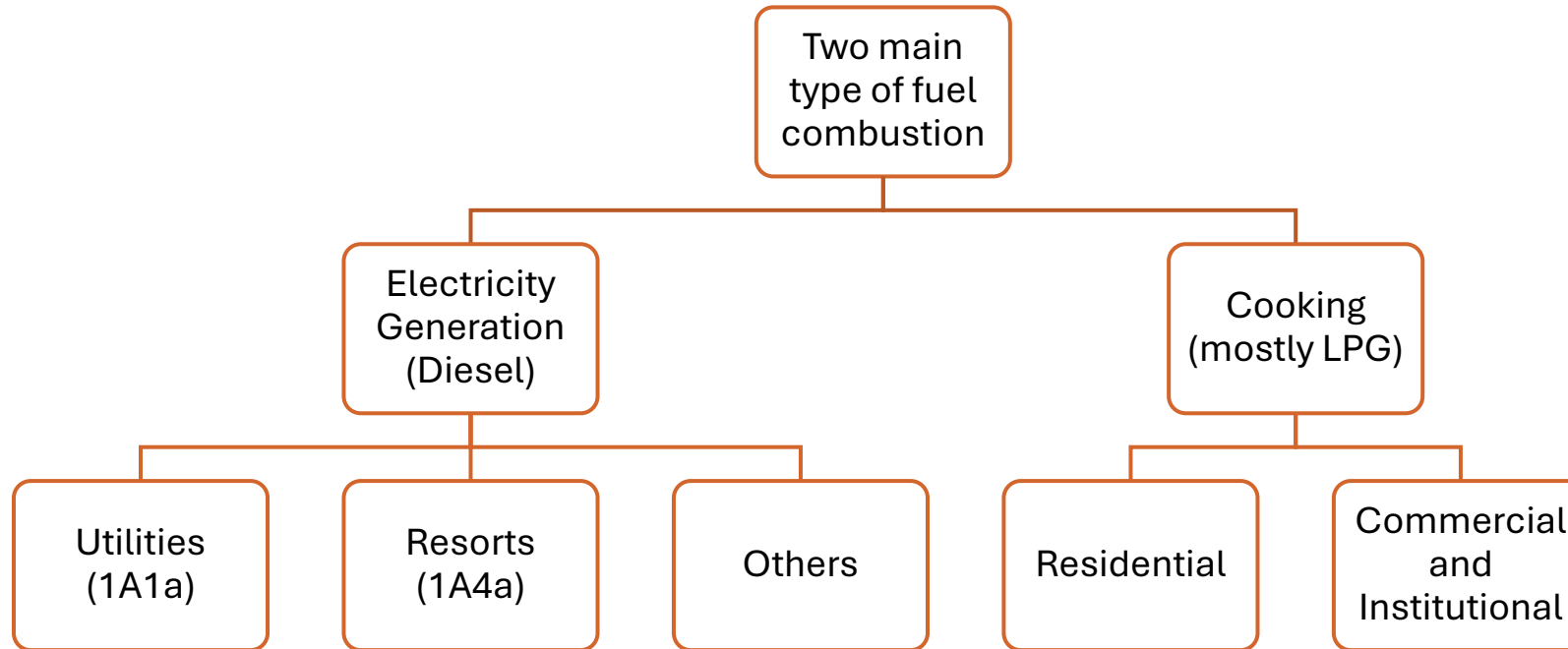


data for sectoral approach



	Default Emission factor (EF) kg/TJ		
Fuel	CO ₂	CH ₄	N ₂ O
Gas/Diesel Oil	74100	3	0.6
LPG	63100	1	0.1

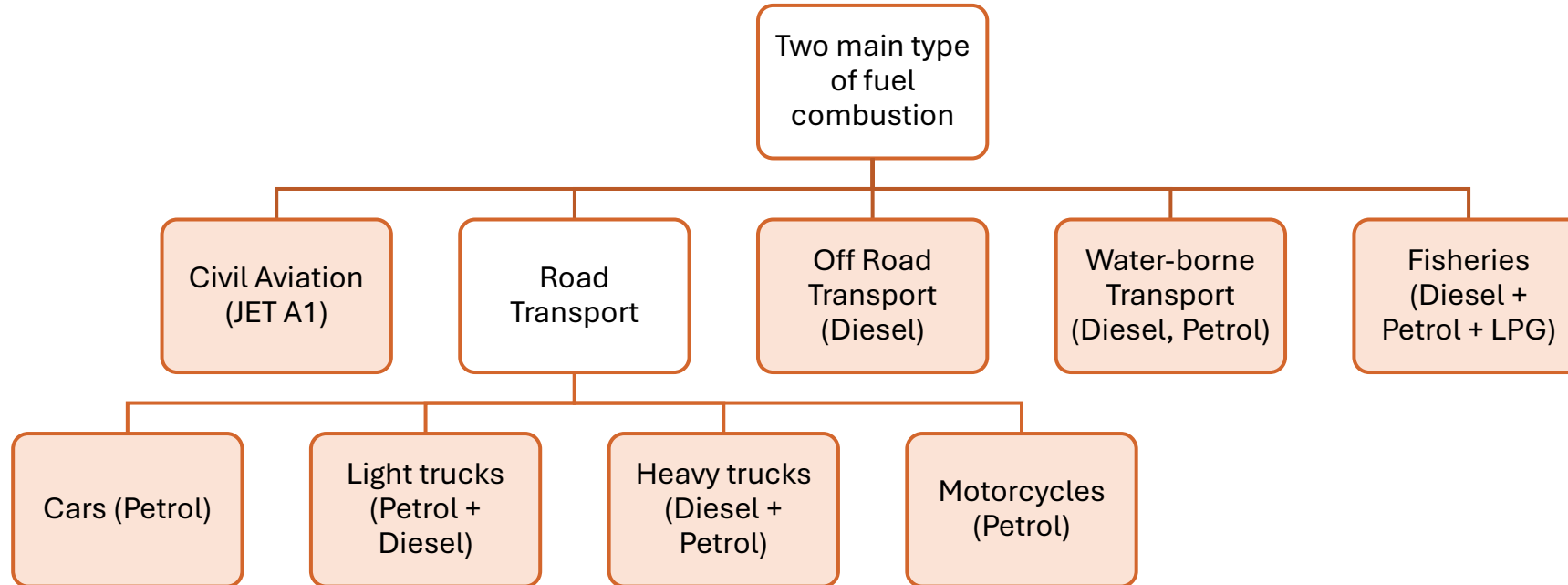
Categories of stationary emission for sectoral approach

Category Code	Category	Relevance to Maldives Context
1A	Fuel Combustion Activities	Refer to subcategories for relevance
1A 1	Energy Industries	Refer to subcategories for relevance
1A 1 a	Electricity and Heat Production	Refer to subcategories for relevance
1A 1 a i	Electricity Generation	This category should cover all electricity generation from public utilities. The activity data should cover data on electricity generated to be sold as well as own on-site use
1A 1 a ii	Combined Heat and Power Generation (CHP)	There is no operational Combined Heat and Power Generation in Maldives
1A 1 a iii	Heat Plants	There is no heat production plants that generates heat to sold to retailers or customers in Maldives
1A 1 b	Petroleum Refining	This activity does not occur in Maldives
1A 1 c	Manufacture of Solid Fuels and Other Energy Industries	This activity does not occur in Maldives

Category Code	Category	Relevance to Maldives Context
1A	Fuel Combustion Activities	Refer to subcategories for relevance
1A2	Manufacturing Industries and Construction	Some activities under this category does occur in Maldives. Details given below
1A2 a	Iron and Steel	This activity does not occur in Maldives
1A2 b	Non-Ferrous Metals	This activity does not occur in Maldives
1A2 c	Chemicals	This activity does not occur in Maldives
1A2 d	Pulp, Paper and Print	This activity does occur however printing press does not have stand-alone power generation and draws power from the utility producers
1A2 e	Food Processing, Beverages and Tobacco	This activity does occur and would cover all food processing fuel combustion with the exception of fish processing plants. This would entail bottling activities done by MAWC, MWSC, Island beverages etc that uses own fuel combustions to operate.
1A2 f	Non-Metallic Minerals	This activity does occur and should cover on site power generation for cement factories operated by Villa and STO
1A2 g	Transport Equipment	This activity does occur and should cover onsite power generation at boat building, boat yards and slipways operating across Maldives
1A2 h	Machinery	This activity does occur however does not have standalone power generation and draws power from the utility producers and therefore included in 1A1ai
1A2 i	Mining (excluding fuels) and Quarrying	Sand mining activity for dredging, harbour and reclamation projects
1A2 j	Wood and Wood Products	This activity does occur however does not have stand-alone power generation or onsite fuel combustion
1A2 k	Construction	This activity does occur however does not have stand-alone power generation and draws power from the utility producers
1A2 l	Textile and Leather	This activity does occur however does not have standalone power generation and draws power from the utility producers
1A2 m	Non-specified Industry	Any GHG emitting activity via fuel combustion from any manufacturing industrial activity not listed above. Note that emissions from fisheries industry is covered under 1A4c and therefore this sub-category for Maldives is assumed to be Not Occuring

Category Code	Category	Relevance to Maldives Context
1A4	Other Sectors	Refer to subcategories for relevance
1A4 a	Commercial / Institutional	This occurs in Maldives and covers onsite fuel combustion activities in all commercial and institutional buildings. This covers fuel combustion for cooking, heating at restaurants, hotels, resorts and any other commercial buildings. In Maldivian context it covers mostly LPG use for cooking in commercial context The fuel use for electricity generation in industries such as resorts should be included under this sub-catgarory
1A4 b	Residential	This occurs in Maldives and covers all onsite fuel combustion activities in residential dwellings. Mostly covers LPG use of for cooking
1A4 c	Agriculture/Forestry/Fishing/Fish farms	Refer to subcategories for relevance
1A4 c i	Stationary	This occurs in Maldives and covers onsite fuel combustion activities (including power generation) in fish processing plants and agricultural islands
1A4 c ii	off-road vehicles and other machineries	This occurs in Maldives and covers all mobile fuel combustion in agricultural islands including off road transport, land tilling. However the information is likely going to scattered to very small quantities and needs a survey to collect
1A5	Non-Specified	Refer to subcategories for relevance
1A5 a	Stationary	This occurs in Maldives and covers stationary fuel combustion onsite at military facilities/training facilities (eg. Girifushi etc) including cooking, power production.

data for sectoral approach



RELEVANT IPCC CATEGORIES for mobile fuel combustion

IPCC Category Code	CRT category code	Category	Relevance to Maldives Context
1A		Fuel Combustion Activities	
1A3	1A3	Transport	
1A3a		Civil aviation	
1A3ai	memo item	International Aviation (International Bunkers)	This covers all international aviation. Data should be collected from all international airports in Maldives regarding the refueling. For tier 2 the method would requires flight movements which would be available from the airports. Note only flights departing to or arriving from foreign airport should be considered in this calculation
1A3aii	1A3a	Domestic Aviation	This covers all domestic aviation including sea plane operations. Data should be collected from all airports in Maldives regarding the refueling. For tier 2 the method would requires flight movements which would be available from the airports. Note no flights departing to or arriving from foreign airport should be considered in this calculation

RELEVANT IPCC CATEGORIES for mobile fuel combustion

IPCC Category Code	CRT category code	Category	Relevance to Maldives Context
1A		Fuel Combustion Activities	
1A3b	1A3b	Road Transportation	
1A3bi	1A3bi	Cars	This covers all road transport through cars as defined by IPCC. This includes public and private cars fuel consumption
1A3bii	1A3bii	Light duty trucks	This covers all road transport through Light duty trucks as defined by IPCC. This includes public and private trucks and buses fuel consumption
1A3biii	1A3biii	Heavy duty trucks and buses	This covers all road transport through trucks and buses as defined by IPCC. This includes public and private trucks and buses fuel consumption
1A3biv	1A3biv	Motorcycles	This covers all road transport through Motorcycles as defined by IPCC. This includes public and private motorcycles fuel consumption
1A3bv		Evaporative emissions from vehicles	This covers evaporative emissions from vehicles including lubricants evaporation
1A3bvi		Urea-based catalysts	This is assumed to be not occurring in Maldives

Ipcc DEFINITIONS OF VEHICLES

<i>Cars</i>	Emissions from automobiles so designated in the vehicle registering country primarily for transport of persons and normally having a capacity of 12 persons or fewer.
<i>Light duty trucks</i>	Emissions from vehicles so designated in the vehicle registering country primarily for transportation of light-weight cargo or which are equipped with special features such as four-wheel drive for off-road operation. The gross vehicle weight normally ranges up to 3500-3900 kg or less.
<i>Heavy duty trucks and buses</i>	Emissions from any vehicles so designated in the vehicle registering country. Normally the gross vehicle weight ranges from 3500-3900 kg or more for heavy duty trucks and the buses are rated to carry more than 12 persons.
<i>Motorcycles</i>	Emissions from any motor vehicle designed to travel with not more than three wheels in contact with the ground and weighing less than 680 kg.

RELEVANT IPCC CATEGORIES for mobile fuel combustion

IPCC Category Code	CRT category code	Category	Relevance to Maldives Context
1A		Fuel Combustion Activities	
1A3d		Water-borne Navigation	
1A3di		International Water-borne Navigation (International Bunkering)	This covers all emissions related to international maritime vehicles that is either coming from or going to a foreign port. The reexport value for diesel is considered as data
1A3dii	1A3d	Domestic Water-borne Navigation	This covers all domestic transport excluding fishing. This means all passenger and cargo transport irrespective of economic sector.
1A3e	1A3e	Other Transportation	
1A3ei	1A3ei	Pipeline Transport	This does not occur in Maldives
1A3eii		Off-road	This occurs in Maldives and covers all transport activity undertaken within all ports, harbours and off-road activities taking place at reclamation sites covering land and sea vehicles.

RELEVANT IPCC CATEGORIES for mobile fuel combustion

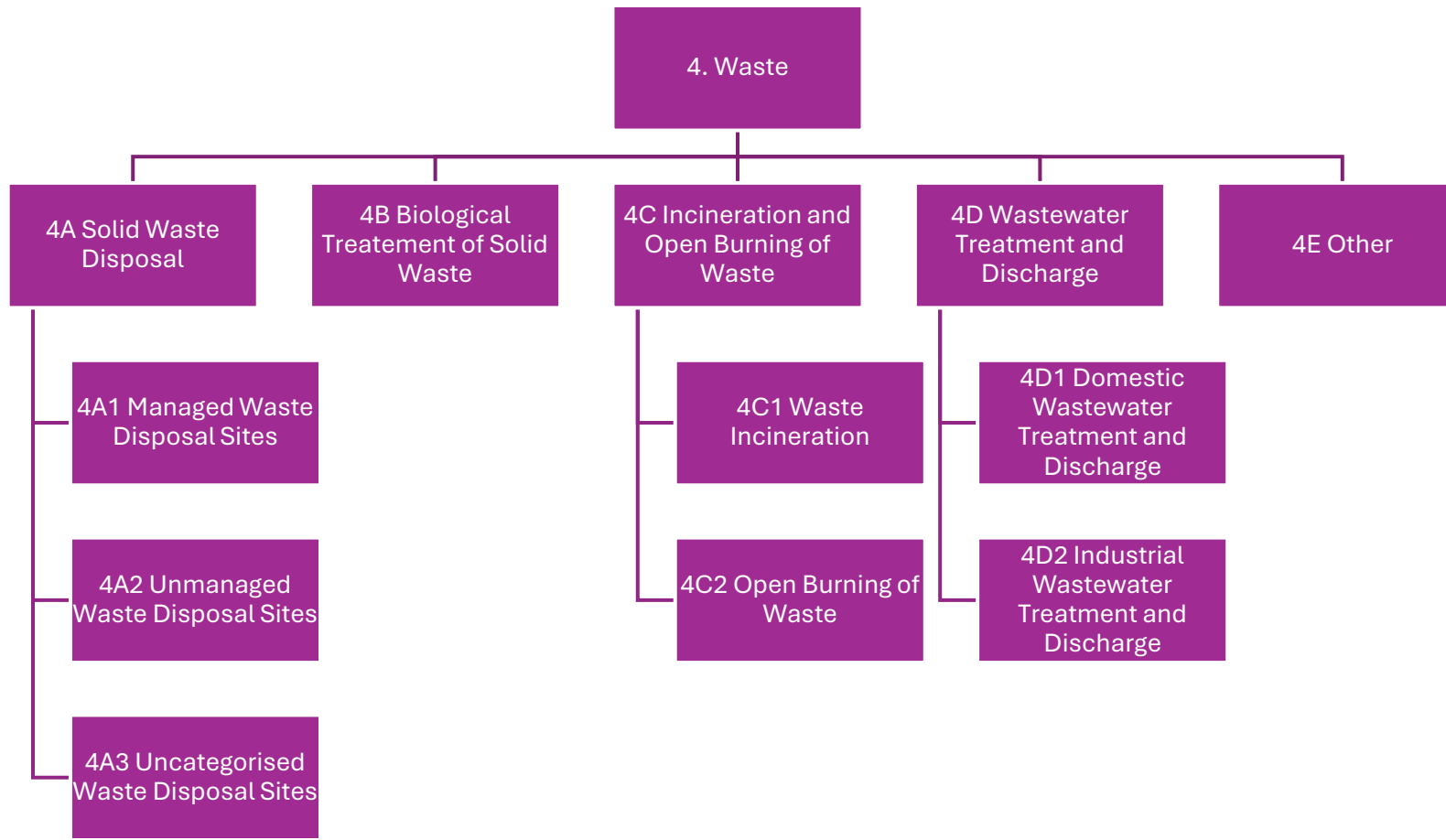
IPCC Category Code	CRT category code	Category	Relevance to Maldives Context
1A		Fuel Combustion Activities	
1A4	1A4	Other Sectors	
	1A4a	Commercial/institutional	
	1A4aii	Off-road vehicles and other machinery	IPCC category 1A3eii commercial/institutional component is reported here.
	1A4b	Residential	
	1A4bii	Off-road vehicles and other machinery	IPCC category 1A3eii residential component is reported here. In the Maldives there are no residential off road transport to be considered
1A4c	1A4c	Agriculture/Forestry/Fishing/Fish farms	
1A4cii	1A4cii	off-road vehicles and other machineries	This occurs in Maldives and covers all mobile fuel combustion in agricultural islands including off road transport, land tilling. However, the information is likely going to scattered to very small quantities and needs a survey to collect
1A4ciii	1A4ciii	Fishing (mobile combustion)	This occurs in Maldives and is key category. It covers all emissions from fishing vessels including for transport, cooking and other auxiliary purposes on the vessel.

RELEVANT IPCC CATEGORIES for mobile fuel combustion

IPCC Category Code	CRT category code	Category	Relevance to Maldives Context
1A		Fuel Combustion Activities	
1A5	1A5	Non-Specified	
1A5b	1A5b	Mobile	In the CRT all of the sub categories under this is reported together
1A5bi		Mobile (aviation component)	This occurs in Maldives and covers aviation fuel combustion by MNDF military flights/drones and search and rescue operations
1A5bii		Mobile (water-borne component)	This occurs in Maldives and covers water-borne fuel combustion by coastguard and Marine Police services and any other marine based fuel combustion carried out by military including search and rescue operations
1A5biii		Mobile (other)	
		Multi-lateral Operations	This could include refueling of vessels and air crafts for military operations by non-Maldivian military. This should not be included in the national total but reported as a memo-item.

introduction

The waste sector accounts for emission resulting waste management practices for all types of waste including solid waste and wastewater.



Solid waste disposal sites

Activity Data Required:

percentage of waste deposited at SWDS segregated by type of SWDS (WAMCO)

Methane recovery information (if any)

