



Preparing for ICA and FSV the Malaysia Way

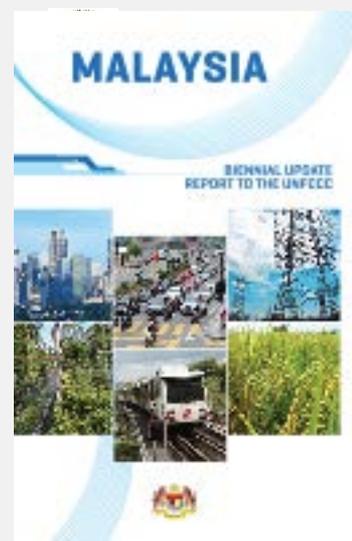
Introduction

BUR timeline

- Submitted on 3 March 2016
- Received initial questions for clarification on 18 May 2016
- Completed TA on 17 February 2017
- FSV on 15 May 2017

Malaysia's BUR Snapshot

- Six chapters and two technical annexes
- Chapters include:
 - National Circumstances
 - GHG Inventory
 - Mitigation actions and their effects
 - Level of support
 - Constraints, gaps and needs
 - Other information on addressing climate change
- Technical Annexes:
 - GHG Inventory
 - REDD+ Results based payments



Introduction

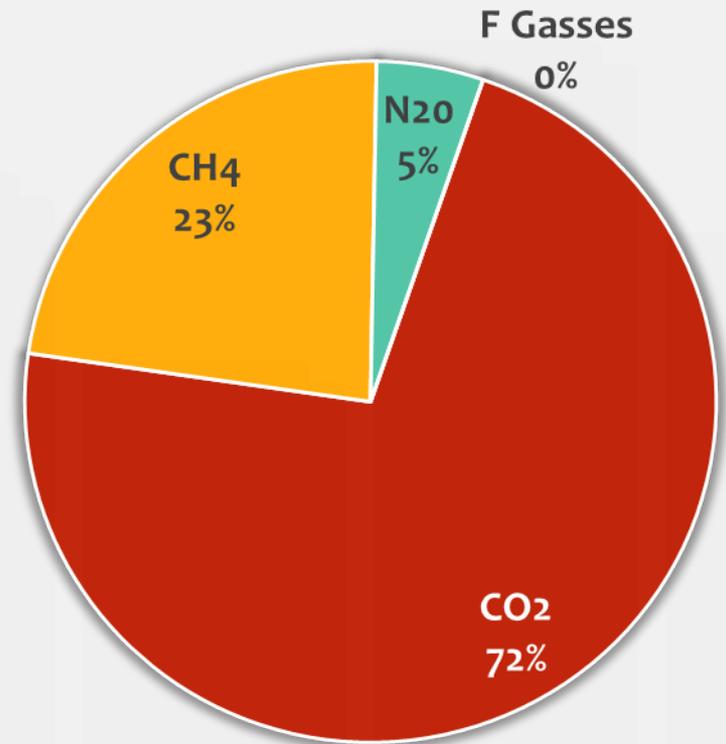
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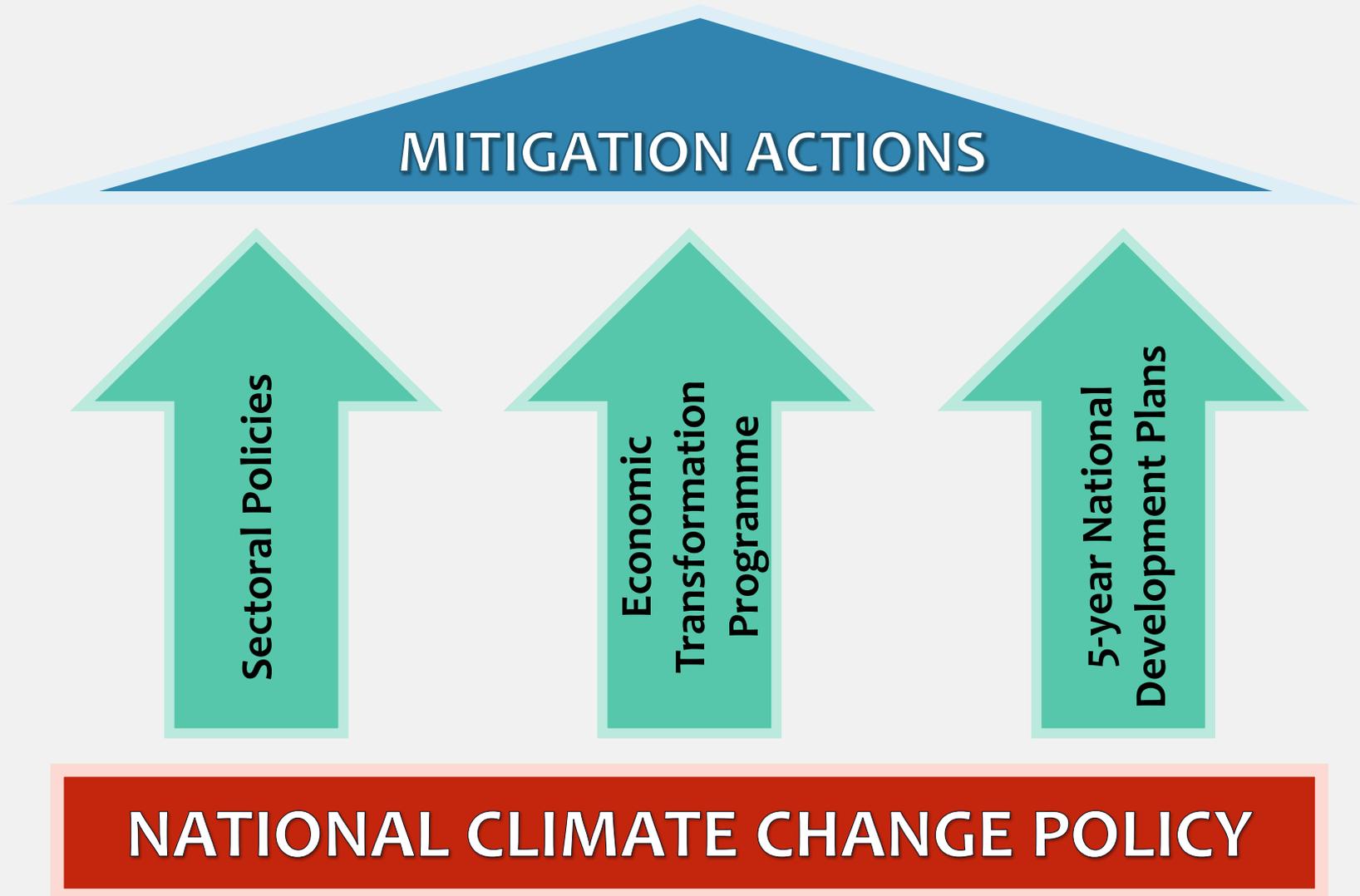
GHG INVENTORY

TOP 8 KEY CATEGORIES – WITHOUT LULUCF (2011)

SECTOR	KEY SOURCE	GAS	CURRENT YEAR ESTIMATE (Gg CO ₂ eq)	LEVEL ASSESSMENT (%)
Energy	Energy industries: Public electricity	CO ₂	87,885	30.5%
Energy	Transport: road transportation	CO ₂	41,601	14.4%
Waste	Solid waste disposal sites	CH ₄	31,127	10.8%
Energy	Fugitive emissions from oil and gas operations	CH ₄	29,536	10.2%
Energy	Manufacturing industries and construction	CO ₂	23,003	7.9%
Energy	Energy industries: Natural gas transformation	CO ₂	22,920	7.9%
Agriculture	Agricultural soils	N ₂ O	10,943	3.8%
Industrial Processes	Mineral products: Cement production	CO ₂	7,766	2.7%



MITIGATION RELATED POLICIES AND PLANS



MITIGATION ACTIONS AND THEIR EFFECTS

DOMESTIC ACTIONS

SECTOR	ENERGY	LULUCF	WASTE	TOTAL
EMISSION REDUCTION ACHIEVED IN 2013 (Gg CO ₂ eq)	2,487	13,797	2,294	18,578
POTENTIAL EMISSION REDUCTION IN 2020 (Gg CO ₂ eq)	13,217	13,800	5,161	32,178

CLEAN DEVELOPMENT PROGRAM

Total CERs issued 9,844,435

INTERNATIONAL MECHANISM (tonnes CO₂ eq)

VERIFIED CARBON STANDARD

Total VCUs issued 545,319

Total VCUs retired 120,272

MITIGATION ACTIONS AND THEIR EFFECTS

	MITIGATION PROGRESS INDICATORS	Without LULUCF	With LULUCF Emissions only
Percentage Increase between 2005 and 2011	CO ₂ eq Emissions	9.4 %	0.5 %
	CO ₂ eq Emissions per Capita	-1.9 %	-9.8 %
	CO ₂ eq Emissions per GDP	-16.4 %	-23.2 %

DOMESTIC MRV ARRANGEMENTS

- MRV through TWG and external experts
- Members of MRV TWG consists of multi-agency experts
- GHG Inventory MRV follows more robust procedure
- Mitigation actions MRV requires further enhancement

CHALLENGES AND BARRIERS

INSTITUTIONAL FRAMEWORK

- Operationalising robust MRV System

GHG INVENTORY

- Availability of activity data according to IPCC Guidelines requirements
- Country specific emission factors

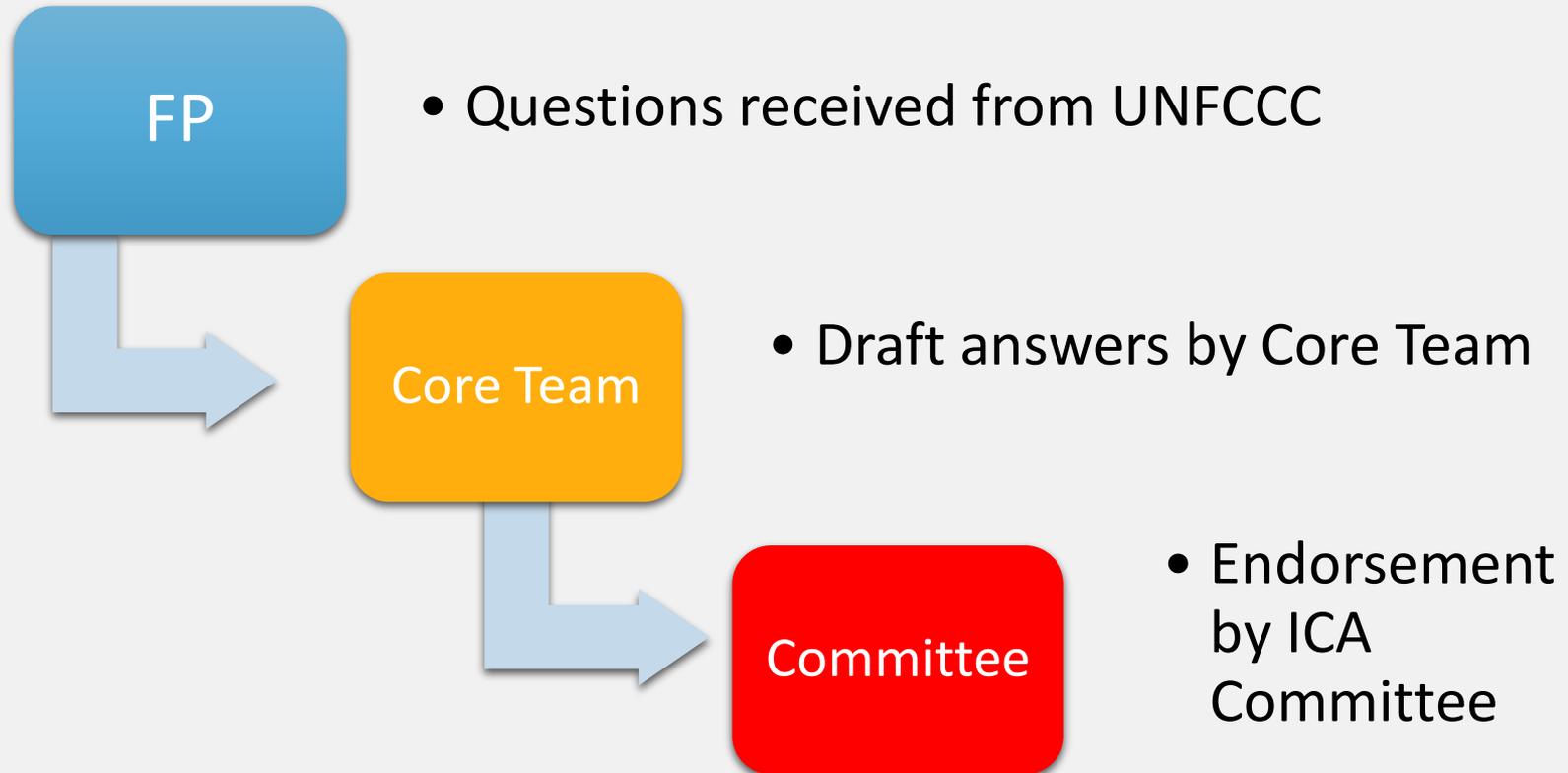
MITIGATION ACTIONS

- Most mitigation actions arise as co-benefits
- Information not always available for quantification

HUMAN RESOURCE

- Insufficient technical capacity for implementation and quantification

ICA Process



Key findings

- Effective institutional arrangement
 - Built ownership
 - Robust MRV system
 - Adjustments in institutional arrangements necessary

Key findings

- Good understanding of UNFCCC decision and IPCC Guidelines
 - Increases transparency of reporting

LESSONS LEARNT: PREPARATION PROCESS

INSTITUTIONAL ARRANGEMENT

- Greater ownership of BUR built across key information providers
- TWGs comprise of key stakeholders to ensure ownership

MRV SYSTEM

- Operationalised a system for continuous data collection and timely reporting
- Tracking progress of mitigation actions
- Improving methodologies for quantifying mitigation effects

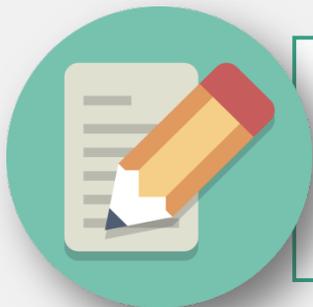
CAPACITY BUILDING

- Increased the capacity of national GHG inventory compilers
- International collaboration has enhanced targeted areas

ENHANCED AWARENESS ON CLIMATE ACTIONS AMONGST KEY STAKEHOLDERS WHEN PREPARING FOR ICA

- Increased willingness to share data
- Increased awareness of transparency

AREAS OF IMPROVEMENT SINCE TECHNICAL ANALYSIS



OVERALL

- Improved understanding of the UNFCCC decisions on BUR in particular reporting requirements



GHG INVENTORY

- Stakeholders further improving their data collection and reporting
- Moving towards 2006 IPCC Guidelines
- Increased transparency, completeness, accuracy of Inventory



MITIGATION

- More mitigation programmes plan
- Greater commitment by implementing agencies on quantification.

Facilitative Sharing of Views

- Questions from Parties submitted through the UNFCCC Portal
- 11 questions received covering:
 - Institutional arrangement and capacity building needs
 - GHG inventory
 - MRV
 - Mitigation
- Pre session meeting with SBI Co chair and Secretariat
- 20 minutes presentation and 20 minutes Q&A
- 10 more questions asked during the FSV

THANK YOU