

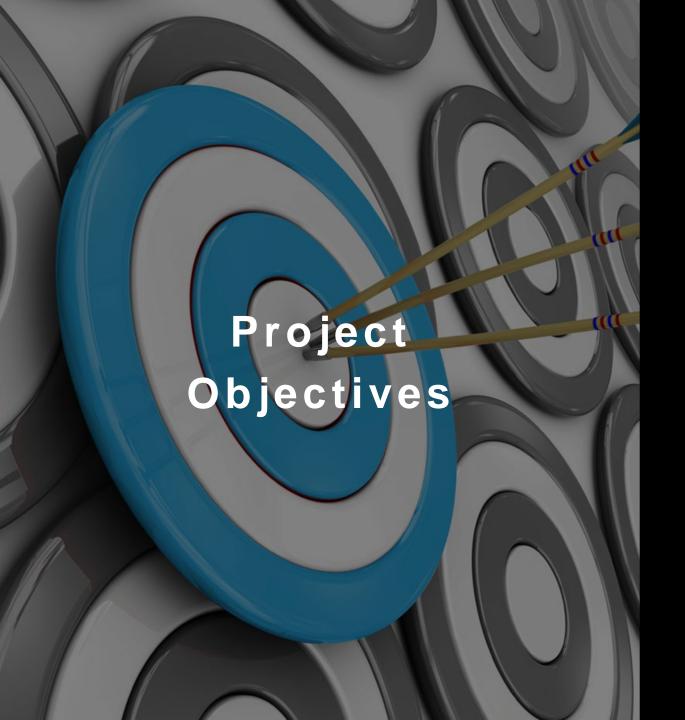




INITIATIVE FOR CLIMATE ACTION TRANSPARENCY PHASE II

Expansion of the National GHG Inventory Management System and Data institutionalization for NDC tracking and policymaking



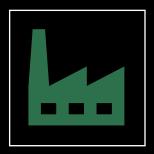


Further strengthen the climate MRV framework in Fiji by extending the methodology and good practices developed in Phase I to increase coverage of sectors and gases and provide a strong linkage of the GHG inventory data with the prioritized aspects of Fiji's climate policy and national obligations under the UNFCCC, the Paris Agreement, and the Kigali Amendment to the Montreal Protocol

Focus Sectors



Agriculture



Industrial Process and Other Product Use (IPPU)



Waste

Agriculture



- First phase project looked at the Monitoring, Reporting and Verification System for Greenhouse Gases (GHG)
 - a) the data flow for key categories
 - b) QA/QC system
 - c) institutional arrangement
- the next step in the MRV system development for the sector should focus
 on the core issue with the national data the data collection by the
 Extension officers through the agriculture survey. Consequently, it was
 recommended that in phase II:
 - a) a survey for livestock data collection for the Extension Officers based on the IPCC data requirements for estimating emissions in the GHG inventories is designed and piloted and
 - b) targeted capacity-building training on the data collection templates is provided to the data collection officers (Extension Officers) in Fiji.

SPECIFIC OBJECTIVES

- Capacitate Extensions Officers to apply the activity data collection procedures in the agriculture sector and to address the gaps in activity data collection identified in Phase I of the ICAT project by:
 - ➤ Designing, developing, and piloting a survey for livestock data collection for the Extension Officers based on the IPCC data requirements for estimating emissions in the GHG inventories, and
 - ➤ Performing targeted capacity-building seminars for the data collection officers (Extension Officers) on data collection templates (preparatory session, two webinar sessions and in-person workshop).



OUTCOMES

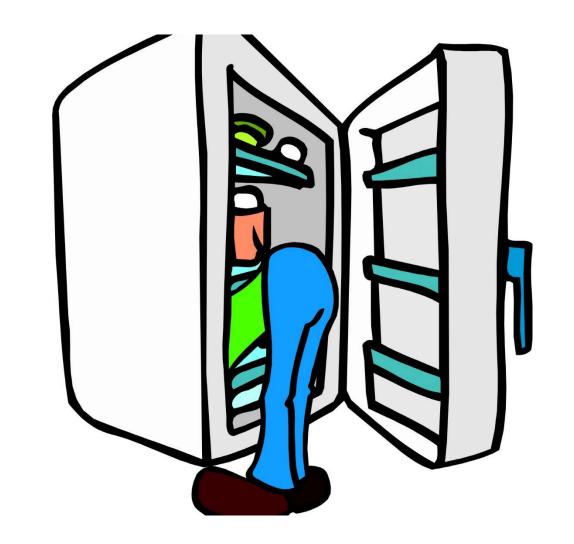
Fiji has the enhanced capacity to manage and/or implement an effective national MRV/transparency system in the agriculture sector to measure the performance of the targeted policies and actions and to effectively prepare for related reporting addressing the targeted policies and actions under the Enhanced Transparency Framework of the Paris Agreement;

Fiji successfully applies good practice and tools that integrate transparency on climate policies and action with evidence-based policymaking in the agriculture sector, assessing the impacts (in term of GHG emissions, and socio-economic and sustainable development) of policies and measures; and

The capacity building activities in the agriculture sector enable the government Extension Officers to provide robust and reliable activity data for calculating livestock emissions from the agriculture sector.

IPPU

- refrigeration and air conditioning equipment are widely used in Fiji
- Key emitter of Fluorinated gases (Hydrofluorocarbons (HFCs))
- Challenges faced while reporting of fluorinated gases in GHG inventory
 - ➤ Need to identify the national sources for HFC emissions data and map the relevant national data flows, and
 - ➤ Provide IPCC-based technical training for the national Fiji experts in estimating HFC emissions for the GHG inventory for the highest emitting category (refrigeration and air conditioning).



SPECIFIC OBJECTIVES

- Design an overarching institutional arrangements and recommendation for national reporting system and design for Fijian national GHG inventory for the use of refrigerants in refrigeration and airconditioning (i.e. HFC emissions):
 - ➤ Identifying the national sources for HFC emissions data and mapping the national data flow, and
 - ➤ Training national Fiji experts in estimating HFC emissions for the GHG inventory for the highest emitting category (refrigeration and air conditioning).



OUTCOMES

• Fiji addresses the national GHG emissions from the use of refrigerants in refrigeration and air-conditioning by identifying national sources for HFC emission data, mapping the national data flows, and applying tier 1 IPCC methodology to calculating GHG emissions from the available data sources.

 Fiji has verified calculation of the baseline for HFCs under the Kigali Amendment using the available national data.

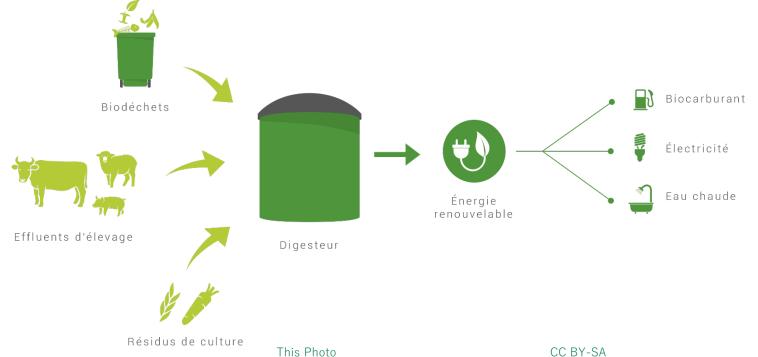


 Solid waste disposal is biggest source category of the waste sector according to the latest GHG national inventory

Intensions to increase its
mitigation efforts in the waste
sector using the latest
technology available to capture
biogas in landfill facilities and
industrial facilities and use it for
energy purposes under the
Renewable Energy Programme

SPECIFIC OBJECTIVES

- Enhance mitigation efforts of Fiji in relation to municipal and industrial waste treatment and utilization through:
 - > mapping the activity data flows in the solid waste disposal on land category; and
- > estimating the GHG impact of the currently running and identified new biogas projects in consistency with the waste sector data in the national GHG inventory



OUTCOMES



Fiji's capacity to address the activity data sourcing for solid waste disposal will improve through targeted training and mapping the relevant data flows.



Fiji's policymakers will be made aware of the GHG mitigation potential for solid waste disposal due to current and planned implementation of the biogas projects in the country.

Key stakeholders

Waste Academia Town Councils USP FNU Uni Fiji Private sector Department of **Environment** CCD **FBOS** -Ministry of Agriculture Crop Research Unit Fiji Revenue and Animal Health and Production **Custom Services** Agriculture Extension services -Pacific Islands Farmers Organization Network -Fiji Crop and Livestock Council

IPPU (Fluorinated gases)

Project Timeline

			Pro	ject Timeline																
				Responsible Party (identify who will lead and support the work)			2023				2024									
Activity	Output	Description	Lead	Support entity #1	Support entity #2	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep		
0		Inception phase																		
2	А	Inception meeting	CCD, OPM	GHGMI																
		National system and data institutionalization for the biggest ODS substitutes source category (Refrigeration and air conditioning)																		
	В	The National guidance for estimating HFC emissions from the consumption of substitutes of Ozone depleting substances and their blends in refrigeration and air conditioning category	CCD, OPM	Technical experts	GHGMI															
	С	Training and delivery support provided – workshop report	GHGMI	CCD, OPM	may identify additional trainers															
		Addressing activity data issues in the agriculture sector and institutionalization of the livestock data																		
	D	Data collection template in MS Excel	CCD, OPM	Technical experts	GHGMI															
	E	Livestock survey draft	CCD, OPM	Technical experts	GHGMI															
	F	Instruction manual for livestock survey	CCD, OPM	GHGMI													1			
	G	Training and delivery support provided to technical experts – workshop report	GHGMI	CCD, OPM																
		Enhancing mitigation efforts of Fiji in relation to municipal and industrial waste treatment and utilization																		
	Н	Training and delivery support provided – workshop report	GHGMI	CCD, OPM	GHGMI															
	I	A report on the GHG mitigation potential of the biogas projects for Fiji.	CCD, OPM	GHGMI																
4		Project wrap up																		
	J	Final project report	CCD, OPM	GHGMI																
	К	Outreach materials	CCD, OPM	GHGMI																

