IPCC GHG Inventory Software - Energy sector

Key category analysis, uncertainty analysis, and reporting tables

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Organized by the Capacity Building Initiative for Transparency Global Support Programme (CBIT-GSP)



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- Key category analysis
- Uncertainty Analysis
- Reporting tables



Activity data for stationary combustion activities from OEB Sheet in Philippine – 2000 (Values are converted to TJ)

Source : Page 154/155 , GHG Manual Rev3: <u>https://climate.emb.gov.ph/wp-content/uploads/2016/06/GHG-Manual.pdf</u>

Emission sorces categories	Coal	NatGas	Kero	Diesel	Fuel Oil	LPG	Biomass	Rice hull	Charcoal	Fuel wood	Agri Waste
Electricity Generation (TJ)	60000.5	61.1		3471.4	29602.1						
Iron and Steel	339.1		148.2	3487.8	6699.2	536.4					
Chemical	289.7		1027.5	1533.7	7081.9	356.7					
Paper Prod/Printing			59.5	97.1	8016.8	12.1					
Food Processing, Beverages and	d Tobacco		60.7	4438.6	17137.0	490.3					
Non-Metalic Minerals	28709.0		328.7	896.0	10411.8	701.7					
Machinery			30.2	38.9	119.3	23.4					
Mining				1956.6	1341.5	3.4					
Wood production/Furniture			0.8	381.0	229.9						
Construction			67.8	6263.8	347.5	0.8					
Textile and Apparel			32.6	166.7	6587.0	23.4					
Non-specified Industry			2.1	78.7	1150.6						
Commercial/Institutional				4536.2	8044.5	7992.6	8044.5	12124.7	904.4	5422.2	
Residential				22466.0	0.0	37288.2	216405.0	0.0	20997.8	170997.1	32784.2



Activity data for mobile combustion activities from OEB Sheet in Philippine – 2000 (Values are converted to TJ)

Source : Page 154/155 , GHG Manual Rev3: <u>https://climate.emb.gov.ph/wp-content/uploads/2016/06/GHG-Manual.pdf</u>

Emission source categories	Jet	Aviation gasoline	Diesel	Regular gasoline	Premium gasoline	Fuel oil	LPG	Kerosene
International civic aviation	21434.0904							
Domestic air transport	14141.1738	144.4515						
Road Transporatation			170994.5678	25099.8089	90022.5935		0.4187	
Railways			53.5936					
Water transport			16031.6043	3272.5592		38384.3225		
Agriculture								
Agri crop products			498.6717	8.7927				10.4675
Agri services			157.0125	0.4187		54.431		6.6992
Livestock/poultry			48.1505	0.8374		177.5288		
Fishery			10096.5318	62.3863		651.0785		52.7562





Activity data for Fugitive Emissions from Inventory Manual in Philippine – 2000

Source : Page 34 , GHG Manual Rev3: <u>https://climate.emb.gov.ph/wp-content/uploads/2016/06/GHG-Manual.pdf</u>

Emission sources categories	Coal – Underground	Coal- Surface	Crude oil
Mining _Underground	0.046 million tonnes		
Post-mining seam gas emissions _Underground	0.046 million tonnes		
Mining _Surface		1.175 million tonnes	
Post-mining seam gas emissions _Surface		1.175 million tonnes	
Venting _Oil production			2.34 PJ (61578 m3)
Flaring _Oil production			2.34 PJ (61578 m3)





Below, you'll find the username and password for the superuser of the database.

User Name	Password
Superuser_PHL	Philippines

Key category analysis



Key Categories: Approach 1, 2



Approach 1 – Level and Trend Assessment:	 Key categories - 95% cumulative effect
Approach 2 –	• Koventogories 00%
Level/Trend + Uncertainty Assessment:	 Rey categories - 90% cumulative effect
<i>Removals:</i> expressed as positive numbers	 (inclusion/exclusion)

Proceed key category analysis using IPCC software



These steps outline the process of utilizing the IPCC software for analyzing energy sector activity data according to the sectoral approach and employing the key category analysis tool for assessment





This video demonstrates how to conduct key category analysis using IPCC software.

(i) IPCC Inventory Software - PHL_EnergySector - [Worksheets]		– ð ×
Regularization Database Inventory Year Worksheets Tools Export/Import	Reports W	ndow Help _ 6 ×
2006 IPCC Categories - 4	Time Series	
[V] - Energy	Category	1 - Energy
	Gas	CARBON DIOXIDE (CO2) ~
		ARDON DIONDE (CO2) Emissions (Gg CO2 Equivalents)
	-	
	3	
	3	
	2	uuu
	2	
	1	
	1	
		0 1 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025
	* Base year	or assessment of uncertainty in trend: 1990
	User notes	
Worksheet notes 🗸 🐺		
Worksheet notes 2006 IPCC Guidelines	Save	Gas CARBUNI DIVAIDE (US2)
Country/Territory: Philippines Inventory Year: 2000 Base year for assessment of uncertai	nty in trend:	990 CO2 Equivalents: AR5 GWPs (100 year time horizon) Database file: (C:\Users\chama\Downloads\DB Management\IPCC_PHL_DB_Super Admin, tier_1_20240313.accdb)

Result - key category analysis



X (ii) IPCC Inventory Software - PHL_EnergySector - [Key Category Analysis] Replication Database Inventory Year Worksheets Tools Export/Import Reports Window Help _ 8 × Approach 1: Level Assessment Approach 1: Trend Assessment |Ex,t| (Gg CO2 Eq) 1.A.3.b Road Transportation - Liquid Fuels CARBON DIOXIDE (CO2) 20648.70638 20648.70638 0.38499 0.38499 Manufacturing Industries and Construction... 0.12468 0.50966 1.A.2 CARBON DIOXIDE (CO2) 6687 05797 6687.05797 0.11821 1.A.4 Other Sectors - Liquid Fuels CARBON DIOXIDE (CO2) 6340.22266 6340.22266 0.62788 1.A.1 Energy Industries - Solid Fuels CARBON DIOXIDE (CO2) 5766.05286 5766.05286 0.10751 0.73538 1.A.2 Manufacturing Industries and Construction... CARBON DIOXIDE (CO2) 2819.37094 2819.37094 0.05257 0.78795 1.A.1 Energy Industries - Liquid Fuels CARBON DIOXIDE (CO2) 2548.43562 2548.43562 0.04751 0.83546 4.D Wastewater Treatment and Discharge NITROUS OXIDE (N2O) 2273.00103 2273.00103 0.04238 0.87784 1.A.4 Other Sectors - Biomass - solid 2051.19351 0.03824 0.91608 METHANE (CH4) 2051 19351 1.B.2.a Oil 0.03708 CARBON DIOXIDE (CO2) 1988,9694 1988,9694 0.95317 1 4 3 a Civil Aviation - Liquid Fuels CARBON DIOXIDE (CO2) 1021 20553 1021 20553 0.01904 0.97221 4.D Wastewater Treatment and Discharge METHANE (CH4) 584.67411 584.67411 0.0109 0.98311 1.A.3.b NITROUS OXIDE (N2O) 274.34671 274.34671 0.00512 0.98822 Road Transportation - Liquid Euels 1.A.4 Other Sectors - Biomass - solid NITROUS OXIDE (N2O) 249.16797 249.16797 0.00465 0.99287 1.A.3.b Road Transportation - Liquid Fuels METHANE (CH4) 125.04643 125.04643 0.00233 0.9952 Incineration and Open Burning of Waste CARBON DIOXIDE (CO2) 73.55348 73.55348 0.00137 0.99657 4.C 0.00086 1.B.1.a Coal mining and handling METHANE (CH4) 46.34658 46.34658 0.99744 1.A.1 Energy Industries - Solid Fuels NITROUS OXIDE (N2O) 23.85022 0.00044 0.99788 23.85022 1.A.4 Other Sectors - Liquid Fuels METHANE (CH4) 18.38574 18.38574 0.00034 0.99822 NITROUS OXIDE (N2O) 17.8693 17.8693 0.00033 0.99856 1.A.2 Manufacturing Industries and Construction NITROUS OXIDE (N2O) 13.76236 13.76236 0.00026 0.99881 Manufacturing Industries and Construction -NITROUS OXIDE (N2O) 11.66181 11.66181 0.00022 0.99903 METHANE (CH4) 8.21461 8.21461 0.00015 0.99918 1.A.3.a Civil Aviation - Liquid Fuels NITROUS OXIDE (N2O) 7.57138 7.57138 0.00014 0.99933 1.A.2 Manufacturing Industries and Construction 0.00014 METHANE (CH4) 7.29325 7.29325 0.99946 1.A.1 NITROUS OXIDE (N2O) 5.25869 5.25869 0.0001 0.99956 Energy Industries - Liquid Fuels 4.5542 4.C 4.5542 0.00008 Incineration and Open Burning of Waste METHANE (CH4) 0.99964 4.B NITROUS OXIDE (N2O) 4.452 4.452 0.00008 0.99973 Biological Treatment of Solid Waste 1.A.3.c Railways - Liquid Fuels CARBON DIOXIDE (CO2) 3.97129 3.97129 0.00007 0.9998 1.A.1 Energy Industries - Gaseous Fuels CARBON DIOXIDE (CO2) 3.4294 3.4294 0.00006 0.99987 Energy Industries - Liquid Fuels METHANE (CH4) 2.77818 2.77818 0.00005 0.99992 1.68002 0.00003 Energy Industries - Solid Fuels METHANE (CH4) 1.68002 0.99995 1.4112 0.00003 0.99997 4.B Biological Treatment of Solid Waste METHANE (CH4) 1.4112 4.C Incineration and Open Burning of Waste NITROUS OXIDE (N2O) 0.72875 0.72875 0.00001 0.99999 1.A.3.c Railways - Liquid Fuels NITROUS OXIDE (N2O) 0.40619 0.40619 0.00001 1.A.3.a Civil Aviation - Liquid Fuels METHANE (CH4) 0.2 0.2 0 4.A Solid Waste Disposal METHANE (CH4) 0.00882 0.00882 0 1.A.3.c Railways - Liquid Fuels METHANE (CH4) 0.00623 0.00623 0 1.A.1 Energy Industries - Gaseous Fuels METHANE (CH4) 0.00171 0.00171 0 NITROUS OXIDE (N2O) 0.00162 0.00162 0 CARBON DIOXIDE (CO2) Energy Industries - Other Fossil Fuels CARBON DIOXIDE (CO2) Energy Industries - Peat 0 0 0 CARBON DIOXIDE (CO2) Energy Industries - Biomass - solid 0 0 Energy Industries - Biomass - liquid CARBON DIOXIDE (CO2) 0

Refresh Data

Export to Excel

Identified Key categories: Approach1 – Level assessment

You are able to export excel file.

Uncertainty Analysis



Data Entering - uncertainty analysis



- Begin by entering activity data into the IPCC software based on the sectoral approach.
- Within the software, input uncertainty values based on fuel type for each subcategory.
- For example, let's focus on the electricity generation subsector.



Data Entering - uncertainty analysis



This video illustrates the process of entering uncertainty data into the IPCC software

 IPCC Inventory Software - PHL_EnergySector - [Worksheets] Application Database Inventory Year Worksheets Tools Export/Import 	Reports Window Help
2006 IPCC Categories	Time Series
⊡-1 - Energy ⊕-1,A - Fuel Combustion Activities	Time Series Category 1.A - Fuel Combustion Activities
 B - Fugitive emissions from fuels C - Carbon dioxide Transport and Storace 	Gas CARBON DIOXIDE (CO2)
· · ·	CARBON DIOXIDE (CO2) Emissions (Gg CO2 Equivalents)
	50000
	45000
	40000
\searrow	35000
	30000
	25000
	20000
	10000
	5000
	*1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 24 * Base year for assessment of uncertainty in trend: 1990
	User notes v T 1A1.a.i - Time Series
Worksheet notes 👻 👎	
Worksheet notes 2006 IPCC Guidelines	Save Gas CARBON DIOXIDE (CO2)
Country/Territory: Philippines Inventory Year: 2000 Base year for assessment of uncertain	nty in trend: 1990 CO2 Equivalents: AR5 GWPs (100 year time horizon) Database file: (C:\Users\chama\Downloads\DB Management\IPCC_PHL_DB_Super Admin.tier_1_20240313.accdb)

Proceed Uncertainty analysis using IPCC software



Steps

Navigate to the "Tool" section in the IPCC software.

Select the "Uncertainty Analysis" option.

Once selected, the uncertainty assessment will be visible

Worksheets	Tools	Export/Import	Reports	Window	Help
Consumption D	R	eference Approach	Ī		
sheet	U	ncertainty Analysis			
IOF:	K	ey Category Analysis	5		
category: 1 et: F	I.A.1.a.i - E Fuel Consu	Electricity Generation Imption Data			

Result- uncertainty analysis



Application Database Inventory Year Worksheets Tools Export/	Import Reports Windo	w Help				
Icertainty Analysis - Approach 1 (Table 3.2)						
se year for assessment of uncertainty in trend 2000 V Yea	r T 2000 ~	Refresh Data				
	+ b B	- C -	• E +•	F 🕁	G +	н
2006 IPCC Categories	Gas	Base Year emissions or removals (Gg CO2 equivalent)	Activity Data Uncertainty (%)	Emission Factor Uncertainty (%)	Combined Uncertainty (%)	Contribution to Variance by Catego in Year T
1.A - Fuel Combustion Activities						
1.A.1.a.i - Electricity Generation - Liquid Fuels	CO2	2548.43	5.000	6.136	7.915	0.1
	CH4	0.09	5.000	228.788	228.843	0.0/
	N2O	0.02	5.000	228.788	228.843	0.00
1.A.1.a.i - Electricity Generation - Solid Fuels	CO2	5766.05	3 5.000	12.460	13.426	1.8
	CH4	0.06	5.000	200.000	200.062	0.0
	N2O	0.09	5.000	222.222	222.278	0.0
1.A.1.a.i - Electricity Generation - Gaseous Fuels	CO2	3.42	9 5.000	3.922	6.354	0.0
	CH4	0.00	5.000	200.000	200.062	0.0
	N2O	0.00	5.000	200.000	200.062	0.0
1.A.2.a - Iron and Steel - Liquid Fuels	CO2	787.61	5.000	6.136	7.915	0.0
	CH4	0.03	1 5.000	228.788	228.843	0.00
	N2O	0.00	5.000	228.788	228.843	0.0
1.A.2.a - Iron and Steel - Solid Fuels	CO2	32.59	2 5.000	12.460	13.426	0.0
	CH4	0.00	3 5.000	200.000	200.062	0.0
	N2O	0.00	5.000	222.222	222.278	0.0
1.A.2.c - Chemicals - Liquid Fuels	CO2	758.17	2 5.000	6.136	7.915	0.0
	CH4	0.02	5.000	228.788	228.843	0.0
	N2O	0.00	5.000	228.788	228.843	0.0
1.A.2.c - Chemicals - Solid Fuels	CO2	27.84	4 5.000	12.460	13.426	0.0
	CH4	0.00	3 5.000	200.000	200.062	0.0
	N2O	0.00	5.000	222.222	222.278	0.0
1.A.2.d - Pulp, Paper and Print - Liquid Fuels	CO2	632.74	5.000	6.136	7.915	0.0
	CH4	0.02	5 5.000	228.788	228.843	0.00
	N2O	0.00	5 5.000	228.788	228.843	0.0
1.A.2.e - Food Processing, Beverages and Tobacco - Liquid Fuels	CO2	1690.60	3 5.000	6.136	7.915	0.0
	CH4	0.06	5 5.000	228.788	228.843	0.0
	N2O	0.01	3 5.000	228.788	228.843	0.0
1.A.2.f - Non-Metallic Minerals - Liquid Fuels	CO2	940.17	5.000	6.136	7.915	0.0
	CH4	0.03	5.000	228.788	228.843	0.00
	N2O	0.00	5.000	228.788	228.843	0.00
1.A.2.f - Non-Metallic Minerals - Solid Fuels	CO2	2758.93	5 5.000	12.460	13.426	0.42
	CH4	0.28	7 5.000	200.000	200.062	0.00

Reporting tables



Reporting table overview







Upon selecting "Table A Summary table" in the report section, the software will display emissions categorized by level 3 categories. These emissions include net CO2, CH4, N2O, HFCs, PFCs, SF6, and others.

Steps



Country/Territory: Philippines Inventory Year: 2000 Base year for assessment of uncertainty in trend: 1990 CO2 Equivalents: AR5 GWPs (100 year time horizon) Database file: (C:\Users\chama\Downloads\DB Management\IPCC_PHI_DB_Super Admin_tier_1_20240313.accdb)

Summary Table - Result



🖳 Application Database Inventory Year Worksheets Tools Export/Import Reports Window Help

Table A Summary Table	Table A Summary Table												
	Emissions					Emis	sions			Emissi	ons		4
	. (c	(Gg)		CO2 Equivalents (valents	(Gg)	0.1	(Gg)		
								Other halogenated	Other halogenated				
Categories	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	NF3	gases with CO2	gases without	NOx	со	NMVOCs	SO2
								conversion	conversion				
								factors (3)	factors (4)				
Total National Emissions and Removals	47900.976	101.850	10.876	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1-Energy	47827.422	80.755	2.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.A - Fuel Combustion Activities	45838.453	79.100	2.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.A.1 - Energy Industries	8317.918	0.159	0.110							0.000	0.000	0.000	0.000
1.A.2 - Manufacturing Industries and Construction	9506.429	0.554	0.096							0.000	0.000	0.000	0.000
1.A.3 - Transport	21673.883	4.473	1.065							0.000	0.000	0.000	0.000
1.A.4 - Other Sectors	6340.223	73.914	1.008							0.000	0.000	0.000	0.000
1.A.5 - Non-Specified	0.000	0.000	0.000							0.000	0.000	0.000	0.000
1.B - Fugitive emissions from fuels	1988.969	1.655	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.B.1 - Solid Fuels	0.000	1.655	0.000							0.000	0.000	0.000	0.000
1.B.2 - Oil and Natural Gas	1988.969	0.000	0.000							0.000	0.000	0.000	0.000
1.B.3 - Other emissions from Energy Production	0.000	0.000	0.000							0.000	0.000	0.000	0.000
1.C - Carbon dioxide Transport and Storage	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.C.1 - Transport of CO2	0.000									0.000	0.000	0.000	0.000
1.C.2 - Injection and Storage	0.000									0.000	0.000	0.000	0.000
1.C.3 - Other	0.000									0.000	0.000	0.000	0.000
2 - Industrial Processes and Product Use	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.A - Mineral Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.A.1 - Cement production	0.000									0.000	0.000	0.000	0.000
2.A.2 - Lime production	0.000									0.000	0.000	0.000	0.000
2.A.3 - Glass Production	0.000									0.000	0.000	0.000	0.000
2.A.4 - Other Process Uses of Carbonates	0.000									0.000	0.000	0.000	0.000
2.A.5 - Other (please specify)	0.000	0.000	0.000							0.000	0.000	0.000	0.000
2.B - Chemical Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.B.1 - Ammonia Production	0.000									0.000	0.000	0.000	0.000
2.B.2 - Nitric Acid Production			0.000							0.000	0.000	0.000	0.000
2.B.3 - Adipic Acid Production			0.000							0.000	0.000	0.000	0.000
2.B.4 - Caprolactam, Glyoxal and Glyoxylic Acid Production			0.000							0.000	0.000	0.000	0.000
2.B.5 - Carbide Production	0.000	0.000								0.000	0.000	0.000	0.000
2.B.6 - Titanium Dioxide Production	0.000									0.000	0.000	0.000	0.000
2.B.7 - Soda Ash Production	0.000									0.000	0.000	0.000	0.000
2.B.8 - Petrochemical and Carbon Black Production	0.000	0.000								0.000	0.000	0.000	0.000
2.B.9 - Fluorochemical Production				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.B.10 - Other (Please specify)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.C - Metal Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



Upon selecting "Table A Summary table" in the report section, the software will display emissions categorized by level 2 categories. These emissions include net CO2, CH4, N2O, HFCs, PFCs, SF6, and others.



Country/Territory: Philippines Inventory Year: 2000 Base year for assessment of uncertainty in trend: 1990 CO2 Equivalents: AR5 GWPs (100 year time horizon) Database file:

Short Summary Table - Result





environment programme

🛃 Application Database Inventory Year Worksheets Tools Export/Import Reports Window Help

Table	D Char	+ Cummer	Table	

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Р	Emis (G	sions 3g)	-1		C	Emi: O2 Equi	ssions valents	(Gg) +=	⊨ Emissions +⊐ (Gg) +⊃				
Categories	Net CO2 (1)(2)	CH4	N2O	HFCs	PFCs	SF6	NF3	Other halogenated gases with CO2 equivalent conversion factors (3)	Other halogenated gases without CO2 equivalent conversion factors (4)	NOx	со	NMVOCs	SO2
Total National Emissions and Removals	47900.976	101.850	10.876	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1 - Energy	47827.422	80.755	2.279	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.A - Fuel Combustion Activities	45838.453	79.100	2.279							0.000	0.000	0.000	0.000
1.B - Fugitive emissions from fuels	1988.969	1.655	0.000							0.000	0.000	0.000	0.000
1.C - Carbon dioxide Transport and Storage	0.000									0.000	0.000	0.000	0.000
2 - Industrial Processes and Product Use	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.A - Mineral Industry	0.000	0.000	0.000							0.000	0.000	0.000	0.000
2.B - Chemical Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.C - Metal Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.D - Non-Energy Products from Fuels and Solvent Use	0.000	0.000	0.000							0.000	0.000	0.000	0.000
2.E - Electronics Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.F - Product Uses as Substitutes for Ozone Depleting Substances	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.G - Other Product Manufacture and Use	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.H - Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3 - Agriculture, Forestry, and Other Land Use	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.A - Livestock		0.000	0.000							0.000	0.000	0.000	0.000
3.B - Land	0.000									0.000	0.000	0.000	0.000
3.C - Aggregate sources and non-CO2 emissions sources on land	0.000	0.000	0.000							0.000	0.000	0.000	0.000
3.D - Other	0.000	0.000	0.000							0.000	0.000	0.000	0.000
4 - Waste	73.553	21.095	8.597	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4.A - Solid Waste Disposal		0.000								0.000	0.000	0.000	0.000
4.B - Biological Treatment of Solid Waste		0.050	0.017							0.000	0.000	0.000	0.000
4.C - Incineration and Open Burning of Waste	73.553	0.163	0.003							0.000	0.000	0.000	0.000
4.D - Wastewater Treatment and Discharge		20.881	8.577							0.000	0.000	0.000	0.000
4.E - Other (please specify)	0.000	0.000	0.000							0.000	0.000	0.000	0.000
5-Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.A - Indirect N2O emissions from the atmospheric deposition of nitrogen in NOx and NH3			0.000							0.000	0.000	0.000	0.000
5.B - Indirect CO2 emissions from the atmospheric oxidation of CH4, CO and NMVOC	0.000									0.000	0.000	0.000	0.000
5.C - Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

vironment ogramme

Sectoral and Background table



Steps





Each sector can be generated both sectoral and background table



Table 1 displays emissions categorized by gas type

able 1 Energy Sectoral Table Memo and Information Items							
	-12		Emissi (Gg	ons I)			-
Categories	CO2	CH4	N2O	NOx	co	NMVOCs	SO2
1 - Energy	47827	.422 80.755	2.279				
1.A - Fuel Combustion Activities	45838	.453 79.100	2.279				
1.A.1 - Energy Industries	8317.	918 0.159	0.110				
1.A.1.a - Main Activity Electricity and Heat Production	8317.	918 0.159	0.110				
1.A.1.a.i - Electricity Generation	8317.	918 0.159	0.110				
1.A.1.a.ii - Combined Heat and Power Generation (CHP)							
1.A.1.a.iii - Heat Plants							
1.A.1.b - Petroleum Refining							
1.A.1.c - Manufacture of Solid Fuels and Other Energy Industries	0.	000 0.000					
1.A.1.c.i - Manufacture of Solid Fuels	0.	000 0.000					
1.A.1.c.ii - Other Energy Industries							
1.A.2 - Manufacturing Industries and Construction	9506.	429 0.554	0.096				
1.A.2.a - Iron and Steel	820.	211 0.034	0.007				
1.A.2.b - Non-Ferrous Metals							
1.A.2.c - Chemicals	786.	016 0.032	0.006				
1.A.2.d - Pulp, Paper and Print	632	746 0.025	0.005				
1.A.2.e - Food Processing, Beverages and Tobacco	1690.	608 0.065	0.013				
1.A.2.f - Non-Metallic Minerals	3699.	110 0.323	0.050				
1.A.2.g - Transport Equipment							
1.A.2.h - Machinery	15	.766 0.001	0.000				
1.A.2.i - Mining (excluding fuels) and Quarrying	249.	028 0.010	0.002				
1.A.2.j - Wood and wood products	495.	919 0.020	0.004				
1.A.2.k - Construction	495.	976 0.020	0.004				
1.A.2.I - Textile and Leather	526.	008 0.020	0.004				
1.A.2.m - Non-specified Industry	95	.040 0.004	0.001				
1.A.3 - Transport	21673	.883 4.473	1.065				
1.A.3.a - Civil Aviation	1021.	206 0.007	0.029				
1.A.3.a.i - International Aviation (International Bunkers) (1)							
1.A.3.a.ii - Domestic Aviation	1021.	206 0.007	0.029				
1.A.3.b - Road Transportation	20648	.706 4.466	1.035				
1.A.3.b.i - Cars	20648	.706 4.466	1.035				
1.A.3.b.i.1 - Passenger cars with 3-way catalysts	20648	.706 4.466	1.035				
1.A.3.b.i.2 - Passenger cars without 3-way catalysts							
1.A.3.b.ii - Light-duty trucks							
1 A 3 h ii 1 - Light-duty trucke with 3-way catalyste							

Memo and information items displays emissions of international bunkers other special information.

🖳 Application Database Inventory Year Worksheets Tools Export/Import Reports Window Help

Ta	able 1 Energy Sectoral Table	Memo and Information Items								
			+			Emiss (Gg	ions])			-Þ
		Categories		CO2	CH4	N2O	NOx	co	NMVOCs	SO2
Þ	Memo Items (3)									
	International Bunkers			5918.214	0.415	0.158				
	1.A.3.a.i - International Avi	ation (International Bunkers) (1)		1532.537	0.011	0.043				
	1.A.3.d.i - International wat	ter-borne navigation (Internationa	al bunkers) (1)	4385.677	0.404	0.115				
	1.A.5.c - Multilateral Operati	ons (1)(2)								
	Information Items									
	CO2 from Biomass Combust	tion		27528.864						
	CO2 from Biomass Combust	tion Captured		0.000						
	Biogenic CO2			0.000						

Result - Energy background table



Following tables are included in this section

- Table 1.1 Energy Background Table 1.A.1-1.A.2
- Table 1.2 Energy Background Table 1.A.3-1.A.5
- Table 1.3 Energy Background Table 1.B
- Table 1.4b Energy Background Table 1.C Overview
- Table 1.5 Energy Background Table : Reference Approach

Activity data , emissions by fuel type and other info are shown



🖳 Application Database Inventory Year Worksheets Tools Export/Import Reports Window Help

Т	able 1.1 Energy Background Table: 1.A.1 - 1.A.2 Table 1.2 Energy Background T	able: 1.A.3 - 1	1.A.5 Table	1.3 Energy Backg	round Table: 1.B	Table 1.	4b Energy Ba	ickgroun	d Table: 1	1.C - Overvie	w Ta	ble 1.5 E	inergy Bac	ckground	Table: Ref	erence	Approach								
	2006 IPCC Categories	1		Activity (TJ)		÷	Emissi Solid F	ions -Þ uels (Emis Liquid F	sions uels (Gg	g) ⁺	Emissio Gaseous	ons Fuel 🗗	Emissior Other Fos	ns +⊐ ssil ⁺ ⊐	Emissions Peat (Gg) (1)	+	Emissions Biomass (G	-P E	imissio Fotal (C	ins Sg)	÷	Information 1	tems (Gg) →
		Solid Fuels	Liquid Fuels	Gaseous Fuels	Other Fossil Fuels	Peat	Biomass	CO2 CI	H4 N2O	CO2	CH4	N2O	со2 сн	14 N2O	СО2 СН4	N2O	CO2 CH4 N	20	CH4 N2	0 CO2	c	H4	N2O	CO2 Amount Captured	Biomass CO2 emitted
►	1.A.3 - Transport		300456.608							21673.883	4.473	1.065								21673.8	383 4	4.473	1.065	0.000	
	1.A.3.a - Civil Aviation		14285.625							1021.206	0.007	0.029								1021.2	206 0	0.007	0.029	0.000	
	1.A.3.a.i - International Aviation (International Bunkers) (2) (4)																								
	1.A.3.a.ii - Domestic Aviation		14285.625							1021.206	0.007	0.029								1021.2	206 0	0.007	0.029	0.000	
	1.A.3.b - Road Transportation		286117.389							20648.706	4.466	1.035								20648.7	/06 4	4.466	1.035	0.000	
	1.A.3.b.i - Cars		286117.389							20648.706	4.466	1.035								20648.7	/06 4	4.466	1.035	0.000	
	1.A.3.b.i.1 - Passenger cars with 3-way catalysts		286117.389							20648.706	4.466	1.035								20648.7	/06 4	4.466	1.035	0.000	
	1.A.3.b.i.2 - Passenger cars without 3-way catalysts																								
	1.A.3.b.ii - Light-duty trucks																								
	1.A.3.b.ii.1 - Light-duty trucks with 3-way catalysts																								
	1.A.3.b.ii.2 - Light-duty trucks without 3-way catalysts																								
	1.A.3.b.iii - Heavy-duty trucks and buses																								
	1.A.3.b.iv - Motorcycles																								
	1.A.3.b.v - Evaporative emissions from vehicles																								
	1.A.3.b.vi - Urea-based catalysts (3)																								
	1.A.3.c - Railways		53.594							3.971	0.000	0.002								3.9	/71 0	0.000	0.002	0.000	
	1.A.3.d - Water-borne Navigation																								
	1.A.3.d.i - International water-borne navigation (International bunkers) (2) (4)																								
	1.A.3.d.ii - Domestic Water-borne Navigation																								
	1.A.3.e - Other Transportation																								
	1.A.3.e.i - Pipeline Transport																								
	444 ° 07 1																								
	2006 IPCC Categories 7			Activity (TJ)			+⊐ Emi Solic	ssions I Fuels (-ti	Emissions quid Fuels ((Gg) +	Gaseo	sions us Fuel [‡]	Emiss Other	Fossil	Emis Peat	t (Gg) + Bio	imissi omass	ons s (Gg) 🕫	Emissio Total (G	ns ig)	-12			

		Solid Fuels	Liquid Fuels	Gaseous Fuels	Other Fossil Fuels	Peat	Biomass	CO2	CH4	N2O	CO2	CH4	N2O	CO2	CH4	N2O	CO2 0	H4 N2	o co:	2 CH4	N2O	CO2	CH4	N2O	CO2	CH4	N2O
►	International Bunkers		79122.576								5918.214	0.415	0.158												5918.214	0.415	0.158
	1.A.3.a.i - International Aviation (International Bunkers) (2) (4)		21434.090								1532.537	0.011	0.043												1532.537	0.011	0.043
	1.A.3.d.i - International water-borne navigation (International bunkers) (2) (4)		57688.486								4385.677	0.404	0.115												4385.677	0.404	0.115
	1 A F.o. Multilatoral Operations (5)																										

Uncertainties Reporting Table 7a



Steps



: [Reports	Window	Help	
-	Sum	imary		
	Sho	rt Summary		
20	Ener	gy		•
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	AFO	LU		► ov
	Was	te		► al
	labl	e /a - Uncert	tainties	



Reporting table 7a displays;

- 1. Base year emissions or removal
- 2. Activity data uncertainty
- 3. Emission factor Uncertainty
- 4. Combined uncertainty

for each level 3 categories by GHG gases.



IPCC Inventory Software - PHL_EnergySector - [Reporting Table 7a - Uncertainties]						
🛃 Application Database Inventory Year Worksheets Tools Export/Imp	oort Reports Window H	elp				
Reporting Table 7a - Uncertainties						
Base year for assessment of uncertainty in trend 2000 V Tear I	2000 V Refre	ish Data				
2006 IPCC Categories	ዋ Gas ዋ	Base Year emissions or removals -⊐ (Gg CO2 equivalent)	Activity Data Uncertainty -⊐ (%)	Emission Factor Uncertainty -⊐ (%)	Combined Uncertainty -⊐ (%)	Contribution to Variance by Category in Year T ➡
▶ 1-Energy						
1.A.1 - Energy Industries - Liquid Fuels	CO2	2548.436	5.000	6.136	7.915	0.126
	CH4	0.099	5.000	228.788	228.843	0.000
	N2O	0.020	5.000	228.788	228.843	0.000
1.A.1 - Energy Industries - Solid Fuels	CO2	5766.053	5.000	12.460	13.426	1.856
	CH4	0.060	5.000	200.000	200.062	0.000
	N2O	0.090	5.000	222.222	222.278	0.000
1.A.1 - Energy Industries - Gaseous Fuels	CO2	3.429	5.000	3.922	6.354	0.000
	CH4	0.000	5.000	200.000	200.062	0.000
	N2O	0.000	5.000	200.000	200.062	0.000
1.A.1 - Energy Industries	CO2	0.000	5.000	5.000	7.071	0.000
	CH4	0.000	5.000	5.000	7.071	0.000
	N2O	0.000	5.000	5.000	7.071	0.000
1.A.2 - Manufacturing Industries and Construction - Liquid Fuels	CO2	6687.058	16.583	20.351	26.252	0.120
	CH4	0.260	16.583	758.804	758.985	0.000
	N2O	0.052	16.583	758.804	758.985	0.000
1.A.2 - Manufacturing Industries and Construction - Solid Fuels	C02	2819.371	8.660	21.581	23.254	0.425
	CH4	0.293	8.660	346.410	346.518	0.000
	N2O	0.044	8.660	384.900	384.998	0.000
1.A.3.a - Civil Aviation - Liquid Fuels	C02	2553.743	7.071	5.953	9.243	0.045
	CH4	0.018	7.071	141.421	141.598	0.000
	N2O	0.071	7.071	212.132	212.250	0.000
1.A.3.b - Road Transportation - Liquid Fuels	C02	20648.706	5.000	3.068	5.866	4.545
	CH4	4.466	5.000	244.693	244.744	0.000
	N20	1.035	5.000	209.938	209.997	0.000
1.A.3.b - Road Transportation	CO2	0.000	0.000	0.000	0.000	0.000
1.A.3.c - Railways - Liquid Fuels	C02	3.971	5.000	2.024	5.394	0.000
	CH4	0.000	5.000	150.602	150.685	0.000
	N20	0.002	5.000	200.000	200.062	0.000
1.A.3.d - Water-borne Navigation - Liquid Fuels	CO2	4385.677	5.000	4.301	6.596	0.259
	CH4	0.404	5.000	50.000	50.249	0.000
	N20	0.115	5.000	140.000	140.089	0.000
1.A.4 - Other Sectors - Liquid Fuels	02	6340.223	10.000	10.432	14.451	0.364
	CH4	0.657	10.000	324.138	324.293	0.000
	N2O	0.067	10.000	409.648	409.770	0.000

Uncertainties Reporting Table 7a



Steps



: [Reports	Window	Help	
-	Sum	imary		
	Sho	rt Summary		
20	Ener	gy		•
	IPPU	J		► Y
	AFO	LU		► ov
	Was	te		► al
	labl	e /a - Uncert	tainties	



IPCC Inventory Software - PHL_EnergySector - [Reporting Table 7a - Uncertainties]						
🛃 Application Database Inventory Year Worksheets Tools Export/Imp	oort Reports Window H	elp				
Reporting Table 7a - Uncertainties						
Base year for assessment of uncertainty in trend 2000 V Tear I	2000 V Refre	ish Data				
2006 IPCC Categories	ዋ Gas ዋ	Base Year emissions or removals -⊐ (Gg CO2 equivalent)	Activity Data Uncertainty -⊐ (%)	Emission Factor Uncertainty -⊐ (%)	Combined Uncertainty -⊐ (%)	Contribution to Variance by Category in Year T ⇔
▶ 1-Energy						
1.A.1 - Energy Industries - Liquid Fuels	CO2	2548.436	5.000	6.136	7.915	0.126
	CH4	0.099	5.000	228.788	228.843	0.000
	N2O	0.020	5.000	228.788	228.843	0.000
1.A.1 - Energy Industries - Solid Fuels	CO2	5766.053	5.000	12.460	13.426	1.856
	CH4	0.060	5.000	200.000	200.062	0.000
	N2O	0.090	5.000	222.222	222.278	0.000
1.A.1 - Energy Industries - Gaseous Fuels	CO2	3.429	5.000	3.922	6.354	0.000
	CH4	0.000	5.000	200.000	200.062	0.000
	N2O	0.000	5.000	200.000	200.062	0.000
1.A.1 - Energy Industries	CO2	0.000	5.000	5.000	7.071	0.000
	CH4	0.000	5.000	5.000	7.071	0.000
	N2O	0.000	5.000	5.000	7.071	0.000
1.A.2 - Manufacturing Industries and Construction - Liquid Fuels	CO2	6687.058	16.583	20.351	26.252	0.120
	CH4	0.260	16.583	758.804	758.985	0.000
	N2O	0.052	16.583	758.804	758.985	0.000
1.A.2 - Manufacturing Industries and Construction - Solid Fuels	C02	2819.371	8.660	21.581	23.254	0.425
	CH4	0.293	8.660	346.410	346.518	0.000
	N2O	0.044	8.660	384.900	384.998	0.000
1.A.3.a - Civil Aviation - Liquid Fuels	C02	2553.743	7.071	5.953	9.243	0.045
	CH4	0.018	7.071	141.421	141.598	0.000
	N2O	0.071	7.071	212.132	212.250	0.000
1.A.3.b - Road Transportation - Liquid Fuels	C02	20648.706	5.000	3.068	5.866	4.545
	CH4	4.466	5.000	244.693	244.744	0.000
	N2O	1.035	5.000	209.938	209.997	0.000
1.A.3.b - Road Transportation	CO2	0.000	0.000	0.000	0.000	0.000
1.A.3.c - Railways - Liquid Fuels	C02	3.971	5.000	2.024	5.394	0.000
	CH4	0.000	5.000	150.602	150.685	0.000
	N20	0.002	5.000	200.000	200.062	0.000
1.A.3.d - Water-borne Navigation - Liquid Fuels	CO2	4385.677	5.000	4.301	6.596	0.259
	CH4	0.404	5.000	50.000	50.249	0.000
	N20	0.115	5.000	140.000	140.089	0.000
1.A.4 - Other Sectors - Liquid Fuels	02	6340.223	10.000	10.432	14.451	0.364
	CH4	0.657	10.000	324.138	324.293	0.000
	N2O	0.067	10.000	409.648	409.770	0.000



This step shows , How to create CRT table and move to it

Start by moving to the "Export and Import" section.

Select the "Export" option.

Choose the "UNFCCC CRT" option from the available list.

In the popup window, locate the button labeled "NEW CRT table" and click on it.

Another popup window will appear; here, enter the CRT table name and select the required years.

CRT Table



This video shows, How to create CRT table and move to it



Country/Territory: Philipoines Inventory Year: 2000 Base vear for assessment of uncertainty in trends: 1990 CO2 Equivalents: AR5 GWPs (100 vear time horizon) Database file: (C:\Users\chama\Downloads\DB Management\PCC PHL DB Super Admin tier 1 20240313.accdb)

CBIT-GSP CLIMATE TRANSPARENCY

CRT section includes 12 tables as bellow;

- 1. Table 1 : Sectoral Report for Energy
- 2. Table 1 A(a)s1 Sectoral Background data for Energy, Fuel combustion activities- sectoral approach sheet -1
- 3. Table 1 A(a)s2 Sectoral Background data for Energy, Fuel combustion activities- sectoral approach sheet -2
- 4. Table 1 A(a)s3 Sectoral Background data for Energy, Fuel combustion activities- sectoral approach sheet -3
- 5. Table 1 A(a)s4 Sectoral Background data for Energy, Fuel combustion activities- sectoral approach sheet -4
- 6. Table 1 A(b) Sectoral Background data for Energy, Fuel combustion activities- reference approach
- 7. Table 1 A(c) Compression of CO2 emission from fuel combustion
- 8. Table 1 A(d) Sectoral Background data for Energy, Feedstocks, reductant and other non energy use of fuels
- 9. Table 1 B 1 Sectoral Background data for Energy-solid fuels
- 10. Table 1 B 2 Sectoral Background data for Energy-Oil, natural gas and other emission from energy production.
- 11. Table 1 C Sectoral Background data for Energy- CO2 Transport and storage
- 12. Table 1 D Sectoral Background data for Energy- International aviation and international navigation) international bunkers) and multilateral operations

Result - CRT Table



NO NO

1.023425

0.9447

NO

1.175

NO

NE

NE, NO

VERY/FLARING

NO

NE

NE, NO

(kt)

Application Database Inventory Year Worksheets Tools Expo	ort/Import Reports	Window H	elp							_	a x						
Sector Energy Year 2000 Image: Constraint of the sector of the se	Refresh values a1.A(b) Table1.A(c)	Table1.A(d) Ta	ble1.B.1 Table1.B.	2 Table1.C	Table1.D												
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO2	CH4 (kt)	N2O (kt)	NOx (kt)		CO (kt)	NMVC (kt)	DC	SOx (kt)								
Total Energy	(149	(ku)	(44)	(KI)		(144)	(KG)		(KG)								
1.A. Fuel combustion activities (sectoral approach)			1	1		I											
1.A.1. Energy industries		Sector Fre	VDV	Year	2000	- F	Refresh values										
1.A.1.a. Public electricity and heat production		Sector 21		, ica	2000					1		1					
1.A.1.b. Petroleum refining		Table1 Tab	ole1.A(a)s1 Table1	A(a)s2 Table	1.A(a)s3	Table1.A(a)s4 Table1.	A(b) Table1	.A(c) Table	e1.A(d) Tabl	le1.B.1 Tal	ble1.B.2 Table1.C Ta	able1.D					
1.A.1.c. Manufacture of solid fuels and other energy industries		TABLE 1	A(a) SECTO	ORAL BAC	KGRO	UND DATA FO	RENER	GY									
1.A.2. Manufacturing industries and construction		Fuel combu	stion activities - s	ectoral approa	ch (Sheet	3 of 4)											
1.A.2.a. Iron and steel		OREENIHO			CORIES					ACTORS		EMISSION	10	1			
1.A.2.b. Non-ferrous metals		GREENHO	USE GAS SOURCE.	AND SINK CALE	GORIES	AGGREGATE ACTI		IMPLIEL	J EMISSION P	ACTORS		EMISSION	15				
1.A.2.c. Chemicals						Consumption	NCV/GCV	CO2	CH4	N2O	CO2	CH4		N2O	CO2		
1.A.2.d. Pulp, paper and print						(TJ)		(t/TJ)	(kg/TJ)	(kg/TJ)	(kt)	(kt)		(kt)	Method	EF	
		▶ 1.A.3 Tra	insport			300456.6078					21673.88319773	4.47	330928	1.06537461			
		Liquid	fuels			300456.6078					21673.88319773	4.47	330928	1.06537461			
Legend v 4	Documentation box	Gaseo	us fuels (6)			NE, NO					NE, NO		NE, NO	NE, NO			
 Total GHG emissions" does not include NOX, CO, NMVOC and SOX. 	Parties should provid ("Energy" (CRT sector	Other f	ossil fuels (7)		Carden I	Energy	X 2	000		Pofrash val	han						
(2) As per decision 18/CMA.1, annex, para. 37, each Party shall use the	references to relevant	Biomas	ss (3)		Sector	unergy ~	rear 2	.000	·	heliesh va	ues .						
100-year time-horizon GWP values from the IPCC Fifth Assessment Report, or 100-year time-horizon GWP values from a subsequent IPCC assessment report	further details are nee feedstocks and non-er	1.A.3.a. [Domestic aviation (1)	2)	Table1 1	Table1.A(a)s1 Table1.A(a	a)s2 Table1.4	A(a)s3 Table	e1.A(a)s4 Tab	ole1.A(b) Ta	ble1.A(c) Table1.A(d) T	able1.B.1 Table	1.B.2 Table1.C	Table1.D			
as agreed upon by the CMA, to report aggregate emissions and removals of	inventory, under the er	Aviatio	n gasoline		TABLE	1.B.1 SECTOR	AL BACK	GROUNI	D DATA F	OR ENE	RGY						
(e.g. global temperature potential) to report supplemental information on		Jet ker	osene		Solid Fue	ls (Sheet 1 of 1)											
aggregate emissions and removals of GHGs, expressed in CO2 eq. In such		Diomas	5			GREENHOUSE GAS	SOURCE AND	D SINK CATE	EGORIES		ACTIVITY DATA	IMPLIED EMIS	SION FACTORS	EMIS	SSIONS	RECO	/ER)
used and the IPCC assessment report they were sourced from.											Amount of fuel produced	CH4	CO2	CH4	CO2	CH4	
(3) Parties are asked to report emissions from international aviation and marine		Legend									(Mt)	(kg/t)	(kg/t)	(kt)	(kt)	(kt)	
(a) raises are asked to report emissions from international availabilitation and marine	μ				▶ 1. B. 1.	. a. Coal mining and handli	ng				1.221	1		1.65523	5 NE, NC	NE.	NO
Country/Territory: Philippines Inventory Year: 2000 Base year for assessmen	t of uncertainty in tren	d: 1990 CO2 I	Equivalents: AR5 (GWPs (100 ye	1.B.	1.a.i. Underground mines	(4)				0.046	6		0.6318	1 NE, NC	NE,	NO
					1.8	8.1.a.i.1. Mining activities	ties					-		0.55470	5 NE		NE
					1.8	3.1.a.i.3. Abandoned underg	ground mines (r	number of min	ies)		NE			NE		ź –	NE
					1.B	3.1.a.i.4. Flaring of drained	methane or cor	nversion of me	ethane to CO2 (5)	NE			NE	E NE	1	
					1.B	3.1.a.i.5. Other (please spe	cify)							NC	NC NC	4	NO

1.B.1.a.ii. Surface mines (4) 1.B.1.a.ii.1. Mining activities

Other Underground Coal Mines [IPCC Software 1.B.3]

NAI Reporting Table



Steps



	oorts Window Help	Export/Import
	Worksheet Data	Export
	CO2 Equivalents	Import
	NAI Reporting Tables	
2)	UNFCCC CRT	

Result - NAI Reporting Table

CBIT-GSP CLIMATE TRANSPARENCY

Upon selecting "NAI Reporting table" in the report section, the software will display emissions categorized by level 2 & 3 categories. These Table 1 & 2 include emissions net CO2, CH4, N2O, HFCs, PFCs, SF6, and others.

•	Application Database Inventory Year Worksheets Tools Exp	ort/Import	Reports	Wind	ow H	lelp		
N/	Al Reporting Table 1 NAI Reporting Table 2							
	Greenhouse gas source and sink categories +	Net CO2 (Gg)	CH4 (Gg) +	N2O (Gg) ₽	CO Gg 🗗	NOx ⊨ (Gg)	NMVOCs +	SOx (Gg) ≠
	Total National Emissions and Removals	47900.976	101.850	10.876	0.000	0.000	0.000	0.000
	1 - Energy	47827.422	80.755	2.279	0.000	0.000	0.000	0.000
	1A - Fuel Combustion Activities	45838.453	79.100	2.279	0.000	0.000	0.000	0.000
	1A1 - Energy Industries	8317.918	0.159	0.110	0.000	0.000	0.000	0.000
	1A2 - Manufacturing Industries and Construction (ISIC)	9506.429	0.554	0.096	0.000	0.000	0.000	0.000
	1A3 - Transport	21673.883	4.473	1.065	0.000	0.000	0.000	0.000
	1A4 - Other Sectors	6340.223	73.914	1.008	0.000	0.000	0.000	0.000
	1A5 - Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	1B-Fugitive Emissions from Fuels	1988.969	1.655	0.000	0.000	0.000	0.000	0.000
	1B1 - Solid Fuels	0.000	1.655	0.000	0.000	0.000	0.000	0.000
	1B2 - Oil and Natural Gas	1988.969	0.000	0.000	0.000	0.000	0.000	0.000
	2 - Industrial Processes	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2A - Mineral Products	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2B - Chemical Industry	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2C - Metal Production	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	2D - Other Production	0.000	0.000		0.000	0.000	0.000	0.000
	2E - Production of Halocarbons and Sulphur Hexafluoride				0.000	0.000	0.000	0.000
					0.000	0.000	0.000	0.000

Head Application Database Inventory Year Worksheets Tools Ex	port/Impo	rt Repo	rts Wind	low I	Help		
NAI Reporting Table 1 NAI Reporting Table 2							
		HFC			PFC	;	SF6
Greenhouse gas source and sink categories	HFC-23 (Gg)	HFC-134 (Gg)	Other (Gg-CO2)	CF4 (Gg)	C2F6 (Gg)	Other (Gg-CO2)	SF6 (Gg)
Total National Emissions and Removals	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1 - Energy							
1A - Fuel Combustion Activities							
1A1 - Energy Industries							
1A2 - Manufacturing Industries and Construction (ISIC)							
1A3 - Transport							
1A4 - Other Sectors							
1A5 - Other							
1B - Fugitive Emissions from Fuels							
1B1 - Solid Fuels							
1B2 - Oil and Natural Gas							
2 - Industrial Processes	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2A - Mineral Products							
2B - Chemical Industry							
2C - Metal Production	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2D - Other Production							
2E - Production of Halocarbons and Sulphur Hexafluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2F - Consumption of Halocarbons and Sulphur Hexafluoride	0.000	0.000	0.000	0.000	0.000	0.000	0.000



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