



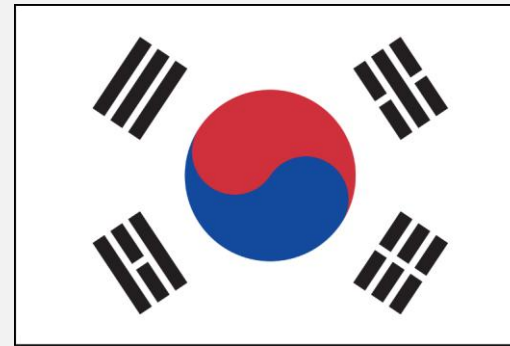
ASEAN-KOREA COOPERATION
**FOR METHANE
MITIGATION**

7 August 2026 | From Waste to Climate Solutions: Circular Economy and Methane Action
in South and Southeast Asia, Online



외교부

Ministry of Foreign Affairs



AKCF
**ASEAN-KOREA
COOPERATION
FUND** 한 - 아세안 협력기금

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01 Project Factsheet

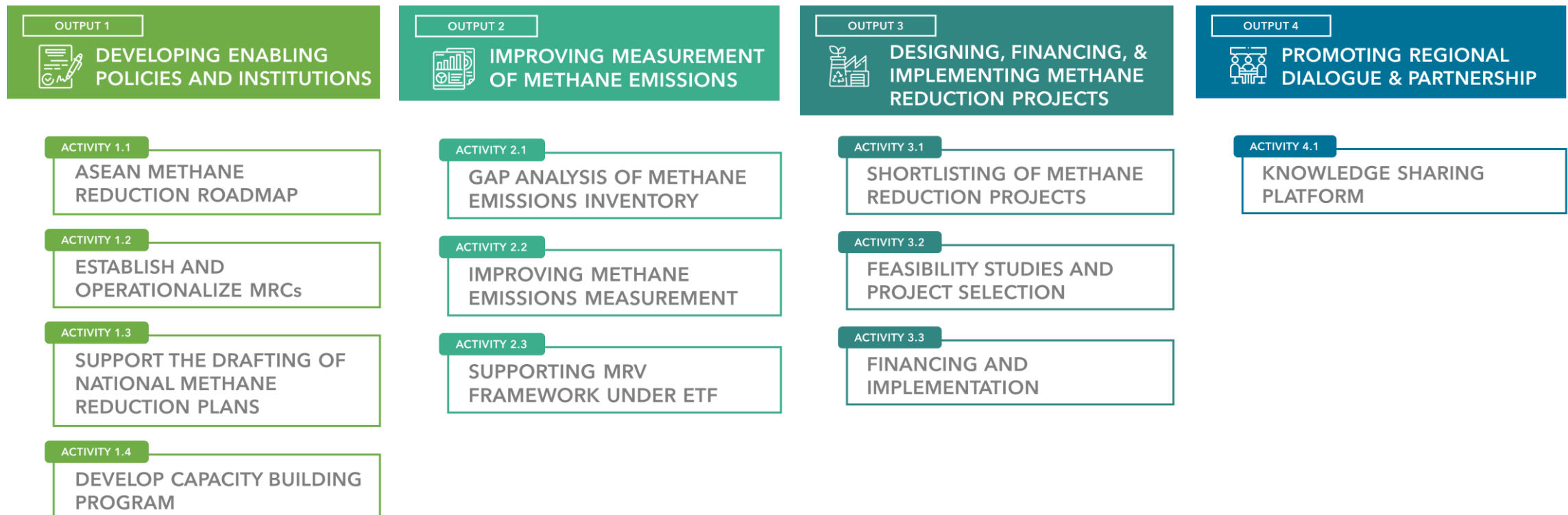
1.1 Factsheet

- ❖ The **ASEAN-Korea Cooperation for Methane Mitigation (AKCMM)** is a USD 20M, 3-year regional project to support methane mitigation in Asia at scale. This program, funded by the ASEAN-Korea Cooperation Fund, is implementing in ASEAN Member States.

Title	ASEAN-Korea Cooperation for Methane Mitigation
Objective	Supporting mitigation of methane emissions in AMS
Budget and duration	USD 20M, 3 years (2024 -2027)
Countries	Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Philippines, Singapore, Thailand, and Viet Nam
Areas of support	1. Developing enabling policies and institutions 2. Improving measurement of methane emissions 3. Designing, financing, and implementing methane reduction sub-projects 4. Promoting regional dialogue and partnership
Donor	ASEAN-Korea Cooperation Fund
Implementing agency	Global Green Growth Institute

1.2 Outputs overview

- ❖ The outputs span all stages of methane reduction, starting with **policies and institutions** (Output 1); **measurement of baselines and reductions** (Output 2); designing, assessing, and implementing **methane reduction projects** (Output 3); and promoting **regional knowledge sharing** of best practices and lessons learned (Output 4).
- ❖ Activities 1.1 and 4.1 are *regional* in scope and GGGI's regional office will lead their delivery, whereas all other outputs are *country-specific* and therefore GGGI's country offices (in each AMS) – together with line ministries – will play a central role.



| 02 Governance

2.1 A two-tiered governance mechanism

Need for a two-tiered governance mechanism

- Unlike most ASEAN Cooperation Projects, AKCMM was designed with significant emphasis on **on-the-ground implementation** in individual ASEAN Member States.
- This meant that having one Project Steering Committee at the *regional* level would likely be inadequate, especially given the project size.
- Therefore, GGGI – in consultation with AWGCC – included *national* level steering committees (tentatively called **Methane Reduction Committees**) to oversee activities taking place in each AMS.

PROJECT GOVERNANCE AT REGIONAL LEVEL

PROJECT STEERING COMMITTEE

Composition

- AWGCC
- ASEAN Secretariat
- ROK Mission to ASEAN (or AKPMT)
- GGGI

PROJECT GOVERNANCE AT NATIONAL LEVEL

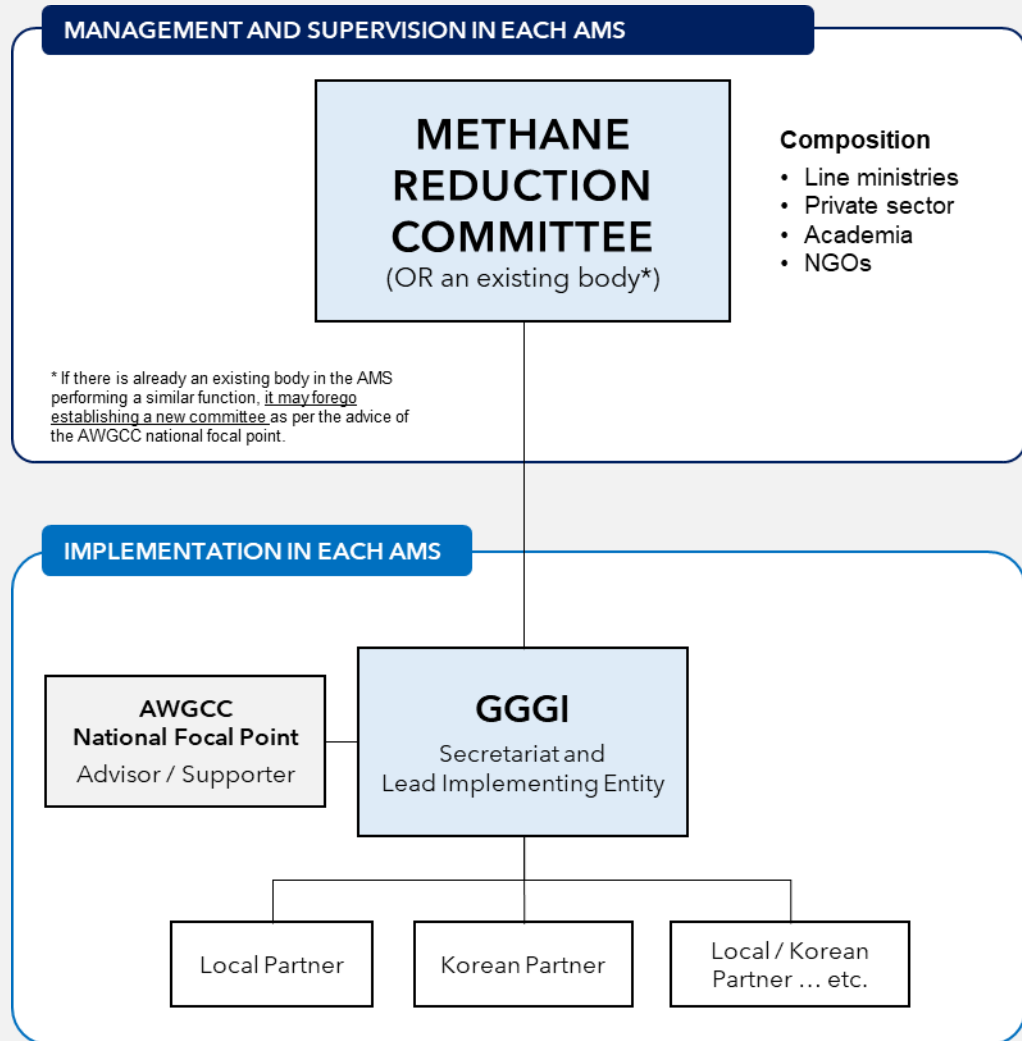
METHANE REDUCTION COMMITTEE (OR an existing body*)

Composition

- Line ministries
- Private sector
- Academia
- NGOs

⇒ There is one MRC per ASEAN Member State.

2.2 National-level: Methane Reduction Committees

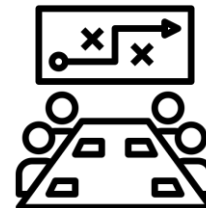


1 Composition



- Project management and supervision at the national-level will be led by a Methane Reduction Committee (MRC) or an existing body with a similar mandate.
- The MRC will ideally be composed of senior officials from line ministries and representatives from the private sector, academia, and NGOs, with the ministry / department responsible for methane reduction serving as the MRC's chair.

2 Function



- The MRC will be leading, among others, the following activities:
 - ✓ **Reviewing and providing feedback** to the draft Methane Reduction Plan and related documents
 - ✓ **Endorsing and adopting** the Methane Reduction Plan
 - ✓ **Deciding** which gaps should be addressed with respect to the measurement of methane emissions,
 - ✓ **Selecting** methane reduction project concepts at the shortlisting and implementing stages, and,
 - ✓ **Steering** the project towards successful completion.
- To support MRC members in performing these functions, capacity building activities tailored to the needs of each MRC (e.g., trainings, study tours, workshops, etc.) will be developed within the first six months of the program's launch.

2.2 National-level: Methane Reduction Committees

(1) Thailand



Photo 1.
21 March 2025
in Bangkok,
Thailand.

(2) Cambodia



Photo 2.
6 May 2025 in
Phnom Penh,
Cambodia

(3) Philippines



Photo 3.
20 May 2025 in
Manila,
Philippines.

(4) Malaysia



Photo 4.
31 July and 1
August 2025
in Langkawi,
Malaysia.

(5) Indonesia



Photo 5.
Established on
September 4
2025.

(6) Lao PDR



Photo 6.
24 March 2026
in Vientiane,
Lao PDR.

03 ASEAN Methane Reduction Roadmap (MRR)

3.1 Scope of MRR



Review & Stocktake

Current Landscape

Review current methane emission levels and take stock of existing methane-related initiatives across ASEAN Member States.



Regional Opportunities

Needs & Gaps

Identify regional needs, gaps, and opportunities for methane mitigation and cooperation at scale.



Sectors & Pathways

Contextual Feasibility

Assess priority sectors and mitigation pathways based on regional context and feasibility.



Strategic Recommendations

Actionable Approaches

Recommend ASEAN-level strategic directions and actionable approaches to support implementation at scale.

3.2 Background

Methane as a climate driver:

28× more potent than CO₂ responsible for ~30% of global warming. Its short lifetime (~12 years) makes rapid reductions highly effective.

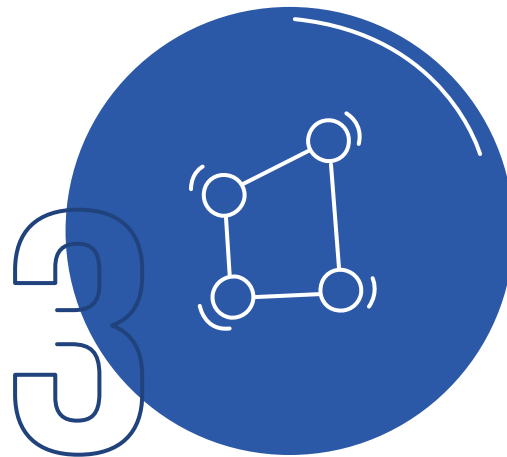


Global Methane Pledge

Global goal: 30% by 2030
Focus on major emission sources
Cambodia, Indonesia, Malaysia, Philippines, Singapore, and Viet Nam.

National Methane reduction roadmaps

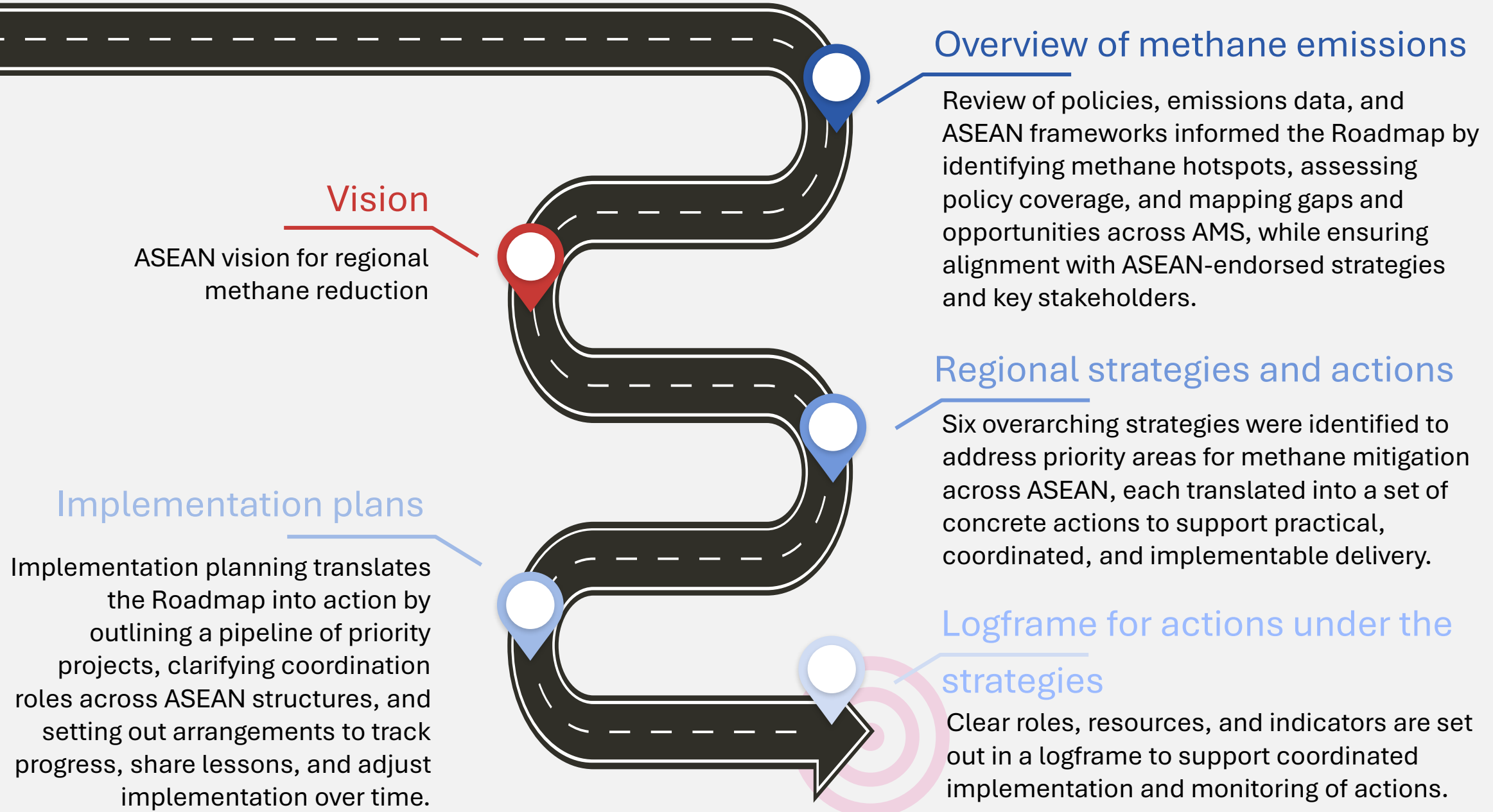
Cambodia and Viet Nam



ASEAN–Korea Cooperation

ASEAN–Korea Cooperation for Methane Mitigation Project, ASEAN MRR to accelerate regional action.

ASEAN MRR | Structure



Overall development process



MRR | 1st draft

July 2025

Policy review and methane emissions analysis, mapping of gaps and opportunities, as well as Mitigation measures assessment and scenarios development for each AMS in key sectors



Consultation

July – September 2025

Bilateral consultations with AMS and external expert reviewers



MRR | 2nd draft

September 2025

Integrating AMS and external reviewers inputs, notably on data for scenario development and adding sectoral strategies



In-person meeting

Seoul, September 2025

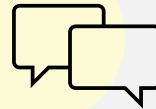
Feedback from ASEC
→ Revision of the MRR, with a focus on regional strategies, (scenarios development and results as annex)



In-person meeting

Jakarta, February 2026

AMS consultation. Feedback received on Strategies and actions, projects pipeline and stakeholders roles



Consultation

January – February 2026

Comments from, ASEC, ACE, AMS, GGGI and external experts



Revised MRR | 1st draft

January 2026

Integrating 6 regional strategies and actions, an implementation plan, and logframe for actions under the strategies



Revised MRR | 2nd draft

March 2026

Including comments from, ASEC, ACE, AMS, GGGI and external experts.



In-person meeting

Singapore, April 2026

Cross-sectoral consultation from Government representatives, ASEAN Sectoral Bodies, ASEAN centers, ASEC

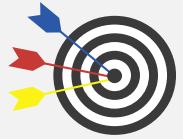


Revised MRR | 3rd draft

April 2026

Integrating feedback and comments from Singapore consultation meeting and other online comments/reviews

ASEAN MRR | Vision and Strategies



Contribute to achieve methane reduction in the ASEAN Member States across the agriculture, energy, and waste sectors through coordinated action, innovation, and sustainable investment, supporting regional climate goals and resilient development.

ASEAN MRR | Vision and Strategies



Contribute to achieve methane reduction in the ASEAN Member States across the agriculture, energy, and waste sectors through coordinated action, innovation, and sustainable investment, supporting regional climate goals and resilient development.

1.1. Organize Annual ASEAN Methane Dialogue to stocktake programs, challenges, gaps and opportunities

1.2. Establish a structured review process for ASEAN methane-related initiatives

1.3. Strengthen coordination across ASEAN sectoral bodies and ASEAN centres

1.4. Engage international organizations and development partners as well as national and local entities for technical cooperation

1.5. Promote alignment of national methane actions with ASEAN regional priorities

2.1. Harmonization and digitization of methane related data collection and management

2.2. Originating and designing methane reducing bankable projects

2.3. Establish an ASEAN Methane Knowledge Hub

2.4. Build capacity for policy, investment alignment, and peer learning

2.5. Provide guidance for community- and MSME-level capacity building

3.1. Design financing facility for pilot methane mitigation projects

3.2. Design grant fund for community-based/MSME methane mitigation activities

3.3. Develop regional guidance on methane-related green and transition finance

3.4. Engage with multilateral development banks and climate funds

3.5. Promote public-private financing models for methane mitigation

4.1. Support regional technology assessment and prioritization

4.2. Technical demonstration of methane reduction technologies

4.3. Foster R&D collaboration among ASEAN research institutions

4.4. Facilitate technology transfer and localization

5.1. Develop a time-bound platform focused on methane mitigation solutions and climate innovation start-ups

5.2. Promote and recognise voluntary methane reduction commitments by companies

5.3. Engage key sectoral value chains to promote low-methane practices

6.1. Roll out sector-specific digital data management systems

6.2. Share lessons learned and leverage regional MRV networks

6.3. Facilitate alignment with international and regional methane MRV standards

6.4. Institutional coordination and regional data aggregation

6.5. Verification of methane emissions

Stakeholder involvement in the MRR strategies

ASEAN Sectoral Bodies		Implication in the MRR strategies					
Senior Official-Level	Working Group-Level	1	2	3	4	5	6
ASEAN Secretariat		✓					
ASEAN Senior Officials on Environment (ASOEN)	ASEAN Working Group on Environmentally Sustainable Cities (AWGESC)		✓		✓	✓	✓
	ASEAN Working Group on Climate Change (AWGCC)	✓	✓				✓
	ASEAN Working Group on Chemicals and Waste (AWGCW)		✓		✓		✓
	ASEAN Working Group on Environmental Education (AWGEE)	✓	✓		✓		
ASEAN Senior Officials Meeting on energy (SOME)	ASEAN Council on Petroleum and Energy (ASCOPE)		✓		✓		
	Regional Energy Policy and Planning Sub-Sector Network (REPP-SSN)		✓		✓		
	ASEAN Forum on Coal (AFOC)						
ASEAN Senior Officials Meeting of the ASEAN Ministers of Agriculture and Forestry (SOM-AMAF)	ASEAN Sectoral Working Group on Crops (ASWGC)	✓	✓	✓	✓	✓	✓
	ASEAN Sectoral Working Group on Livestock (ASWGL)		✓		✓	✓	✓
	ASEAN Technical Working Group on Agricultural Research and Development (ATWGARD)				✓		
	ASEAN Working Group on Agriculture Training and Extension (AWGATE)		✓			✓	✓
ASEAN Finance Deputy Minister's Meeting (AFDM)	ASEAN Capital Market Forum			✓			
	ASEAN Finance and Central Bank Deputies WG Meeting			✓			
	Working Committee on Capital Market Development (WC-CMD)			✓			
ASEAN Finance Ministers and Central Bank Governors' Meeting (AFMGM)	ASEAN Taxonomy Board (ATB)			✓			

ASEAN Centres / Entities	1	2	3	4	5	6
ASEAN Centre for Climate Change (ACCC)	✓	✓		✓		✓
ASEAN Centre for Biodiversity (ACB)	✓		✓			
ASEAN Centre for Energy (ACE)	✓	✓	✓	✓	✓	✓
ASEAN Specialized Meteorological Centre (ASMC)						✓
ASEAN Business Advisory Council (ABAC)					✓	
Other stakeholders	1	2	3	4	5	6
ASEAN Member States	✓	✓	✓	✓	✓	✓
Universities, Research Institutions		✓		✓		
Private sector			✓		✓	
MDBs			✓			



1. Logframe for Action 1 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 1.1 Organize Annual ASEAN Methane Dialogue to stocktake programs, challenges, gaps and opportunities	AWGCC & GGGI (~2027) Support: ASEAN Environment Division, ACE (energy), SOM-AMAF WGs, AWGCW, ACCC	Cross-sectoral stocktaking and coordination with existing ASEAN frameworks.	AKCMM Phase 1 (~2028)	Official meeting held (Y/N)
Action 1.2 Establish a structured review process for ASEAN methane-related initiatives	ACCC Support: ASEAN Secretariat	Inclusion of a standard procedure for alignment with the MRR.	TBD	1–2 page review-process document (Y/N)
Action 1.3 Strengthen coordination across ASEAN sectoral bodies	AWGCC Support: ASEAN Environment Division and relevant sectoral bodies	Inter-sectoral coordination to support integrated methane mitigation approaches.	TBD	Joint sessions / agenda items / focal-point exchanges (X per year) Cross-sectoral initiatives identified (X per year)
Action 1.4 Engage international organizations, development partners and national/local entities for technical cooperation	ACCC Support: ASEAN Secretariat and relevant sectoral bodies	Facilitate technical assistance and knowledge exchange with international organizations.	TBD	AMS initiatives benefiting from partner-supported cooperation (X per year)
Action 1.5 Promote alignment of national methane actions with ASEAN regional priorities	AWGCC & ACCC Support: national focal points, MRCs and relevant sectoral bodies	Support voluntary integration of methane considerations into national climate planning.	TBD	Discussions integrating methane considerations (X per year) AMS referencing methane in national strategies (indicative)



2. Logframe for Action 2 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 2.1 Harmonization and digitization of methane-related data collection and management	ACCC Support: ACE (energy) and relevant ASEAN bodies	Replicate proven project types across ASEAN for scale; harmonize data-related methodology across ASEAN.	AKCMM Phase 1 (~2028)	ASEAN officials trained (X per year)
Action 2.2 Originate and design methane-reducing bankable projects	ACCC Support: AWGCC and Development partners (e.g., GGGI)	Harmonize data methodology across ASEAN; replicate proven project types across ASEAN for scale.	AKCMM Phase 1 (~2028)	ASEAN officials trained (X per year)
Action 2.3 Establish an ASEAN Methane Knowledge Hub	ACCC Leveraging ASEAN University Network, ASEAN Environment Knowledge Hub; inputs from ACE (HORIZONS), ACCEPT and sectoral bodies	Centralized access to methane mitigation knowledge and resources.	TBD	ASEAN Methane Knowledge Hub created (Y/N)
Action 2.4 Build capacity for policy, investment alignment and peer learning	ACCC & AWGCC Support: MRCs and relevant sectoral bodies	Strengthen policy alignment, project prioritization and access to climate finance for methane mitigation.	TBD	Capacity-building / training activities for AMS officials (Y/N)
Action 2.5 Provide guidance for community- and MSME-level capacity building	Relevant sectoral WGs e.g., ASWGC, ASWGL, AWGCW, AWGESC (support: ACCC)	Develop training materials for local stakeholders to implement methane mitigation actions effectively.	TBD	Learning materials elaborated (X per year)



3. Logframe for Action 3 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 3.1 Design a financing facility for pilot methane mitigation projects	ACCC Support: Development partners, engagement with MDBs / IOs	Trust fund in a MDB / IO (approx. USD 1M / year).	TBD	Financing-facility concept endorsed by ASEAN (Y/N)
Action 3.2 Design a grant fund for community-based / MSME methane mitigation activities	ACCC Support: Development partners	Trust fund in ACCC (approx. USD 500K / year).	TBD	Grant-fund concept endorsed by ASEAN (Y/N)
Action 3.3 Develop regional guidance on methane-related green and transition finance	ATB —	Non-binding regional guidance to recognize methane mitigation within sustainable finance frameworks.	TBD	Regional guidance document developed and made available
Action 3.4 Engage with multilateral development banks and climate funds	ACCC Support: AWGCC	Articulate common project concepts and provide guidance and peer-learning opportunities.	TBD	AMS projects funded by MDBs and climate funds (X per year)
Action 3.5 Promote public-private financing models for methane mitigation	ACCC Support: Development partners	Showcase regional financing approaches and partnerships for joint public-private engagement.	TBD	Regional good practices / approaches showcased through ASEAN platforms



4. Logframe for Action 4 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 4.1 Support regional technology assessment and prioritization	Sectoral bodies by lead Energy: ACE · Livestock: ASWGL · Agriculture: ATWGARD · Waste: AWGCW (support: AWGCC)	Identify most-suitable technologies; develop sector-specific technology briefs and prioritization guidelines.	TBD	Technology briefs and guidelines created
Action 4.2 Technical demonstration of methane reduction technologies	Sectoral bodies by lead Energy: ACE · Livestock: ASWGL · Agriculture: ATWGARD · Waste: AWGCW (support: AWGCC)	Implement pilot and demonstration projects at high-emission sites.	TBD	Projects implemented (X per year)
Action 4.3 Foster R&D collaboration among ASEAN research institutions	Sectoral bodies by lead Energy: ACE · Livestock: ASWGL · Agriculture: ATWGARD · Waste: AWGCW (support: AWGCC)	Facilitate regional research collaboration through joint initiatives, exchanges and applied research.	TBD	Joint research calls / initiatives / collaborative activities launched at ASEAN level (X per year)
Action 4.4 Facilitate technology transfer and localization	Sectoral bodies by lead Energy: ACE · Livestock: ASWGL · Agriculture: ATWGARD · Waste: AWGCW (support: AWGCC)	Targeted knowledge exchange — technical missions, study visits, practitioner exchanges — plus adaptation and local capacity development.	TBD	Tech-transfer / knowledge-exchange activities (X per year) Technologies undergoing adaptation or localization (X per year)



5. Logframe for Action 5 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 5.1 Develop a time-bound platform focused on methane mitigation solutions and climate-innovation start-ups	ACCC Leveraging existing platforms; support: relevant sectoral bodies	Raise awareness of business opportunities in the methane reduction space.	TBD	Start-ups funded by investors (X per year)
Action 5.2 Promote and recognise voluntary methane reduction commitments by companies	AWGCC Support: ABAC, ACCC and relevant sectoral bodies	Encourage alignment with global initiatives and voluntary targets; establish awards / recognition programs and highlight best practices in ASEAN forums.	TBD	Companies with voluntary targets or global-initiative commitments (X per year) ASEAN recognition mechanism established (Y) ASEAN forums highlighting leadership (X per year)
Action 5.3 Engage key sectoral value chains to promote low-methane practices	Relevant sectoral bodies e.g., ACE, ASWGs, AWGCW (support: ABAC)	Promote voluntary adoption of low-methane practices via dialogue, capacity-building and recognition of good practices.	TBD	Companies / cooperatives / utilities / supply-chain actors in engagement activities (X per year) Processors / retailers / intermediaries integrating methane in sourcing or operations (X per year)



6. Logframe for Action 6 under the Strategies

ACTION	LEAD BODY (SUPPORTING ENTITIES)	DESCRIPTION	RESOURCES	INDICATORS
Action 6.1 Roll out sector-specific digital data management systems	ACCC Support: ACE (energy) and relevant ASEAN bodies	Phased deployment and national adaptation of digital tools for methane data collection and management across key sectors.	TBD	Pilot projects by 2030 (target: 3)
Action 6.2 Share lessons learned and leverage regional MRV networks	ACCC (coordinating) Support: ACE and sectoral bodies, through ASEAN Methane Knowledge Hub	Document practical experiences using existing regional MRV networks to consolidate, share and disseminate methodologies.	TBD	Workshops held (X per year)
Action 6.3 Facilitate alignment with international and regional methane MRV standards	Relevant sectoral bodies Support: relevant Development partners	Align with IPCC guidelines and sector-specific international frameworks for consistent, phased adoption across AMS.	TBD	Regional MRV guidance documents endorsed (target: 1 per sector / sub-sector)
Action 6.4 Institutional coordination and regional data aggregation	AWGCC & ACCC —	Improve consistency, completeness and usability of methane data; enable regional aggregation of methane data.	TBD	ASEAN / sectoral meetings with methane data coordination as standing agenda Regional aggregation of methane emissions data (Y)
Action 6.5 Verification of methane emissions	AWGCC (lead) Support: ACCC and sectoral bodies	Promote credible, sector-appropriate verification using existing international frameworks and third-party assurance practices.	TBD	Verified methane data (e.g., CMM, oil & gas) included in national / sectoral reporting



Thank you



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