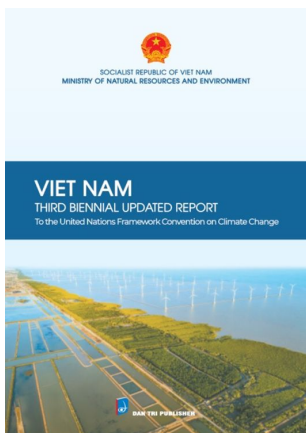


FACILITATIVE SHARING OF VIEWS – VIET NAM

Sharm El Sheikh, Egypt

12 November 2022

Main contents



- ❖ National context
- ❖ GHG inventory
- ❖ Mitigation actions and effects
- ❖ MRV
- ❖ Barriers and support needed and received



- ❖ ETF transition and implementation

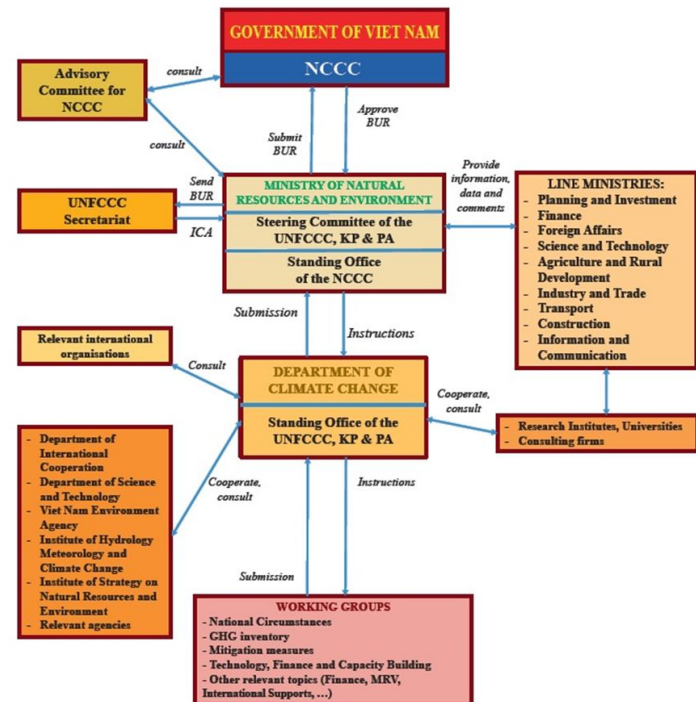


- ❖ Written questions

National context

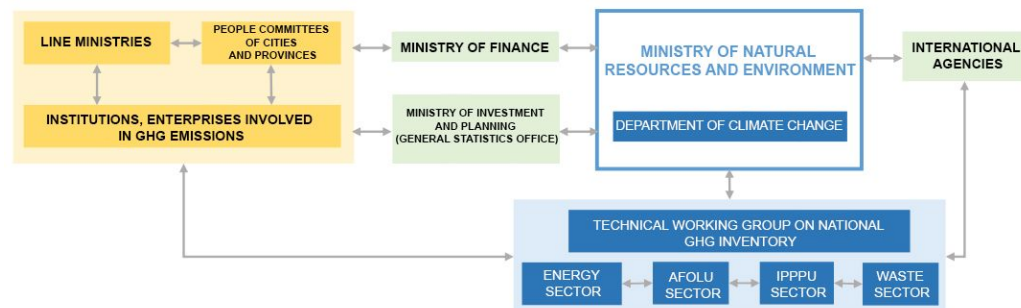


- National conditions
- Social, economic development
- Environmental protection
- Updated climate change related policies
- Institutional arrangements for development of periodical national reports to UNFCCC

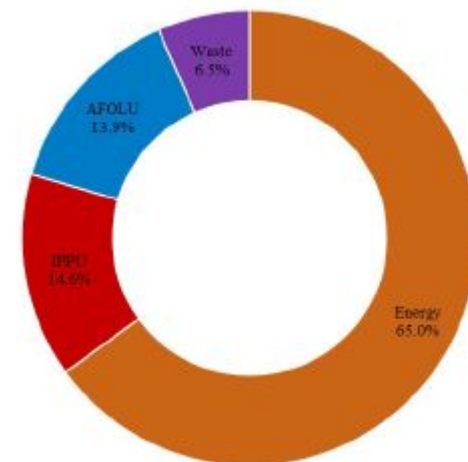


GHG inventory

- ◆ **Methodology:** IPCC2006; IPCC 2019 refinement
- ◆ **Inventory year:** 2016; recalculations for 2010, 2014
- ◆ **GWP:** AR5, IPCC



IPCC Code	Sector	CO ₂	CH ₄	N ₂ O	HFCs	Total
		ktCO ₂ eq				
Total net emissions		191,651.08	106,838.29	18,222.26	23.32	316,734.96
1	Energy	182,291.22	22,345.35	1,195.63		205,832.20
2	IPPU	46,047.20		24.12	23.32	46,094.64
3	AFOLU	-37,489.34	66,544.64	15,014.44		44,069.74
4	Waste	802.00	17,948.30	1,988.07		20,738.38



IPCC Code	Sector	CO ₂	CH ₄	N ₂ O	Total
Total key categories		28	11	3	42
1	Energy	16	3	0	19
2	IPPU	4	0	0	4
3	AFOLU	8	5	2	15
4	Waste	0	3	1	4

Unit: ktCO₂e

1996 IPCC code	Sector	1994	2000	2010	2013	2014
Total net emissions		103,839.30	150,899.73	246,830.65	259,024.10	283,965.53
1	Energy	25,637.09	52,773.46	141,170.79	151,402.52	171,621.08
2	IP	3,807.19	10,005.72	21,172.01	31,767.38	38,619.79*
4	Agriculture	52,450.00	65,090.65	88,354.77	89,407.82	89,751.80
5	LULUCF	19,380.00	15,104.72	-19,218.59	-34,239.83	-37,540.18
6	Waste	2,565.02	7,925.18	15,351.67	20,686.21	21,513.04

GHG inventory improvements

- Apply the the 2006 IPCC Guidelines and the 2019 refinement to the 2006 IPCC Guidelines

Energy

- Emission estimate for the producing charcoal
- Detailed AD for manufacturing industries and construction
- Updated ethanol and natural gas used in transport

IPPU

- Detailed AD for ammonia and nitric acid production, import and export clinker

AFOLU

- Collected data on average livestock weights
- Using remote sensing data for calculating emissions/removals from soil and land use conversion
- Updated parameters on living biomass and biomass growth, biomass loss factor due to logging of forest types

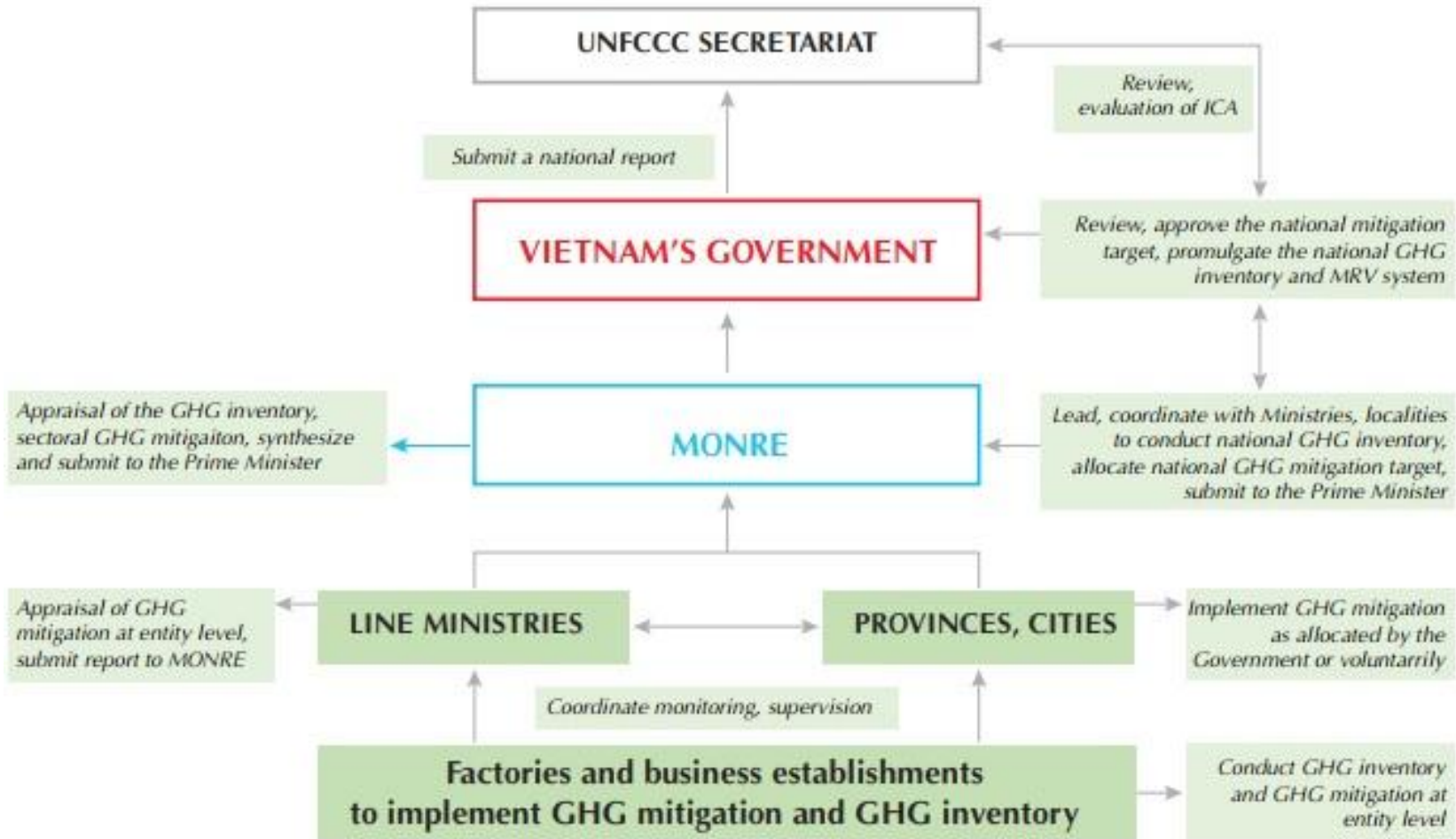
Waste

- The amount of landfill solid waste was separated into managed sanitary landfill, open landfill and open burning
- Some more sub-sectors were calculated: Biological treatment of solid waste; open burning of waste, waste incineration, wastewater treatment and discharge by urban and rural areas

Mitigation actions and their effects

GHG emission reduction related policies	Updates on implementation outcomes of policies reported in BUR2	<p><i>National and inter-sectoral policies:</i></p> <ul style="list-style-type: none"> - National strategy on climate change - National green growth strategy - Target program on climate change response and green growth for the 2016-2020 period - National action plan to implement the 2030 agenda for sustainable development <p><i>Setoral policies</i></p>
	Newly issued policies	<p><i>National and inter-sectoral policies:</i></p> <ul style="list-style-type: none"> - Law on Forestry - Orientations of Viet Nam's National energy development strategy by 2030 with a vision to 2045 - Law on Environmental Protection (2020) <p><i>Setoral policies</i></p>
Mitigation actions	Mitigation component of updated NDC (2020)	<p>By 2030, GHGs reduction compared to BAU:</p> <ul style="list-style-type: none"> - 9% unconditional - 27% conditional
	Update of outcomes of mitigation actions reported in BUR2	<p>NAMAs Projects/Programs</p>
	Newly implemented activities for reducing GHG emission	<p>NAMA on residential buildings submitted to the NAMA Facility on Sep. 2020 GHG mitigation actions by sector Local GHG emission reduction activities</p>
Market mechanism	CDM	271 registered CDM Projects; 13 registered PoA; 25,485,098 CERs received
	JCM	14 successfully registered JCM projects, 17,618tCO ₂ e mitigation by 2020 8 projects have been issued with a total of 4,415 JCM credits
	VCS	22 projects developed and registered; Verified Carbon Units: 629,934 tCO ₂ e
	GS	24 projects have been implemented; 1,321,174 tCO ₂ e GS certificates

MRV



Proposed organisational chart of the national MRV system

Barriers and support needed and received

National GHG Inventory

- Operational data and information lacked or incomplete; some data not reliable enough to be used
- Lacking country-specific emission factors

Mitigation action and their effects

- Some general policies lack information on the implementation by ministries and sectors
- Some policies lack statistical data on GHG emission reductions due to lack of MRV system in place.
- The reported actions concentrate in only internationally funded actions, no reports have been available on GHG emission reductions from domestic actions
- Most of actions only have qualitative co-benefit targets and outcomes while lacking quantitative assessments, or transparent and detailed co-benefit reports
- No specific methods and studies available for assessing and selecting a set of co-benefit assessment indicators of mitigation action
- No specific guidelines on monitoring and reporting the co-benefit impacts of mitigation actions

Other information to achieve UNFCCC targets

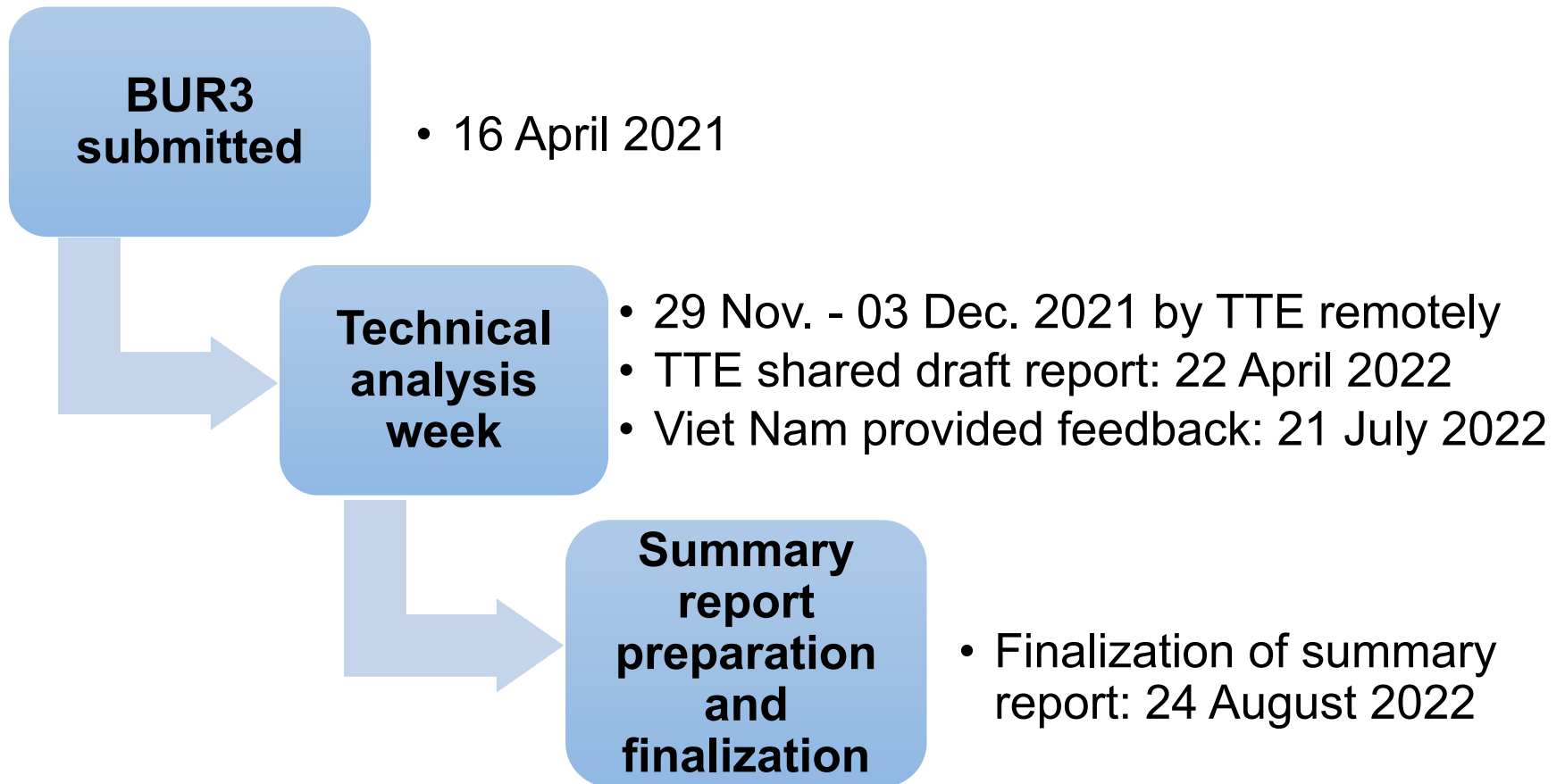
- The assessment of co-benefits related to the SDGs, gender equality, etc. has only been implemented under independent and/or qualitative studies.

Other issues

- Impacts of the COVID-19 pandemic
- No integrated database available on projects supporting climate change responses in general and climate change adaptation or mitigation in particular.

Financial need for NDC (2020) mitigation targets ~ 44 billion USD

Process overview



ETF transition and implementation

Complete

- National Strategy on green growth (Oct. 2021)
- Decree by Government on GHG mitigation and ozone layer protection (Jan. 2022)
- Decision by Prime Minister on promulgating the list of sectors and entities emitting GHGs subject to GHGs inventory (Jan. 2022)
- National Action Plan on green growth for the 2021-2030 period (Jul. 2022)
- National Climate Change Strategy to 2050 (Jul. 2022)
- Scheme setting out tasks and solutions for implementation of outcomes of COP26 (Jul. 2022)
- Action Plan for methane emissions reduction by 2030 (Aug. 2022)

On-going

- 2nd NDC revise and update
- Just Energy Transition Partnership
- National Action Plan to respond to climate change to 2030
- National Adaptation Report
- 4th National Communication
- 1st Adaptation Communication
- Proposal on developing the 1st Biennial Transparency Report (support by UNEP/GEF)

Written questions (as of 21 October 2022)

Number of questions

15

Parties

USA, Australia, UK, Japan, New Zealand, EU

Topics

GHG inventory (methodologies, data collection, country-specific EFs, QA, uncertainty assessment)

Support demand (toolkit and database for the inventory at the grassroots level)

Mitigation and their effects (invest by private sectors on National Green Growth Strategy; biochar production, biodiversity and carbon sequestration benefits, detailed information of reported mitigation projects/actions).

Thank you!

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