

SUB-OUTPUT DESCRIPTIONS

Output 1: Climate and disaster resilience enhanced, and low carbon transitions facilitated	
Sub-output 1	Climate and disaster resilience enhanced
Indicative outputs and activities	<p>Policy support for climate investment planning aligned with national adaptation plans strengthened</p> <ul style="list-style-type: none"> • Establish a GMS-wide platform on climate and disaster resilience in partnership with the Global Commission on Adaptation • Support national efforts to operationalize adaptation plans in priority sectors like agriculture, water resources and rural infrastructure <p>Activities on community and ecosystem resilience implemented</p> <ul style="list-style-type: none"> • Support activities on community-based adaptation and disaster risk management • Conduct activities on ecosystem-based adaptation approaches in coastal, upland and other ecosystems <p>Capacity and knowledge for mainstreaming climate and disaster resilience strengthened</p> <ul style="list-style-type: none"> • Conduct targeted training on integration of climate and disaster concerns in sectoral development planning, focusing on climate proofing rural infrastructure • Strengthen institutional and technical capacity for use of early warning systems and disaster risk management
Implementation schedule	April 2020 – March 2024
Sub-output 2	Low carbon transitions facilitated
Indicative outputs and activities	<p>Enabling policies for implementing nationally determined contributions in agriculture, energy and transport sectors promoted</p> <ul style="list-style-type: none"> • Assess policy barriers and identify measures for effective implementation of sectoral climate investment plans aligned with nationally determined contributions in at least 3 GMS countries • Develop results framework to monitor progress in commitments of nationally determined contributions <p>Demonstrations to enhance uptake of low carbon technologies in partnership with the private sector implemented</p> <ul style="list-style-type: none"> • Demonstrate and scale up of green freight options, including preparation of national green freight road maps • Conduct demonstrations on low carbon agriculture options in partnership with the private sector <p>Institutional and technical capacities to monitor, report and verify emission reductions in target sectors strengthened</p> <ul style="list-style-type: none"> • Hold biannual GMS forum on MRV of low carbon transitions • Conduct training on MRV options to the national and local governments, private sector and other stakeholder groups
Implementation schedule	October 2020 – September 2024

Output 2: Climate-smart landscapes promoted and environmental quality enhanced	
Sub-output 1	Climate-smart landscapes promoted
Indicative outputs and activities	<p>Policy and strategic planning support for integrated and inclusive landscape management provided</p> <ul style="list-style-type: none"> • Identify and promote good practices for agroecology zoning, land-use planning, REDD+, and community-based forest management • Provide GMS-wide policy advisory support to draft required regulations <p>Nature-based solutions for climate actions and livelihoods support demonstrated</p> <ul style="list-style-type: none"> • Design compensation mechanisms for ecosystem services focusing on climate benefits from a landscape perspective • Demonstrate ecosystem-based approaches for greenhouse gas mitigation and conduct detailed studies <p>Knowledge management and capacity for climate-smart landscape management strengthened</p> <ul style="list-style-type: none"> • Train staff from government and the private sector on payment for ecosystem services and other financing mechanisms • Strengthen capacity of community owned enterprises on skills required to run nature-based climate-smart enterprises
Implementation schedule	April 2020 – September 2024
Sub-output 2	Environmental quality through pollution control and waste management enhanced
Indicative outputs and activities	<p>Policy and regulatory frameworks on environmental management strengthened</p> <ul style="list-style-type: none"> • Provide advisory and strategic planning support on strategic environment assessment, environmental quality standards, and economic instruments • Prepare subregion-wide guidelines on air, water, and soil pollution control and remediation <p>Studies to develop GMS RIF investments on rural waste management and pollution control conducted</p> <ul style="list-style-type: none"> • Conduct two detailed studies on rural land and water-based waste management, including plastics • Prepare sub-regional investment projects on pollution control <p>Capacities for circular economy and sustainable waste management strengthened</p> <ul style="list-style-type: none"> • Enhance capacities of WGE and their key government staff for environmental quality data management, monitoring and modeling • Organize training workshops on circular economy and sustainable waste management
Implementation schedule	October 2021 – September 2024

Output 3: Green technologies and financing instruments demonstrated	
Sub-output 1	Digital technologies for climate actions and environmental sustainability deployed
Indicative outputs and activities	<p>Technologies for advancing climate action and environmental sustainability identified and prioritized:</p> <ul style="list-style-type: none"> • Conduct green technology needs assessments • Identify best practices for technology policy leapfrogging <p>Transferability, applicability, and viability of advanced technologies demonstrated</p> <ul style="list-style-type: none"> • Implement priority demonstration projects on: <ul style="list-style-type: none"> ◦ Block chain-enabled climate action monitoring ◦ AI-enabled pollution monitoring and management ◦ Drone-enabled sustainable forest management ◦ Mobile phone-based early warning systems <p>Capacity of communities, public institutions, and the private sector strengthened</p> <ul style="list-style-type: none"> • Improve digital literacy in farming and SME communities • Conduct training of trainers in selected universities
Implementation schedule	October 2020 – March 2025
Sub-output 2	Innovative climate and disaster risk financing instruments demonstrated
Indicative outputs and activities	<p>Enabling policy conditions to deploy innovative financing instruments and access international climate finance assessed</p> <ul style="list-style-type: none"> • Analyze policies and measures to access climate finance and deploy new financing instruments within and outside each GMS country, by paying particular attention to support for public-private partnerships, incentive structures, and harmonization standards; • Recommend measures to overcome barriers for accessing climate finance <p>Climate and disaster risk financing instruments designed and tested</p> <ul style="list-style-type: none"> • Demonstrate innovative climate financing options (e.g. vehicles to catalyze private capital, blended finance) for sustainable infrastructure and uptake of green technologies in at least two GMS countries • Demonstrate disaster risk financing instruments (e.g., community credit lines, weather index-based insurance) in at least two countries <p>Capacity and knowledge on innovative environmental and disaster risk financing instruments strengthened</p> <ul style="list-style-type: none"> • Strengthen capacity of financial institutions and the private sector to preferentially support green infrastructure and technologies • Conduct sub-regional trainings (learning-by-doing) to mobilize climate and environmental finance
Implementation schedule	April 2020 – March 2023

ADB = Asian Development Bank, AI = artificial intelligence, GMS = Greater Mekong Subregion, MRV = monitoring, reporting and verification, REDD+ = reducing emissions from deforestation and forest degradation in developing countries, RIF = regional investment framework, WGE = working group on environment.

Source: Asian Development Bank.