How can the
			Incroasing			has gone into	preferred in some	private investments	government find the
	Transport		Increasing public			real LRT & BRT	cities, but it is	and/or foreign	adequate financing
Energy	Transpor +	RPJMN 2020–2025		High		project.	relatively costly	public investments	(other than
	t		transportati			2. COD might	compared to BRT	might be necessary	APBN/APBD) for
			on usage			be in 2022–	2. Foreign investors	2. Subsidy will likely	sustainable public
						2023.	might be interested	be required to	transports without

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						3. WB, China,	especially for large-	ensure public	sacrificing public
						Korea, &	scale projects, which	affordability	affordability and
						several	may not sound well for		transition to from
						companies	some groups		private to public
						are interested	3. Subsidy for tickets is		transports (i.e.,
						funders.	likely still needed		subsidies for tickets)?
						4. Has been			
						formalised as			
						a part of			
						Indonesia's			
						Development			
						Plan			
						5 The train			
						will have			
						different			
						functions,			
						such as for			
						tourism,			
						connecting to			
						airport, etc			
						6. More detail			
						on feasibility			
						study and			
						financing the			
						project is still			
						under			
						discussion			
						7. In general,			
						project			

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						preparation and construction will take time			
Energy	Renewa ble	Draft Permen ESDM	Replacing PLN owned diesel power plants with renewable energy	High		On coal phase-out: 1. 5,200 PLTD spread over 2,130 locations have the potential	1. Arguments that coal	 Reducing the impact of coal as stranded assets and the loss of coal- related jobs Understanding to stop global climate 	1. How can the government manage the impact of coal as stranded assets and the loss of coal-related jobs?
Energy	Renewa ble	National Dedieselisation Program	Replacing PLN owned diesel power plants with renewable energy	High		to be included in the dedieselisatio n program. 3. In the initial stage, a PLTD conversion	is so far from Indonesia's cheapest energy deposit 2. Global climate justice discourse where developed countries got rich from	crisis, we need green growth for developing countries and de- growth for developed countries	 2. How can the government ensure the public that green growth is imperative as opposed to "dirty growth"? 2. On sustainability,
Energy	Renewa ble	RUPTL 2021–2030	Replacing PLN owned diesel power plants with renewable energy	High		program will be implemented in 200 locations equivalent to ±225 MW.	 coal hence Indonesia can too. 3. Rejection from coal business associations and stakeholders on green agenda 	3. Sustainability aspects: how to ensure that biomass co-firing will not induce further deforestation	how to ensure that biomass co-firing will not induce further deforestation? 3. Are there any cooperation potential to speed up coal phase out?
Energy	Energy transitio n,	Multiple draft regulations have been established or are underway to	Blending co- firing for coal-fired power	Medium		4. In the early stages, the conversion of PLTD to NRE		4. Blending/co- firing coal power plants with renewable-sourced	4. How to ensure energy/electricity is still affordable despite

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
	renewab	support co-firing	plants with			will be carried		might be a good	coal/biomass co-firing
	le	for coal-fired	renewable			out for		adaptation strategy	or coal phase-out?
		power plants. Also,	source-fuel			generating		but could also delay	
		part of ESDM				units with an		coal phase out	
		roadmap.				age of more		5. How to disprove	
						than 15 years		the fear of	
								increased electricity	
						On coal co-		pricing due to	
						firing with		multiple issues such	
						new/renewabl		as feedstock	
						e energy:		continuity,	
						1. There will		provenance (does it	
						be pilot		come from faraway	
						project with		places), etc. For co-	
						5% biomass at		firing, technological	
						32 existing		wise, many boilers	
						PLTU unit and		in existing PLTU can	
						will be		only accept uniform	
						expanded to		type of fuel and	
						52 locations.		logistically will be	
						2. To achieve		difficult for biomass	
						23% RE Mix in		cofiring.	
						2025, will			
						require 10–			
						20% portion			
						of biomass co-			
						firing (10% in			
						Java, 20%			
						outside Java)			

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						 3. The estimated biomass volume: 8-14 million ton/year (at CF 70%) 4. New PLTU must be designed with biomass cofiring capacity at 30% 			
Energy	Energy transitio n	New and Renewable Energy Draft Bill	Prioritisatio n on underdevel oped regions for new and renewable energy	High		New energy (nuclear and other resources) must first prioritise isolated, underdevelop ed, rural regions in Indonesia. Either state- owned or private enterprise can	Fear over the safety of nuclear power plants	 Public understanding on nuclear power plant, including its benefits and safety Affordability - any alternative energy sources must consider consumer affordability, especially in rural regions where buying power is low 	 For new energy especially nuclear, how does the government ensure its safety and convince the public of that? What are the government's plan to ensure affordability of new energy among rural consumers, without too much weighing on the APBN/APBD?

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						participate in the process.			
Energy	Energy transitio n	New and Renewable Energy Draft Bill	Local contents of new and renewable energy	Medium		Any enterprise on renewable energy should prioritise local energy potentials and domestic products, including domestic materials and components.	Some materials for renewable energy, such as PV cells, are cheaper imported (i.e., from China) than produced locally	Ensuring local contents requirement does not obstruct local industry growth	How to ensure that local content requirement does not prevent the development of local renewable energy industries, as some material (i.e., PV cells) are cheaper imported?
Energy	Fund Agency	New and Renewable Energy Draft Bill	The establishme nt of the New and Renewable Energy Fund	Medium		The Fund is currently still in the early design phase - nothing is out yet. But some wonder what the prioritisation of the fund would be (i.e., solar might	There is already the Environment Fund, a fund management agency for environmental program	 Ensuring the right prioritisation of the Fund Potential overlap with the BPDLH 	 How can the government ensure that the Fund will invest in the "more sustainable" type of renewable energy (i.e., solar, wind, etc) instead of, for example, coal-biomass co-firing? How will the government mitigate

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						need more support)			potential overlap with the existing fund, such as the BPDLH?
Energy	Renewa ble energy pricing		Pricing mechanism of new and renewable energy	Low		1. Ensuring that renewable energy prices are affordable			How will the government ensure
Energy	Renewa ble energy incentiv es	New and Renewable Energy Draft Bill	Incentive mechanism of new and renewable energy	Medium		for the consumer base while also bringing sustainable profit for private investors - PLN should take an active role 2. The problem of PLN's Business Area where the requirements for private energy provider on renewable	PLN tends to be reluctant in granting private enterprises for underdeveloped regions	 Ensuring affordability and sustainable profits, without being too much of fiscal burden Inviting private investors for renewable energy development without compromising PLN's electrification plan 	the affordability of new and renewable energy to the public, especially among households in the eastern Indonesia where the electrification ratio is still lower than Java's? How can the government ensure that private investors are more inclined to invest in renewable energy rather than dirty energy (i.e., coal, oil, etc.)?

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
Energy	Energy transitio n	Draft Presidential Regulation for coal phase out is underway between ESDM and Kemenko Marves.	Objective Moratorium on new coal power plants and coal phase- out	High	Implication Estimates	Discussion energy is complicated and at times costly 1. Is this secured in any policies? Indeed, there is NO specific policy on moratorium 2. What could go wrong? Legal dispute with coal IPPs? 3. What is the status of discussion here? It seems that the public has accepted that the moratorium will be	 Arguments that coal is so far from Indonesia's cheapest energy deposit Global climate justice discourse where developed countries got rich from coal hence Indonesia can too. Rejection from coal business associations and stakeholders on green agenda 	 Lack of concrete policies on coal moratorium No plan to mitigate potential disputes with coal actors Understanding to stop global climate crisis, we need green growth for developing countries and de- growth for developed countries 	Questions 1. What are the underpinning policies for coal moratorium in Indonesia? 2. What are the strategies to overcome potential disputes over coal moratorium in Indonesia? 3. How can the government ensure the public that green growth is imperative as opposed to "dirty growth"?
						happening as PLN, as the grand			

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						executioner, has stated this in its RUPTL (although RUPLT can be revised every year) 4. Engagement options? What are problems and how can this policy be improved?			
Agricult ure	Renewa ble, biofuel	UU No. 11/2020 on Jobs Creation and PP No. 5/2021 on Risk-Based Business Licensing	Ease of investment for palm oil investment	Low	BKF (2020) estimates USD 2.2 B needed for the agricultural sector to reach the NDC targets by 2030,			Increasing incentives for oil palm plantation can have a negative impact on increasing the rate of deforestation	1. How can the government guarantee that new investments will run together with the prevention of palm oil- induced deforestation
Agricult ure	Renewa ble, biofuel	LTS-LCCR 2050, RIPIN, and RUEN (not specific to CPO)	Increasing palm oil productivity	Low	although biofuel blending might intersect with the energy sector financing needs	Increasing palm oil productivity may prevent deforestation ONLY if it can go together	No clear connection between the LTS-LCCR 2050 and the RIPIN and RUEN	Increasing productivity in oil palm plantations can prevent deforestation only if it goes along with the moratorium on	(moratorium)? 2. How can the government provide incentives in the form of fiscal or non-fiscal ease for the practice of sustainable oil palm

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						with effective moratorium on new deforestation on plantation		new oil palm plantations in the forest area	plantations (Example: ISPO and RSPO certification)? 3. How can the government ensure the effectiveness of the moratorium of new oil palm plantations in the forest area? 4. How to ensure deforestation on
Agricult ure	Renewa ble, biofuel	LTS-LCCR, RIPIN, and RUEN (not specific to CPO)	Promote CPO-based fuel	Low		Indonesian government is actively increasing the use of biofuel 2. Further intervention is necessary to address the three main risks: - Fiscal risks, due to the heavily subsidised biodiesel; - Market risks,	Lack of public trust, either from domestic or international markets on Indonesia's CPO sustainability (ISPO is not enough) since it may worsen deforestation	 Lack of public trust, both from the domestic or international market about the sustainability aspects of Indonesian palm oil (CPO) - Indonesia Certification of Palm Oil - ISPO is considered very insufficient) The fear that the use of CPO produced in Indonesia can 	peatlands can be prevented while at the same as the government is trying to meet the biofuel target from CPO production? 5. How can the government ensure that the funds collected from the Palm Oil Fund Management Agency (BPDPKS) is not only used for biofuel subsidies but can also be used for the

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						due to the		worsen	development of palm
						domestic		deforestation	farmers' capacity and
						market			increase the added
						saturation for			value of the
						biodiesel;			Indonesian palm oil
						-			supply chain?
						Environmenta			6. Because there are
						l risks, due to			no derivative
						the			regulations for palm
						accelerated			moratorium and this
						deforestation			regulation is more
						caused by			resemble to a
						biodiesel/CPO			directive, the interest
						production			for the moratorium
						No specific			among local
						targets, but			governments is low.
						intervention			How can the
						and			government ensure
						implementati	There is no further		more effective
			Moratorium			on have been	sub-regulation. The	No specific targets	moratorium
Agricult	Renewa		on new			made to (1)	directive is inherently	aside from	implementations?
ure	ble,	Inpres No. 8/2018	palm oil	Low		suspend the	principal, which results	suspension of	
ure	biofuel		license			relinquishmen	in the	activities in the	
			license			t or forest	underachievement of	three institutions.	
						area	the moratorium.		
						conversion			
						into palm oil			
						plantations			
						for the			

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						Ministry of			
						Environment			
						and Forestry;			
						(2) suspend			
						the issuance			
						of the Right-			
						to-Cultivate			
						(HGU) if the			
						acquisition of			
						the HGU is			
						deemed not			
						to be in			
						accordance			
						with			
						prevailing			
						laws and			
						regulations			
						for the			
						Ministry of			
						Agrarian			
						Affairs and			
						Spatial			
						Planning; and			
						(3) suspend			
						the issuance			
						of			
						recommendat			
						ions/licenses			
						by			

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
						subnational heads of government for palm oil plantation establishment within forest areas.			
Dual benefits	Adaptati on and mitigatio n	Permen LHK No. 84/2016	Promote and introduce the climate Village Programme (Proklim)	Low	0.66–3.45% GDP, based on the LTS LCCR document, historically USD 55.01 billion in 2015–2019 (NDC)				
Adaptat ion	Adaptati on	Permen LHK No. 7/2018		Medium					
Adaptat ion	N/A	Permen LHK No. P.33/2016 on Guidelines for Development of Adaptation Actions	Sets the guideline for developme nt of National Adaptation Plan (NAP)	High					

NDC Sector	Sub- sector	Policy Document(s)	Policy Objective	Fiscal Implication	Rationale for Fiscal Implication Estimates	Openness of Discussion	Political Barriers	Overall Gaps	Critical Guiding Questions
	Adaptati on		Introduce						
Adaptat ion			the						
			vulnerability	Medium					
			index						
			(SIDIK)						