

WORK GROUP 4

VEHICLE INVENTORY AND DEVELOPMENT OF A DATA ENTRY TOOL

TEAM COMPOSITION – WGP 4

Representatives of

- National Transport Authority (Team Leader)
- Ministry of Social Security & Environment and Sustainable Development
- Ministry of Finance and Economic Development
- Ministry of Industry and Commerce and Consumer Protection
- Ministry of Public Infrastructure and Land Transport
- Mauritius Revenue Authority
- University of Mauritius (Faculty of Engineering)

Terms of Reference

Vehicle Inventory in Mauritius

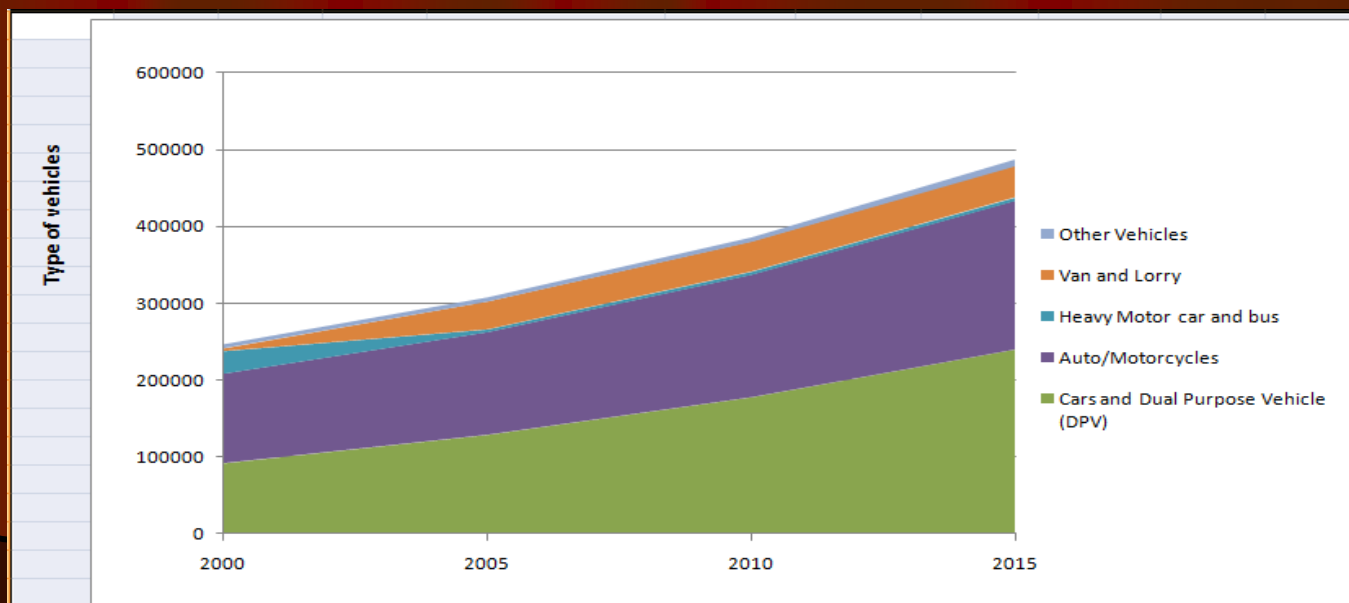
- Carried out in two phases
- Terms of Reference Phase 1
 - to set up a vehicle data inventory for the years 2005, 2008, 2010 and 2012 for newly registered light duty vehicle (LDV).
 - to use the vehicle inventory to develop baseline estimates for 2005 as per GFEI methodology.

Terms of Reference

- Terms of Reference Phase II - to assess fuel consumption and Co₂ emissions for both LDVs and Heavy duty Vehicles (HDVs) for the years 2014 and 2015.
 - to develop a data entry tool for future vehicle imports
 - to conduct a thorough review of existing regulations and incentives to promote cleaner and more efficient vehicles in Mauritius.
 - to look into the modernization of public transport.
- Phase 1 completed August 2014
- Phase II completed March 2017

Vehicle Registered in Mauritius 2000 - 2015

Types of vehicle	2000	2005	2010	2015
Cars and Dual Purpose Vehicle (DPV)	89,823	126,844	175,634	237,600
Auto/Motorcycles	116,478	133,430	159,329	193,688
Heavy Motor car and bus	29,292	3,605	4,094	4,264
Van and Lorry	3,310	36,036	39,100	41,601
Other Vehicles	5,115	5,581	5,958	8,991
Total	244,018	305,496	384,115	486,144
			Growth rate %	4.7



LDVs Registered 2000 - 2015

Year	Petrol	Diesel	Hybrid	Electric	LPG	Total	Annual Growth Rate
2005	98,744	42,618	0	0	224	141,586	-
2006	106,382	45,309	0	0	227	151,918	7.3%
2007	114,536	48,108	0	0	230	162,874	7.2%
2008	124,813	51,095	0	0	232	176,140	8.1%
2009	133,807	53,486	43	0	238	187,574	6.5%
2010	142,910	56,014	161	0	244	199,329	6.3%
2011	151,842	58,463	315	2	246	210,868	5.8%
2012	163,125	61,096	703	5	247	225,176	6.8%
2013	175,938	63,446	1,389	6	251	241,030	7.0%
2014	198,153	66,552	1,824	8	252	266,789	10.7%
2015	220,954	68,747	2,422	19	253	292,385	9.6%

Overview of Fuel Consumption and Co₂ Emissions (2015)

Final energy consumption by sector

	ktoe
Transport	463.1
Manufacturing	216.2
Household	129.9
Commercial and Distributive Trade	95.5
Agriculture and Other (n.e.s)	8.1
Total	912.8

% of energy consumption by mode(transport sector)

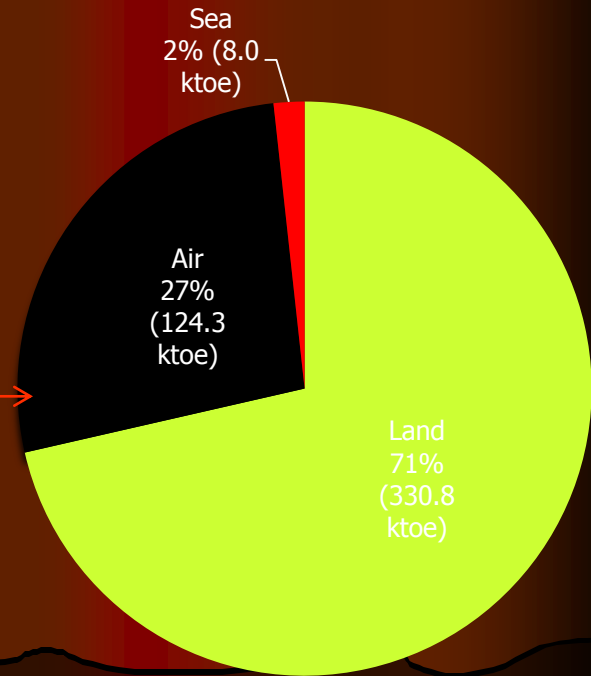
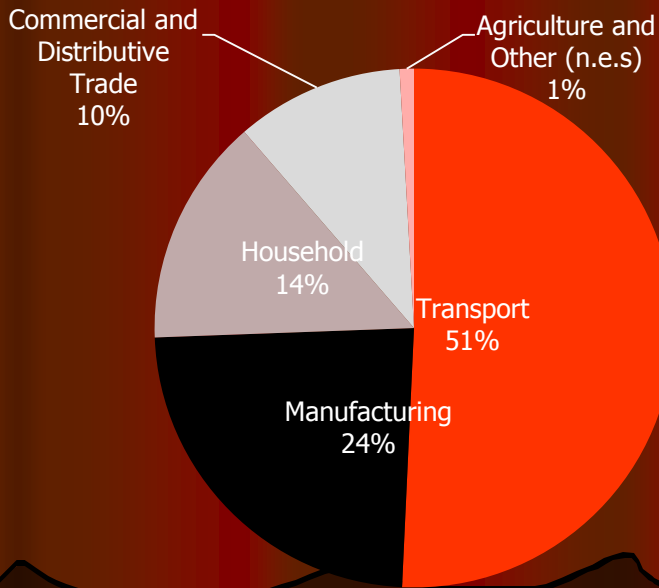
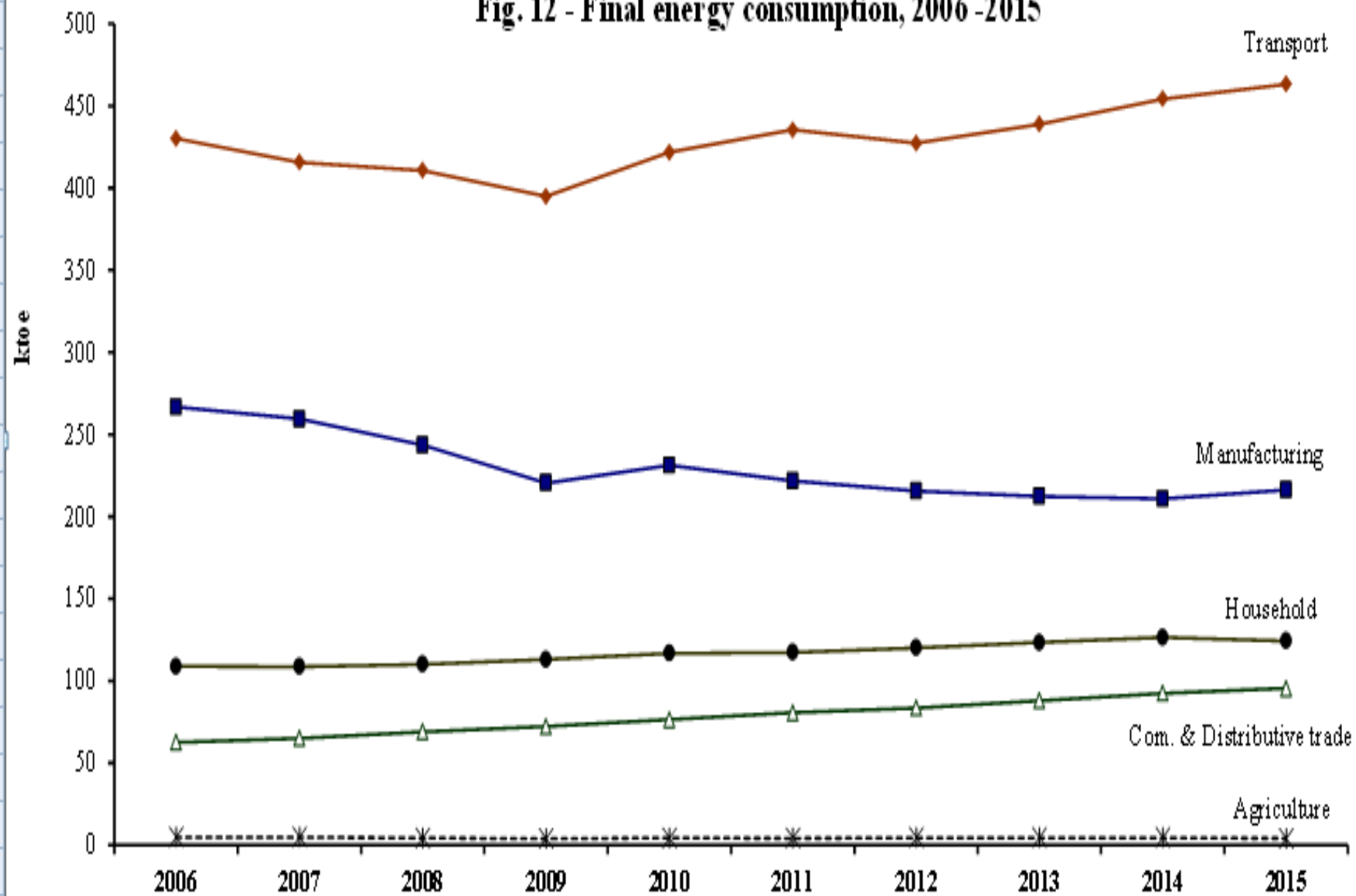
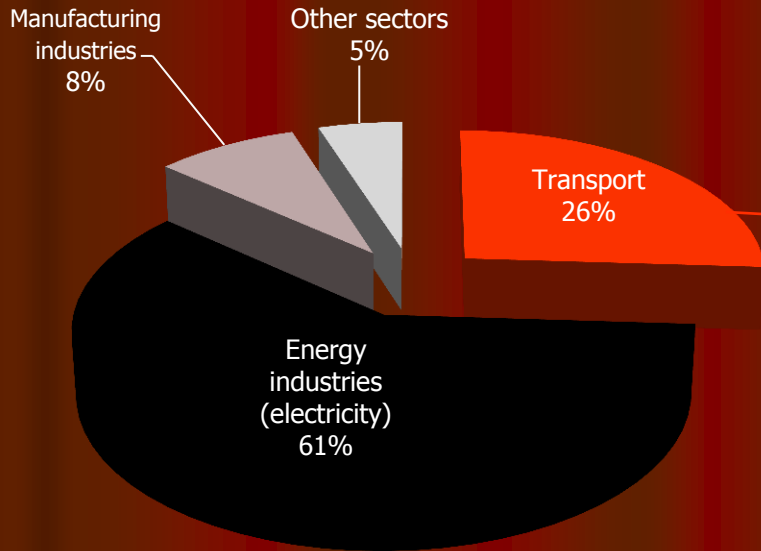


Fig. 12 - Final energy consumption, 2006 -2015

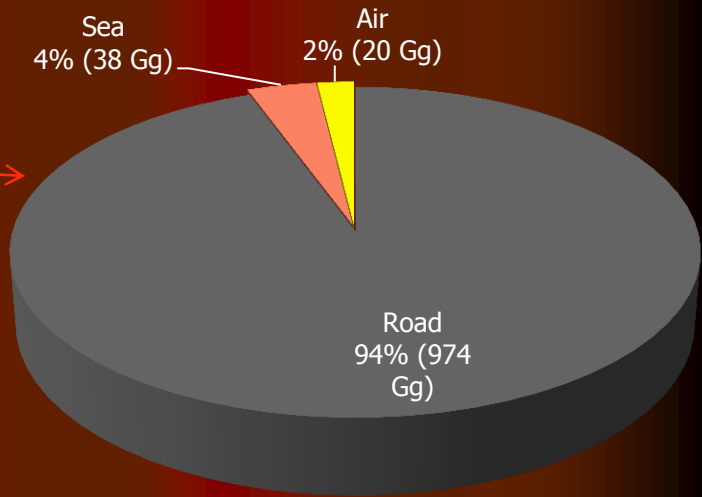


CO₂ emission by source category 2015

	Gg
Transport	1032.06
Energy industries (electricity)	2407.52
Manufacturing industries	337.78
Other sectors	198.2
Total	3,975.56



Share of CO₂ emission by mode transport sector



Minimum Vehicle Information Requirements for Data Inventory

- Vehicle Make and Model
- Model Production Year
- Year of 1st Registration
- Vehicle Identification Number
- Fuel Type
- Imported (New or Second Hand)
- Number of vehicles sold by model
- Body Type
- Engine Capacity
- Rated fuel economy per model and “test cycle” basis
- Fuel Injection type
- Transmission type
- Vehicle footprint
- Vehicle kerb Weight
- Emission Certificate Level

Sources of fuel economy/ Co₂ Emissions data

- Car Co₂ Emissions (UK) - <http://car-emissions.com>
- US Environmental Protection Agency- <http://www.fuel economy.gov>
- Car Fuel Data, Co₂ and Vehicle Tax Tools – <http://carfuel.data.direct.gov.uk>
- World car specifications – <http://www.carfolio.com/specification>

Data Source based on –

- New European Drive Cycle (NEDC)
- Japanese tests cycles (JCO8)

Vehicle Population for data Inventory (Phase 1)

(1) LDVs imported in 2005 and 2013

	2005	2013
New Vehicles	5,221	8,342
Second Hand Vehicles	5,312	7,512
Total	10,553	15,854

(2) Cumulative Total LDVs

	2005	2013
New Vehicles	104,314	159,289
Second Hand Vehicles	37,272	81,741
Total	141,586	241,030

(3) Fuel economy and Co₂ emissions data sought for 127 makes/model clusters. The process will be described under the Chapter Data Entry Tool.

Breakdown of Cumulative of LDVs Fleet by fuel Type

Year	Petrol	Diesel	LPG	LPG + PETROL	Hybrid	Total
2005	98,740	42,618	209	15	4	141,586
2006	106,377	45,309	209	18	5	151,918
2007	114,531	48,108	210	20	5	162,874
2008	124,804	51,095	212	20	9	176,140
2009	133,795	53,486	213	25	55	187,574
2010	142,891	56,014	216	28	180	199,329
2011	151,822	58,463	218	28	337	210,868
2012	163,102	61,096	219	28	731	225,176
2013	175,915	63,446	223	28	1,418	241,030

Average fuel consumption and CO₂ emissions for LDVs registered in 2005 and 2013

Year	Average Fuel Consumption (L/100km)	Average CO ₂ Emission (g/km)
2005	7	186
2013	6.6	169

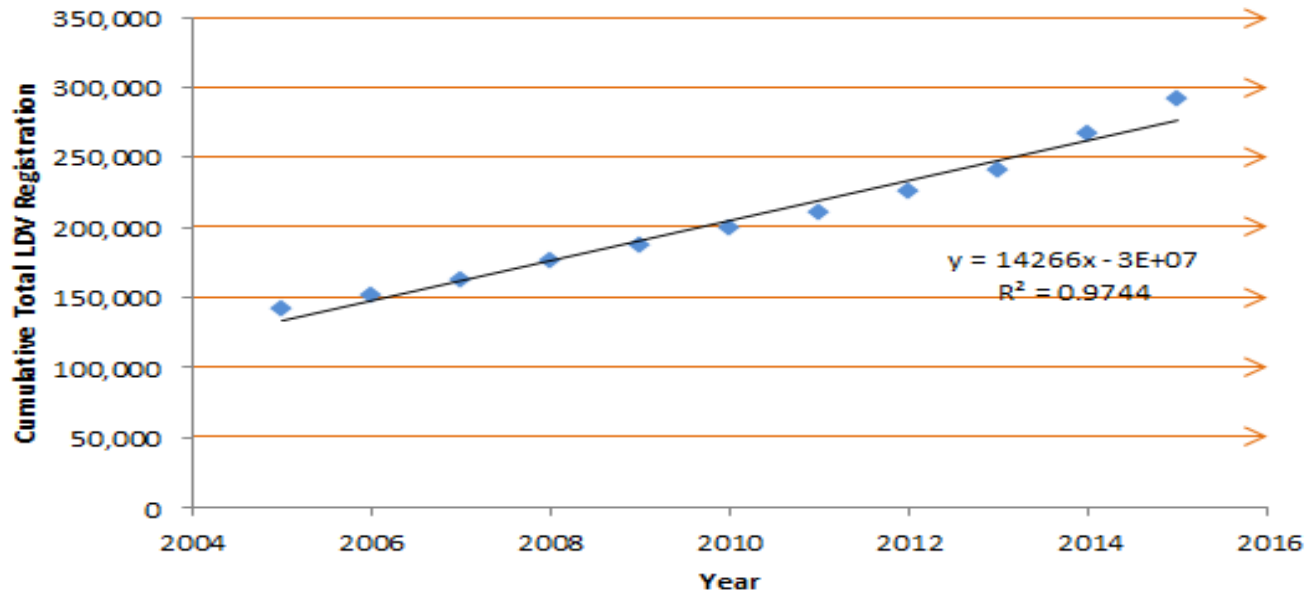
Phase 2

- Vehicles inventory covers all vehicles registered in 2014 and 2015
- LDVs include two-wheelers
- Inventory includes HDVs as well but these are assessed separately from LDVs

Vehicles registered in 2014 and 2015

	2014	2015
New Vehicles	18,844	16,122
Second Hand Vehicles	7,556	9,891
Total	26,400	26,013

Trend in LDVs registration 2005 - 2015



Trend in registration of LDVs from 2005 to 2015

Cumulative LDVs Estimates for Year 2030 and 2050

Year	Cumulative Total LDVs Estimates
2005	141,586
2015	292,385
2030	490,390
2050	775,720

On the basis of the best line of fit, it is forecast that the number of LDV registered in 2030 will be almost 500,000 (+67%) and 775000 (+165%) in 2050 under a Business As Usual (BAU) scenario

Missing Fields

Number of vehicles for which data on fuel consumption and Co₂ emissions not obtained

Number of missing fields for LDVs and HDVs registered in 2014 and 2015			
Year	LDVs	HDVs	Total
2014	7	57	64 (0.24 %)
2015	0	26	26 (0.09 %)

LDVs and HDVs by class of Vehicle

	2014	2015
Total Vehicles registered	26,400	26,013
Number of LDVs	25,759(97.6%)	25,596(98.4%)
Number of HDVs	641(2.4%)	417 (1.6%)

Number of LDVs and HDVs by fuel type

Year	Type of Vehicles	Petrol	Diesel	Hybrid	Electric	LPG	Total
2014	All	22,219	3,742	436	2	1	26,400
	LDVs	22,215	3,106	435	2	1	25,759
	HDVs	4	636	1	0	0	641
2015	All	22,805	2,608	588	11	1	26,013
	LDVs	22,802	2,195	587	11	1	25,596
	HDVs	3	413	1	0	0	417

- Petrol driven vehicles constitute the vast majority
- Noteworthy increase in number of hybrid vehicles (from 55 in 2009 to 5,500 in 2017)

Average fuel consumption and Co₂ emission for all vehicles registered in 2014 and 2015

	Average Fuel Consumption (l/100 km)	Average CO ₂ Emissions (g/km)
2014	6.2	155
2015	6.2	153

- Although Inventory not for same vehicle fleet mix as that for Phase I, the average fuel consumption and Co₂ emission shows a decrease from 7 L/100 Km in 2005 to 6.2L/100 km in 2015 and 186 g/km of Co₂ emission to 153 g/km respectively.

Fuel economy and CO₂ emission comparison for new and second hand vehicles 2014 and 2015

Year	Vehicle Type	Average Fuel Consumption (l/100 km)			Average CO ₂ Emissions (g/km)		
		All	New	Second Hand	All	New	Second Hand
2014	LDVs	5.8	5.5	6.7	145	137	165
	HDVs	21.5	20.9	24.6	612	593	695
2015	LDVs	5.9	5.5	6.5	146	138	158
	HDVs	22.7	22.5	24.7	645	640	687

- Second hand vehicles consume almost 20% more fuel than new vehicles and emit 15% more CO₂ (LDVs)

Fuel economy and CO₂ emission by fuel type

Year	Vehicle Type	Average Fuel Consumption (l/100 km)				Average CO ₂ Emissions (g/km)			
		Petrol powered	Diesel powered	Hybrid	LPG powered	Petrol powered	Diesel powered	Hybrid	LPG powered
2014	LDVs	5.7	7.0	4.2	4.2	142	174	102	99
	HDVs	32.7	21.5	10.4	0	927	611	0	0
2015	LDVs	5.9	6.9	4.0	6.6	145	168	95	163
	HDVs	0	22.8	0	0	0	646	0	0

- Highlights boldly the low fuel consumption of hybrid LDVs and low CO₂ emissions – 4 L/100 km and 95 g/km more CO₂ in 2015

Fuel Economy and CO₂ emissions by engine displacement

	2014			2015		
	Number of Vehicles	Average Fuel Consumption (l/100 km)	Average CO ₂ Emissions (g/km)	Number of Vehicles	Average Fuel Consumption (l/100 km)	Average CO ₂ Emissions (g/km)
≤ 100	2629	3.0	79	1954	3.2	83
101-500	6798	5.1	131	6120	5.1	130
501-1000	1607	6.3	153	3137	6.4	157
1001-1500	9008	6.6	162	9086	6.3	155
1501-2000	3339	6.8	164	3296	6.8	164
2001-2500	1421	7.7	189	1536	7.1	177
2501-3000	654	8.1	205	425	7.8	194
3001-3500	250	8.4	205	14	8.0	201
3501-4000	116	12.5	339	58	9.2	233
4001-5000	152	18.2	510	134	20.5	578
5001-10000	320	22.0	625	165	22.5	647
>10000	45	35.3	1000	51	32.8	920

- Reveals valuable information on consumer's choice
- Mainly for - two-wheelers of 101-500 cc
 - cars of 1001 – 1500 cc
 - Decline in number of vehicles of 3000 cc or more
 - Improvement in fuel consumption and CO₂ emission of vehicles in the range 1001 – 1500 cc

The need for a breakdown of inventory data

- Vehicle registration data has been worked out
 - by class of vehicle
 - by class subdivided into HDVs and LDVs
 - by fuel type
 - by engine technology
- Fuel economy and Co₂ Emission have been detailed
 - by class of vehicle registered
 - by new and second hand vehicle
 - by fuel type both for LDVs and HDVs
 - by engine displacement
 - by engine displacement and fuel type

The need for a breakdown of inventory data

- It enables development and implementation of targeted policies/strategies to promote fuel economy and CO_2 abatement.
- It enables influencing consumer choice towards vehicles with higher fuel economy and lower CO_2 emission through public information/fiscal incentives.
- Breakdown of Inventory data reveals important information as to which segment of vehicle population has the maximum potential for fuel economy and CO_2 emission reduction.
- It reduces the country's reliance on fossil fuels and expenditure on importation of such fuels.
- It enables the country to reap environmental benefits through lesser CO_2 emissions

Trend of fuel economy and Co₂ Emissions 2005 – 2015 LDVs

	2005	2013	2015
Fuel Economy L/100 Km)	7.0	6.6	5.9
Co ₂ Emission (g/km)	186	169	145
All vehicles (2015) – 6.2L/100 km and 153 g/km			

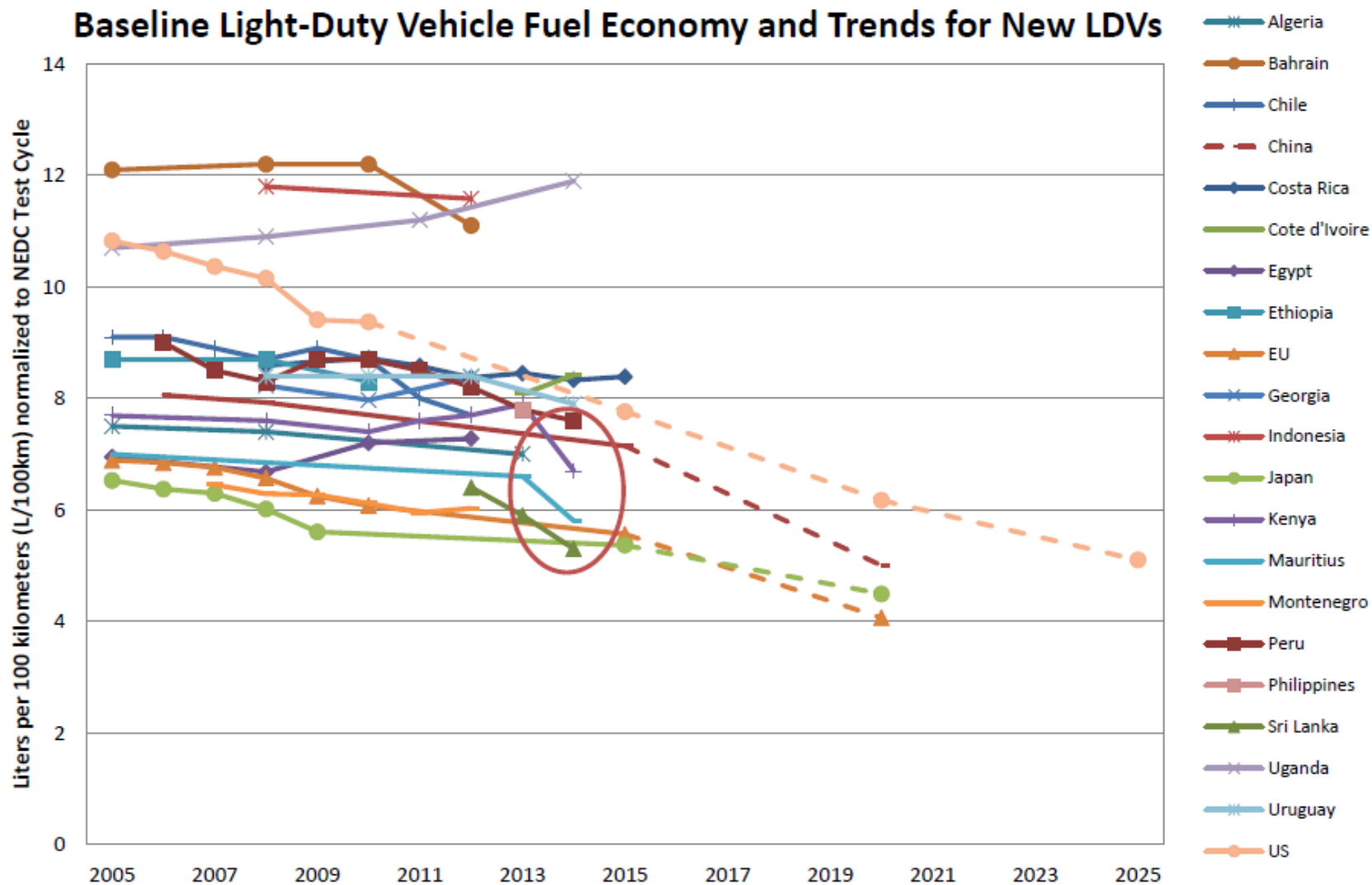
Comparison of fuel economy with global average (LDV only) (L/100 km)

	2005	2008	2011	2013	2014
Global Average	8.07	7.67	7.2	7.1	-
OECD Average	8.1	7.6	7.0	6.9	-
Non OECD Average	7.8	7.6	7.5	7.2	-
Mauritius	7.0	-	-	6.6	5.8

- Source GFEI presentation (Malawi)

Fuel economy policies can work substantially

Baseline Light-Duty Vehicle Fuel Economy and Trends for New LDVs



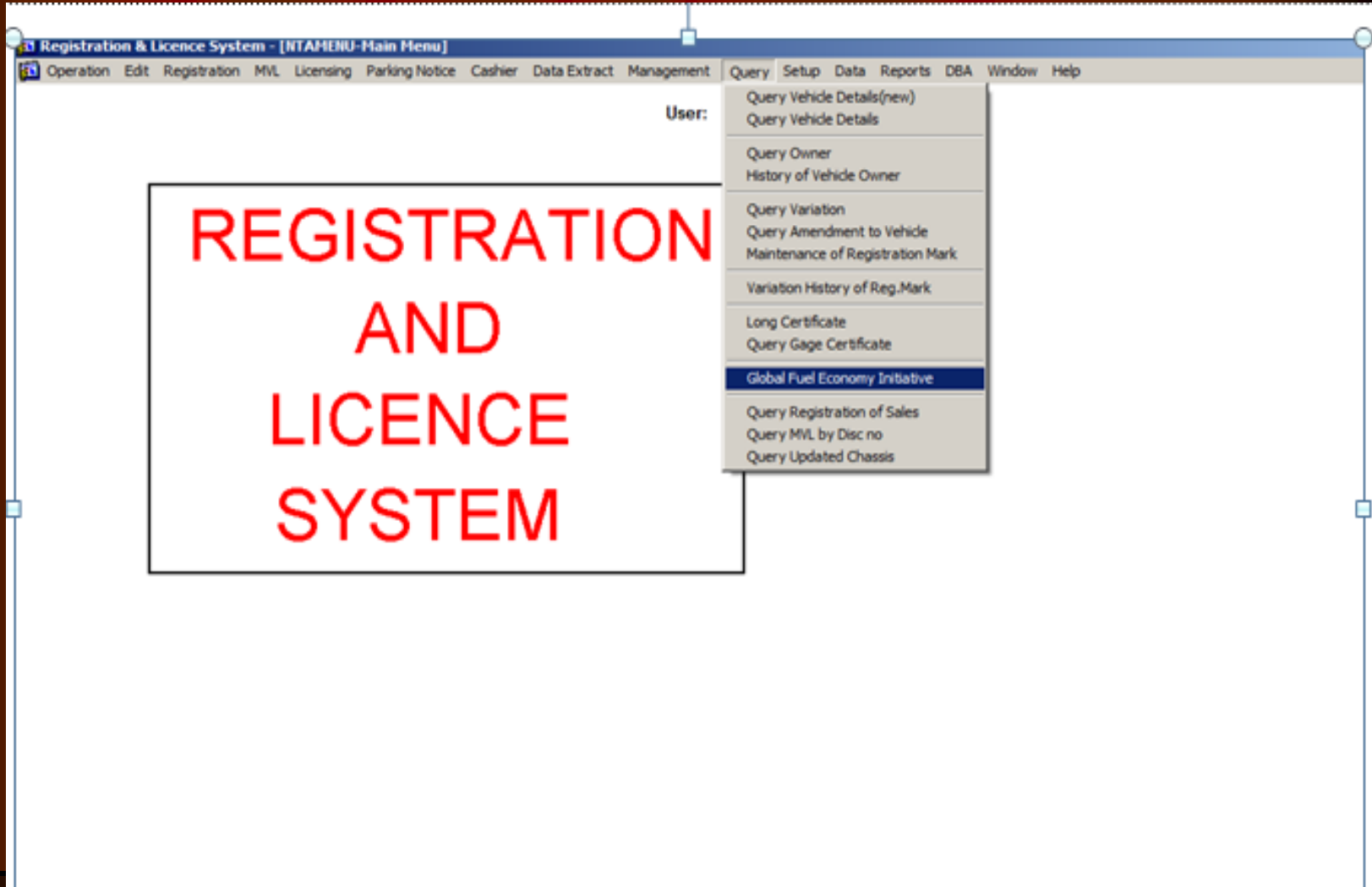
Source: UNEP, 2017 (unpublished).

Development of a Data Entry Tool

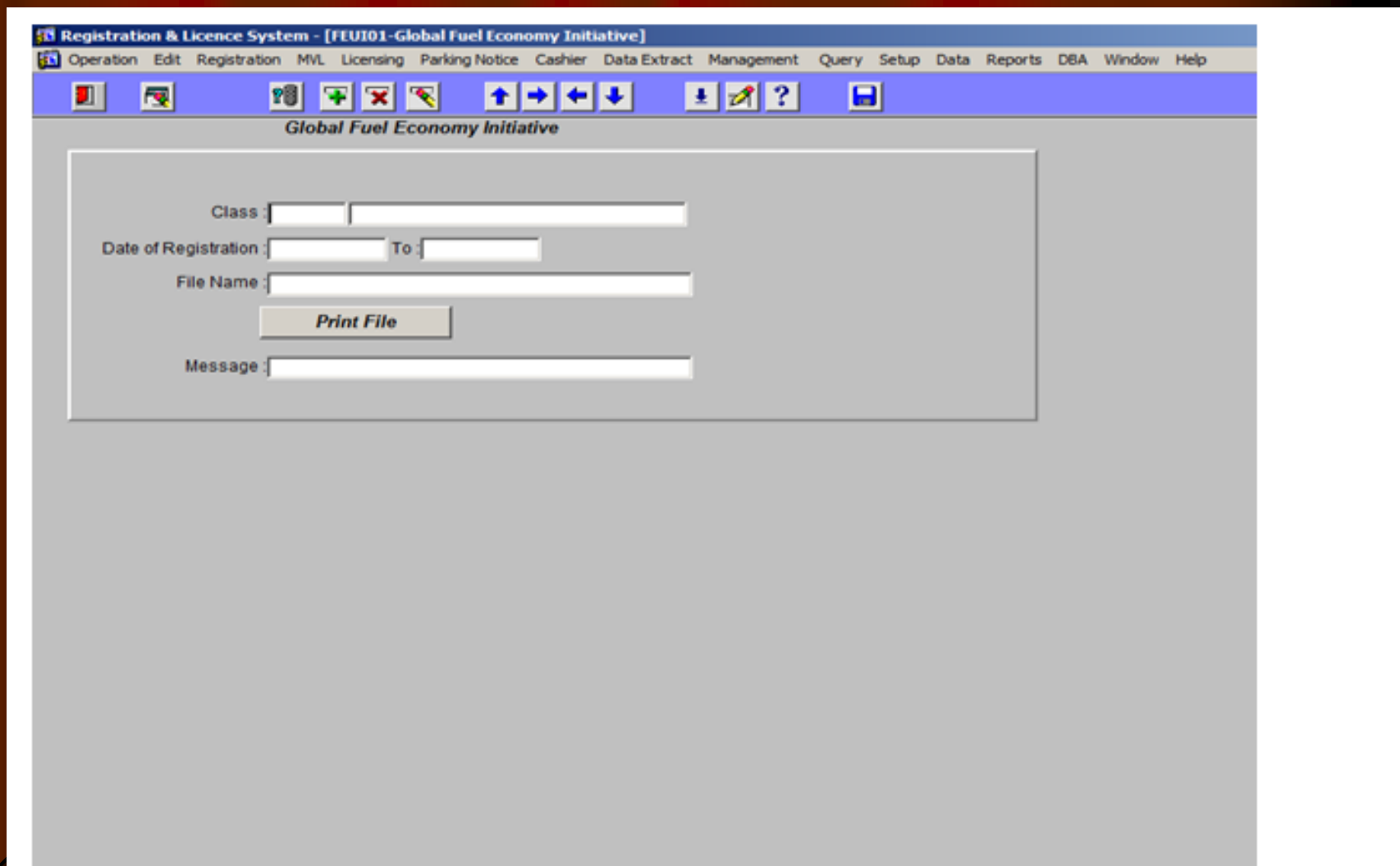
- NTA database provides detailed information on all vehicles registered
- During Phase 1 of the Inventory –
 - Additional function developed in vehicle registration software in format required for GFEI inventory
 - This function enable the registered vehicles to be clustered by make, model, engine capacity, Country of origin, new or second hand, fuel type etc.
 - This information was generated on MS Excel
 - Fuel Economy and Co₂ Emission data were sought for each cluster of vehicles to constitute the Inventory

THE PROCESS STEPWISE

Step 1: On the Registration and Licence System menu of the vehicle registration system, go to the Query tab and click on Global Fuel Economy Initiative from the dropdown row.



Step 2: Once in the Global Fuel Economy Initiative menu, type in the Class of vehicle and the year bracket on the Date of Registration fields.

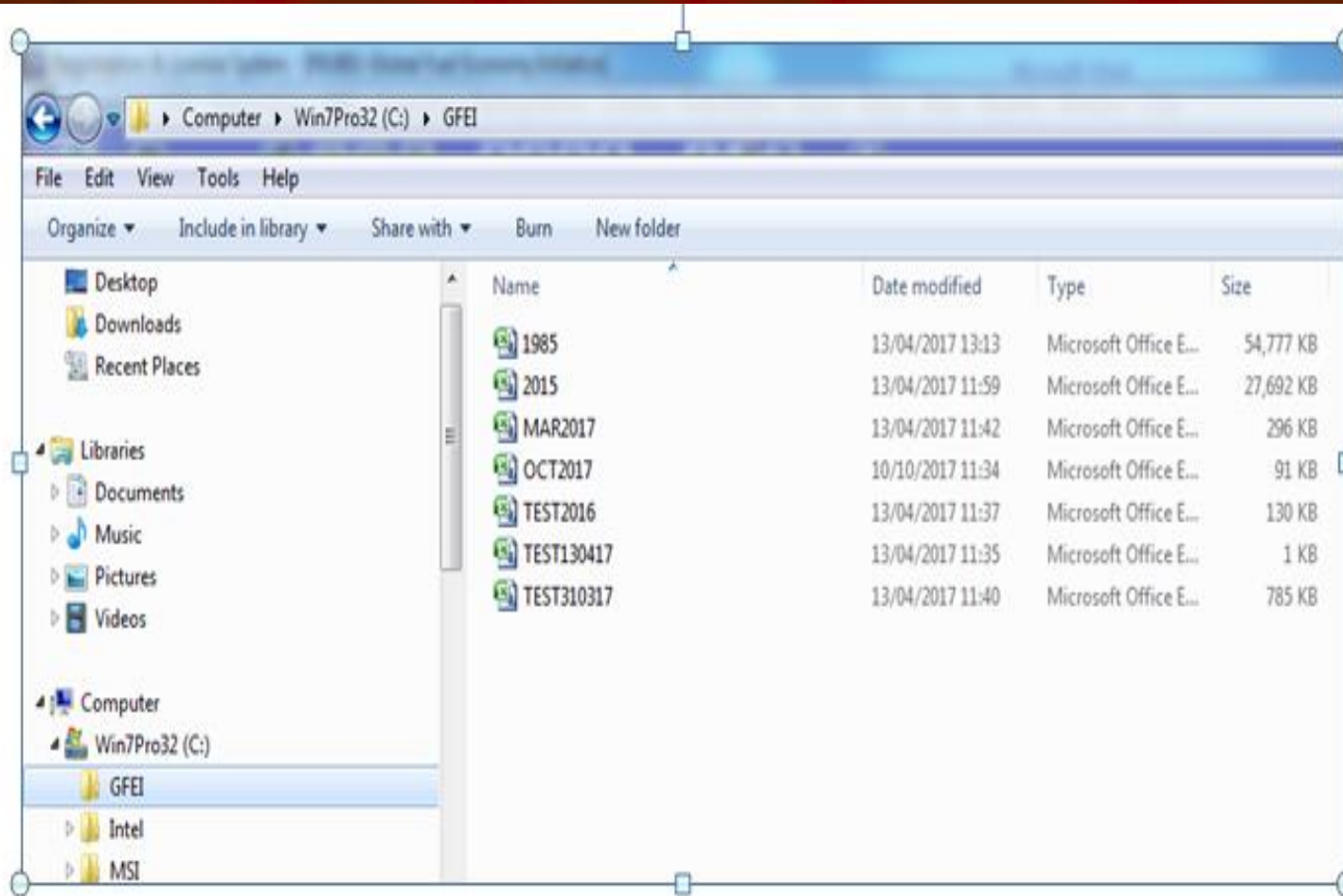


The screenshot shows a web application interface for the "Registration & Licence System - [FEUI01-Global Fuel Economy Initiative]". The interface includes a menu bar with options: Operation, Edit, Registration, MVL, Licensing, Parking Notice, Cashier, Data Extract, Management, Query, Setup, Data, Reports, DBA, Window, and Help. Below the menu bar is a toolbar with various icons for navigation and actions. The main content area is titled "Global Fuel Economy Initiative" and contains a form with the following fields:

- Class :
- Date of Registration : To :
- File Name :
-
- Message :

Global Fuel Economy Initiative menu within the NTA vehicle registration system

Step 3: Click on the File Name field to open the GFEI folder to select the required Common Separated Values (CSV) file and year bracket



GFEI folder containing CSV files

1975-2013.csv - Microsoft Excel

Home Insert Page Layout Formulas Data Review View

Calibri 11 A A Wrap Text General

Font Paragraph Alignment Number Styles Cells Editing

E7 TWO WHEELER

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Class	Make	Model	Color	Body	Contry of	Year of M	Rating	Fuel Type	Load	Tare	Axle	Chassis	RegMark	Original R	Reg Date	New/SH
2	AUTOCYCL	PEUGEOT	102	WHITE	TWO WHE	FRANCE		49	PETROL			2	6363116		1-Jan-75	1-Jan-75	NEW
3	AUTOCYCL	PEUGEOT	154LVS	SILVER	TWO WHE	FRANCE		49	PETROL			2	185599	9466	1-Jan-75	1-Jan-75	NEW
4	AUTOCYCL	PEUGEOT	NA	YELLOW	TWO WHE	FRANCE		49	PETROL			2	7120218	AG758	1-Jan-75	1-Jan-75	NEW
5	AUTOCYCL	PEUGEOT	NA	YELLOW	TWO WHE	FRANCE		49	PETROL			2	738668	5531	1-Jan-75	1-Jan-75	NEW
6	AUTOCYCL	YAMAHA	FSIE	RED	TWO WHE	INDIA		49	PETROL			2	2A900114	6073	1-Jan-75	1-Jan-75	NEW
7	AUTOCYCL	YAMAHA	NA	BLACK	TWO WHE	INDIA		49	PETROL			2	115-00014	1542	1-Jan-75	1-Jan-75	NEW
8	AUTOCYCL	YAMAHA	NA	RED	TWO WHE	JAPAN		49	PETROL			2	2A900646	12082A75	1-Jan-75	1-Jan-75	NEW
9	AUTOCYCL	YAMAHA	S550	DEEP RED	TWO WHE	INDIA		49	PETROL			2	59901000	6093	1-Jan-75	1-Jan-75	NEW
10	AUTOCYCL	YAMAHA	S550	RED	TWO WHE	UNKNOWN		49	PETROL		70	2	2A900018	AP553	1-Jan-75	1-Jan-75	NEW
11	DUAL PUR	TOYOTA	CORONA	BLUE	REFER TO	JAPAN		1968	PETROL	425	1125	2	19542	AX995	1-Jan-75	1-Jan-75	NEW
12	GOODS VE	BEDFORD	J6	RED	TRUCK	ENGLAND		5420	DIESEL	6000	3760	2	77209243	AN651	1-Jan-75	1-Jan-75	NEW
13	GOODS VE	FIAT	NA	GREEN	TRUCK	ITALY		7000	DIESEL	6	5765	2	8005263	7277	1-Jan-75	1-Jan-75	NEW
14	GOODS VE	LEYLAND	NA	BLUE	TRUCK	ENGLAND		3800	DIESEL	3030	2560	2	483680	7285	1-Jan-75	1-Jan-75	NEW
15	GOODS VE	LOCAL	NA	ANY OTHE	TRUCK	UNKNOWN		2369	DIESEL	2270	1930	2	9830090	9560	1-Jan-75	1-Jan-75	NEW
16	GOODS VE	N.A	N.A	YELLOW	REFER TO	UNKNOWN		4646	DIESEL	10520	11480	2	BM128-00	5615	1-Jan-75	1-Jan-75	NEW

Sample vehicle data stored within CSV file of 1975-2013 . The CSV files store tabular data for all types of vehicles as shown above. It is noted that fuel consumption and CO₂ emission fields are missing.

Step 4: Once the selected CSV file is imported in the DET software, press the Print File button on the Global Fuel Economy Initiative menu at Step 2. This will generate the vehicle data sheet in MS Excel as shown below.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Class	Make	Model	Color	Body	Contry of	Year of M	Rating	Fuel Type	Load	Tare	Axle	Chassis	RegMark	Original Reg Date	Reg Date
2	AUTOCYCLE	PEUGEOT	102	WHITE	TWO WHE	FRANCE		49	PETROL			2	6363116		1-Jan-75	1-Jan-75
3	AUTOCYCLE	PEUGEOT	154LV5	SILVER	TWO WHE	FRANCE		49	PETROL			2	185599	9466	1-Jan-75	1-Jan-75
4	AUTOCYCLE	PEUGEOT	NA	YELLOW	TWO WHE	FRANCE		49	PETROL			2	7120218	AS758	1-Jan-75	1-Jan-75
5	AUTOCYCLE	PEUGEOT	NA	YELLOW	TWO WHE	FRANCE		49	PETROL			2	738668	5531	1-Jan-75	1-Jan-75
6	AUTOCYCLE	YAMAHA	FSIE	RED	TWO WHE	INDIA		49	PETROL			2	2A8100114	6073	1-Jan-75	1-Jan-75
7	AUTOCYCLE	YAMAHA	NA	BLACK	TWO WHE	INDIA		49	PETROL			2	US-000140	1542	1-Jan-75	1-Jan-75
8	AUTOCYCLE	YAMAHA	NA	RED	TWO WHE	JAPAN		49	PETROL			2	2A800646	12092A75	1-Jan-75	1-Jan-75
9	AUTOCYCLE	YAMAHA	SS50	DEEP RED	TWO WHE	INDIA		49	PETROL			2	599102000	6093	1-Jan-75	1-Jan-75
10	AUTOCYCLE	YAMAHA	SS50	RED	TWO WHE	UNKNOWN		49	PETROL		70	2	2A800018	AP553	1-Jan-75	1-Jan-75
11	DUAL PUR	TOYOTA	CORONA	BLUE	REFER TO	JAPAN		1968	PETROL	425	1125	2	59542	AX095	1-Jan-75	1-Jan-75
12	GOODS VE	BEDFORD	J6	RED	TRUCK	ENGLAND		5420	DIESEL	6000	3760	2	7T209243	AN651	1-Jan-75	1-Jan-75
13	GOODS VE	FIAT	NA	GREEN	TRUCK	ITALY		7000	DIESEL	6	5765	2	8005263	7277	1-Jan-75	1-Jan-75
14	GOODS VE	LEYLAND	NA	BLUE	TRUCK	ENGLAND		3800	DIESEL	3030	2560	2	483680	7285	1-Jan-75	1-Jan-75
15	GOODS VE	LOCAL	NA	ANY OTHE	TRUCK	UNKNOWN		2369	DIESEL	2270	1930	2	9830090	9560	1-Jan-75	1-Jan-75
16	GOODS VE	N.A.	N.A.	YELLOW	REFER TO	UNKNOWN		4646	DIESEL	10520	11480	2	8M128-00	5635	1-Jan-75	1-Jan-75

Sample of data collected after extracting into MS Excel format.

Sample of registration data for vehicles

Class	Make	Model	Color	Body Type	Country of Manufacture	Rating	MGW (Kg)	Reg Date	Condition	Fuel Type	Load	Tare	Axle	Chassis	RegMark	Original Reg Date	Pivot group	No of Vehicle	CO ₂ Emission (g/Km)	Fuel Consumption (L/100Km)
AUTOCYCLE	APRILIA	RS 50	YELLOW / GREY	TWO WHEELER	ITALY	50	89	2002	SH	PETROL	89		2	00130285	4166AZ	15-Jun-15	1	1		
AUTOCYCLE	APRILIA	5X50	WHITE	TWO WHEELER	ITALY	50	101	2015	NEW	PETROL	101		2	00133F51	6565AA	10-Nov-15	3	1	60.3	2.1
AUTOCYCLE	ARDOUR	JF50QT-23	BLUE	TWO WHEELER	CHINA	50	90	2015	NEW	PETROL	90		2	1R09D1E	6402AA	30-Oct-15	1	1	144.2	5.8
AUTOCYCLE	BAOTIAN	BT49QT-12CE3	ORANGE & BLACK	TWO WHEELER	CHINA	49	90	2015	NEW	PETROL	90		2	APC2E12	3663AA	4-Jun-15	12	1	144.2	5.8
AUTOCYCLE	BAOTIAN	BT50-2	BLACK	TWO WHEELER	CHINA	50	90	2015	NEW	PETROL	90		2	2E-09	4833AA	31-Jul-15	1	1	144.2	5.8
AUTOCYCLE	CYGNET 2	SCOOTER	BLUE	TWO WHEELER	CHINA	50	103	2015	NEW	PETROL	103		2	JD16E1G	1135AA	13-Feb-15	1	1		
AUTOCYCLE	DAFIER	STM 50	BLACK	TWO WHEELER	CHINA	50	100	2015	NEW	PETROL	100		2	21C9E1V	40AA	5-Jun-15	1	1	144.2	5.8
AUTOCYCLE	DAYANG	DY50QT	RED	TWO WHEELER	CHINA	49	83	2015	NEW	PETROL	83		2	BPV181C	4660AA	20-Jul-15	1	1		
AUTOCYCLE	DAYANG	DY50QT-3	RED	TWO WHEELER	CHINA	49	83	2015	NEW	PETROL	83		2	BPV381C	4298AA	2-Jul-15	2	1		
AUTOCYCLE	DELTA	AVATAR 50	BLACK	TWO WHEELER	CHINA	50	86	2015	NEW	PETROL	86		2	FLA014K	91AA	6-Jun-15	10	1	144	5.8
AUTOCYCLE	DELTA	DT50	BLUE	TWO WHEELER	CHINA	50	78	2015	NEW	PETROL	78		2	A0014080	85AA	6-Jun-15	7	1	144	5.8
AUTOCYCLE	DELTA	DT50-6F	RED	TWO WHEELER	CHINA	50	88	2015	NEW	PETROL	88		2	BLA6EB4	148AA	7-Jun-15	45	1	144	5.8
AUTOCYCLE	DELTA	LUCAS 50	BLUE	TWO WHEELER	CHINA	50	88	2015	NEW	PETROL	88		2	CB16GER	306AA	12-Jan-15	6	1	144	5.8
AUTOCYCLE	DELTA	NICE 50	BLACK	TWO WHEELER	CHINA	50	88	2015	NEW	PETROL	88		2	CB10TE0	88AA	6-Jun-15	78	1	144	5.8
AUTOCYCLE	DELTA	Q50	BLUE	TWO WHEELER	CHINA	50	78	2015	NEW	PETROL	78		2	A0014080	71AA	5-Jun-15	44	1	144	5.8
AUTOCYCLE	DELTA	R58-50	BLACK	TWO WHEELER	CHINA	50	88	2015	NEW	PETROL	88		2	FB420DR	149AA	7-Jun-15	5	1	144	5.8
AUTOCYCLE	DELTA	YAMA 50	ORANGE	TWO WHEELER	CHINA	50	88	2015	NEW	PETROL	88		2	CG311ER	775AA	28-Jan-15	4	1	144	5.8
AUTOCYCLE	DERBI	BOULEVARD 50	BLACK	TWO WHEELER	CHINA	49	90	2015	NEW	PETROL	90		2	51A1AE4	698AA	26-Jan-15	24	1	55.6	2
AUTOCYCLE	DERBI	BOULEVARD NMS50	BLACK	TWO WHEELER	CHINA	50	90	2015	NEW	PETROL	90		2	51A1AC4	98AA	7-Jun-15	1	1	55.6	2
AUTOCYCLE	DERBI	SENDA SM XTREM 50	BLACK	TWO WHEELER	CHINA	50	90	2015	NEW	PETROL	90		2	5B010E3	1441AA	27-Feb-15	1	1	55.6	2
AUTOCYCLE	DERBI	SENDA XTREM 50 SM	BLACK	TWO WHEELER	ITALY	50	90	2015	NEW	PETROL	90		2	5B010E3	7148AA	14-Dec-15	1	1	55.6	2
AUTOCYCLE	DERBI	SENDA XTREME 50 SM	BLACK	TWO WHEELER	ITALY	50	90	2015	NEW	PETROL	90		2	5B010E3	5970AA	6-Oct-15	2	1	55.6	2
AUTOCYCLE	FERANO	FK 50-3F	BLACK	TWO WHEELER	CHINA	50	105	2015	NEW	PETROL	105		2	BLA3FB	5020AA	10-Aug-15	18	1	144.2	5.8
AUTOCYCLE	FERANO	FK 50-3F	SILVER	TWO WHEELER	CHINA	50	105	2015	NEW	PETROL	105		2	BLB6EB	455AA	16-Jan-15	15	1	144.2	5.8
AUTOCYCLE	FORZA	FORZA 50	BLACK	TWO WHEELER	CHINA	50	90	2015	NEW	PETROL	90		2	CALFWF0	4985AA	7-Aug-15	5	1	144.2	5.8

Further Enhancement of Software

- The data entry tool is being further enhanced
- Two additional fields are being provided – one for fuel economy and one for Co₂ Emissions.
- Vehicle importers and dealers to supply mandatorily fuel economy and Co₂ Emission data for all new and second hand vehicles being registered for first time in Mauritius.
- Information keyed in when vehicle being registered
- Software also being enhanced to capture in-use vehicle emission data from periodic vehicle roadworthiness test.
- Accurate fuel economy Co₂ emission data available both for vehicle inventory and other climate change reporting needs.

THANK YOU