

Guidance Documents and Tools



Caribbean Cooperative
MRV HUB
Measurement Reporting & Verification

Fourth Annual Meeting
11-12 May 2022
St George's, Grenada
Ryan Deosaran

Supported by:



Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety



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GLOBAL SUPPORT
PROGRAMME

based on a decision of the German Bundestag

The CCMRVH is part of the International Climate Initiative (IKI). The Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) supports this initiative on the basis of a decision adopted by the German Bundestag, with additional resources and technical support provided by the UNDP/UNEP Global Support Programme.

Data Collection and Archiving- Step by Step

- Templates provided to guide data collection, data archiving and QA/QC procedures
- Created to institutionalise memory for stakeholders involved in the reporting process
- Data collection templates highlight minimum AD needed and use of IPCC decision trees
- QA/QC document includes both Tier 1 and Tier 2(sectoral) checks

IPCC Code	IPCC Category	Relevant Reported Gases	Minimum Activity Data
3A1	Enteric Fermentation		Typical Animal Mass (kg/head), Nitrogen excretion rate, annual average number of head, type of manure management system
3A2	Manure Management		Typical Animal Mass (kg/head), Nitrogen excretion rate, annual average number of head, type of manure management system
3.C	Aggregated sources and non-CO2 emission sources		
3.C.1	Emissions from biomass burning		For the sub-categories below under category 3C, the following should be collected- available area (Ha), Area Burnt (Ha) and type of burning

QA/QC Case Study- Wyatt Island



Wyatt Island

- (1) Colonised by the British in 1538
- (2) Between the years of 1561- 1573 - war breaks out between the Kingdom of Venetia and the British. More than 14,000 soldiers and inhabitants (British) from both warring sides perished during the "Battle of Port Barbour"
- (3) Oil first discovered in 1912. First well drilled in 1933 by VMNLJ Oil Company Limited
- (4) Wyatt Island gained its Independence in 1945 and became a Republic in 1954
- (5) Jaxxon Oil and Gas purchases majority shares in VMNLJ Oil Company Limited (1992)- Assumes Organisational Control.
- (6) Hurricane Joes devastates island in 2005.
- (7) In 2013, the Cement Workers Trade Union participated in a strike/sit-out demanding better working conditions and a wage increase that better reflected compensation for jobs in the sector (regional). The strike lasted approximately 7 months before a compromise was reached between the union and management.

Key Features

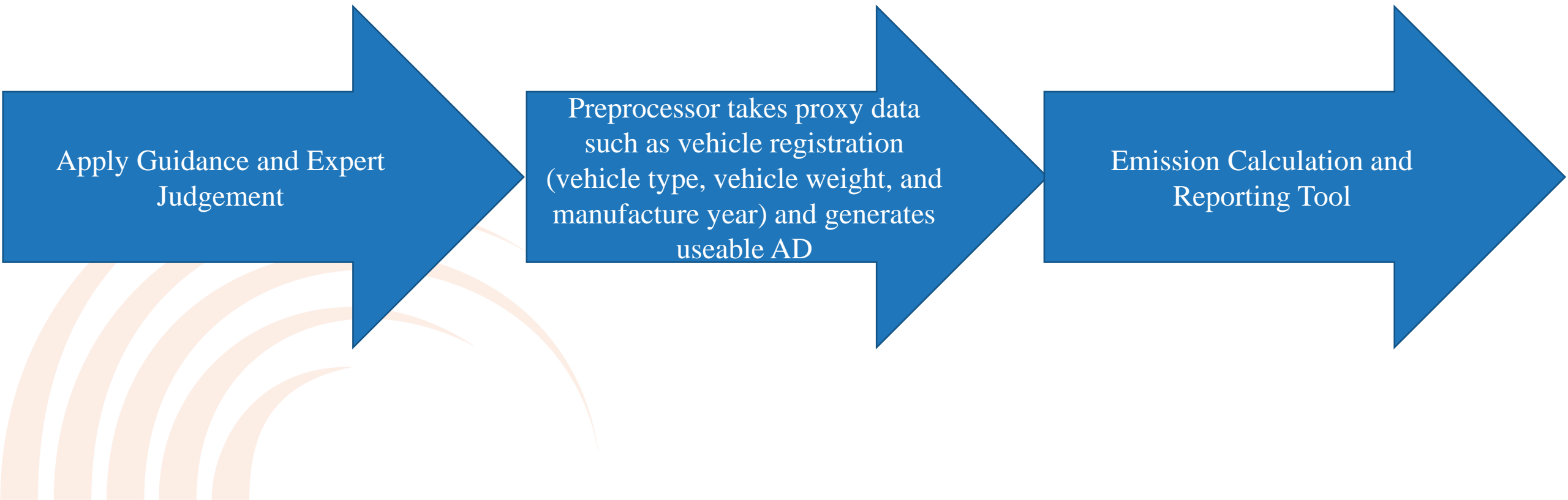
- Embedded data gaps (potential to interpolate/extrapolate)
 - QA/QC checks (both sectoral and cross-cutting)
 - Calculation examples and exercises

Modelling Selection Tool

				
ACCESSIBILITY				
Platform	Excel, open-source	Excel, open-source	Windows relational database; requires licence	Windows; requires licence (for GAMS)
User fee	Free	Free; optional use of IEA input data requires licence	Free to certain users in low & middle-income countries; fee charged for others	Fee charged for GAMS license and user tools (e.g. interface)
User guidance	Limited	Limited	Extensive	Limited
User community	Limited	None	Extensive	Mid
Language options	English	English	Multiple: English, French, Spanish, Chinese, Portuguese + others under development	English
Ease of navigation	High	Mid	High	Mid
Training requirements	Low	Low-Mid	Mid	High

- Excel Workbook which compares LEAP, GACMO & PROSPECTS+
- Applications include- Scope of the Mitigation Analysis, data requirements for the software and access to modelling software

On-Road Mobile Guidance and Tools



Road Transport Data Pre-treatment Tool

Raw Data
Data from "Data Entry" tab, do not edit

Vehicle Data	
Vehicle Type	Count
Minibus - Charity	24
Minibus Charity 2018	63
Hired Motor Cycle	0
Hired Motor Cycle 2018	0
Maxi Taxi Transport Board	1
Private Motor Car (ATV)	0
Segway Transporter	0
TAP ZR MN 2	0

Fuel Type Classification
Identify which Fuel Type best represents the vehicle type. To identify a category, place a "1" in the corresponding column.

(Individual) Fuel Estimate

Unique Vehicle Types	Gasoline	Diesel	Count	Gas Count	Diesel Count
Minibus - Charity	50%	50%	26	13	13
Minibus Charity 2018	30%	70%	69	21	48
Hired Motor Cycle	100%	0%	1	1	0
Hired Motor Cycle 2018	100%	0%	15	15	0
Maxi Taxi Transport Board 2018	30%	70%	1	0	1

IPCC Vehicle Classification

Unique Vehicle Types	Car	Light Duty Truck	Heavy Duty Truck	Motorcycle	Off-Road
Minibus - Charity		1			
Minibus Charity 2018		1			
Hired Motor Cycle				1	
Hired Motor Cycle 2018				1	
Maxi Taxi Transport Board 2018		1			
Private Motor Car (ATV)	1				
Segway Transporter					1

1. Sorts & Counts Raw Data

2. User can apply % of Fuel use distribution based on expert judgment

3. User applies IPCC Vehicle class following IPCC guidance

FOLU Work Crew Guidance

Sources of available data on land cover maps, satellite data and analysis tools


Step by step process to use satellite data to generate activity data for all land use categories

Detailed process to generate country specific emission factors

Templates to calculate GHG emissions from all land use categories

Next Steps

What other guidance and/or tools should the MRV Hub prioritise developing?

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Thank You

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