

Breakout Session: Total Cost of Ownership for Cost Allocation

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Introduction Who am I?



- Group check – exercise
- Introduction CAT Tool – Cost Allocation and Planning based on TCO
 - Questions and Answers
- Exercise CAT Tool
 - Questions and Answers
- Feedback session – to discuss

Get your phones out!



Go to: kahoot.it

Enter game pin (will be on the screen in a few seconds)



Recap: TCO, Allocation & Usage

Fleet Managers

Fleet Cost Allocation

Total Cost of Ownership



Credit image: mbaskool.com

***Rented versus
Owned vehicles***

Quantifying usage

- ***By fuel consumption***
- ***By days in use***
- ***By mileage***
- ***Random estimates***

Introduction CAT Tool



Introduction CAT

CAT Tool - Fleet Forum



START CAT - Cost Allocation & Attribution Tool

Save as PDF

press Ctrl+p to
save as PDF

Date today

05.06.2018

Name of the
organisation

PANIRO

Currency

EUR

Country

Reporting Year

2017

Add Project and Programmes

Project Name

Project Code

Start date

End Date

Add project to list

please use the format: dd-mm-yyyy

or press Ctrl+s to add project to list

Project Code	Project Name	Active?	Country	Start date	End Date
PC012	Malaria Eradication	ACTIVE		01.01.2016	31.12.2020
PC023	Leprosy Awareness	ACTIVE		01.08.2016	31.07.2019
PC046	Malnutrition	ACTIVE		01.01.2017	31.12.2019

Delete last row of data

or press Ctrl+q to delete last row

Start CAT

Entry Acquisition Costs

Entry Fleet Operational Cost

Entry Utilization

Allocation Report

Budgeting ...


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Introduction CAT



[Save as PDF](#)
press Ctrl+p to
save as PDF

Entry Acquisition Costs

Type of Vehicle

Date of Fleet Entry
please use the format: dd-mm-yyyy

Number of vehicles vehicles

Type of depreciation

Depreciation period years

Total costs

Vehicle Purchase Cost

Registration Cost

Currency

International or Locally purchased?

ONLY If Internationally Purchased

Import Cost

Freight Cost

[Add to registration](#)
or press Ctrl+a to add vehicles to registration

[Delete last row of data](#)
or press Ctrl+w to delete last row

Type of Vehicle <input type="text"/>	Number of vehicle <input type="text"/>	Date of Fleet Entry <input type="text"/>	Internationally / Locally Purchased <input type="text"/>	Total Acquisition Cost <input type="text"/>	Acquisition Cost per vehicle per Year <input type="text"/>	Currency <input type="text"/>	Vehicle Purchase Cost <input type="text"/>

[Start CAT](#)

Entry Acquisition Costs


[Entry Fleet Operational Cost](#)

[Entry Utilization](#)

[Allocation Report](#)

[Budgeting ...](#)

Introduction CAT



Entry Fleet Operational Cost

Save as PDF

press Ctrl+p to
save as PDF

Vehicle Cost

Type of Vehicle	
Reporting Year	2017
Currency	EUR
Fuel cost (total)	
Fuel cost	

Maintenance & Repair

Tyre cost		EUR
Maintenance cost		EUR
Repair cost		EUR
Breakdown cover cost		EUR

Other

Toll cost		EUR
Tracking cost		EUR
Yearly Licensing cost		EUR
Insurance cost		EUR
Other Vehicle cost		EUR

Add Vehicle Operational Cost

or press Ctrl+o to add vehicle operational cost

HR Cost

Reporting year

2017

Currency

EUR

Driver Salary	
Per Diem	
Training	

Administration	
Social Security	
Other HR Cost	

Add HR Cost

or press Ctrl+h to add HR cost

Start CAT

Entry Acquisition Costs

Entry Fleet Operational Cost

Entry Utilization

Allocation Report

Budgeting ...

Introduction CAT

Save as PDF

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Entry Utilization

Project Code

Vehicle Type

Project Name

Mileage (km)

Days in use (days)

Reporting Year

Add Vehicle utilization data to project

or press Ctrl+u to add vehicle utilization data to project

Delete last row of data

or press Ctrl+y to delete last row

Project Code

Project Name

Reporting year

Type of Vehicle

Mileage

days in use

Introduction CAT



Allocation Report

creation date: 04.06.2018

Save as PDF

or press Ctrl+p
to save as PDF

Reporting
year

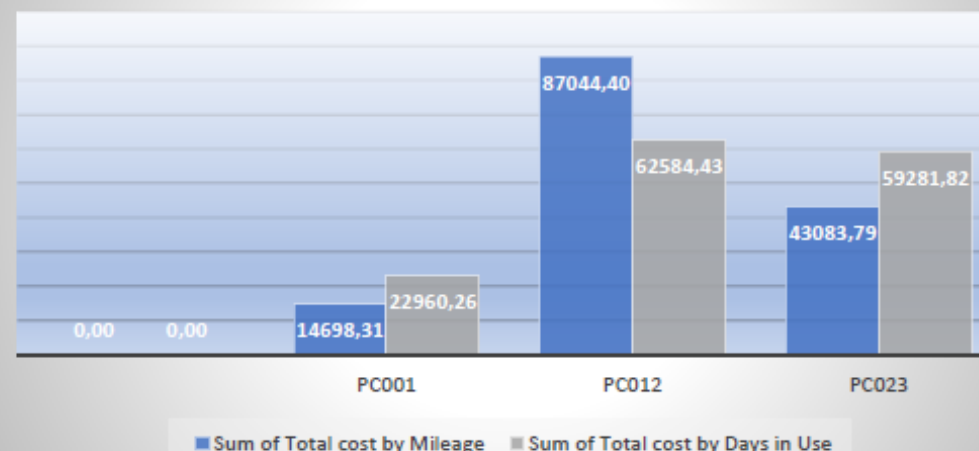
2017

Generate Report /Refresh

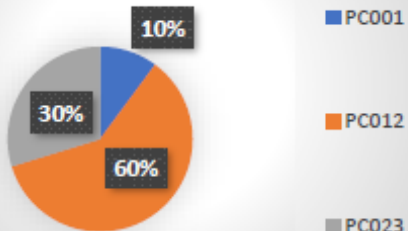
or press Ctrl+r to generate/refresh

	Sum of Total cost by Mileage	Sum of Total cost by Days in Use
PC001	14698,31	22960,26
PC012	87044,40	62584,43
PC023	43083,79	59281,82
Grand Total	144826,50	144826,50

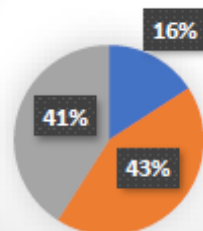
Overview Cost per project in mileage & days



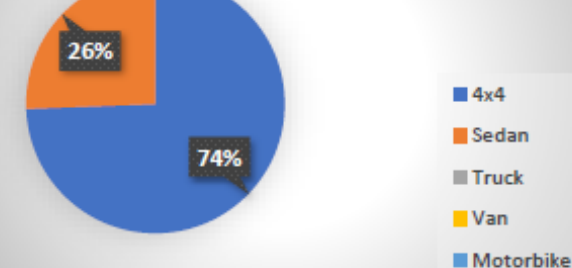
Total cost per project
by Mileage




Total cost per project
by Days in Use



Percentage of cost
per vehicle type



Introduction CAT



Budgeting & Planning

Plan/Budget year: **2018**

1.

4x4	Mileage	<input type="text" value="23000"/>	km	Days in use	<input type="text" value="200"/>	days
Sedan	Mileage	<input type="text" value="12300"/>	km	Days in use	<input type="text" value="100"/>	days
Truck	Mileage	<input type="text" value="50000"/>	km	Days in use	<input type="text" value="50"/>	days
Van	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days
Motorbike	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days

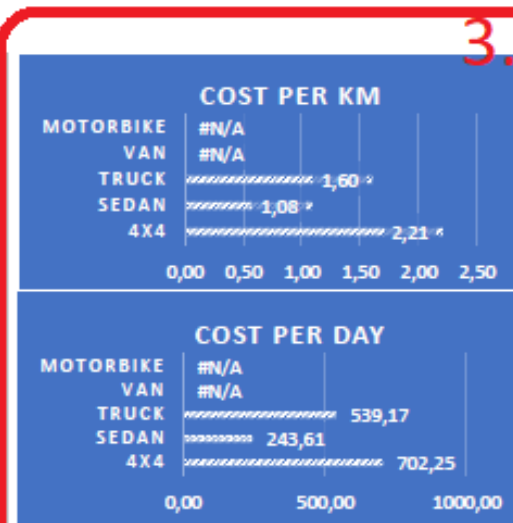
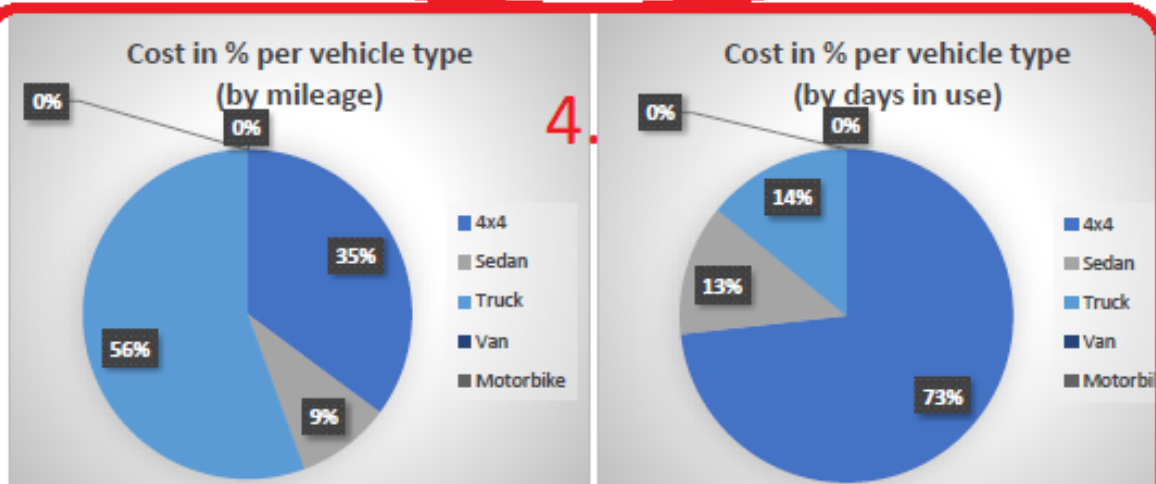
creation date: 17.05.2018

Save as PDF or press Ctrl+P to save as PDF

2.

Total Cost for planning year: 2018

Vehicle Type	Cost (by mileage)	Cost (by days in use)
4x4	50715,40	140450,02
Sedan	13343,90	24360,85
Truck	80158,18	26958,67
Van		
Motorbike		
Total	144217,47	191769,54



Introduction CAT Exercise

Case description: you are the Fleet Manager of the NGO PANIRO. PANIRO has three programmes in the country.

Please calculate

1. the fleet cost of PC046: the Malnutrition Programme
2. The fleet cost of the forthcoming cholera response, to be used in the funding request

1. Acquisition Cost Fleet PANIRO

4x4	Date of Purchase	Internationally /Locally	Purchase cost	Registration Cost	Import Cost	Transport Cost	TOTAL
Vehicle #1 4x4	01.01.2014	Locally	32.500	2.000			34.500
Vehicle #2 4x4	06.12.2016	Internationally	39.000	2.000	3.200	2.900	47.100
Vehicle #3 4x4	01.07.2014	Locally	33.000	2.000			35.000
Vehicle #4 4x4	01.08.2015	Internationally	43.500	2.000	3.200	2.500	51.200
Vehicle #5 4x4	01.08.2015	Internationally	43.500	2.000	3.200	2.500	51.200
TOTAL 4x4			191.500	10.000	9600	7.900	219.000
Sedan							
Sedan#1	01.02.2015	Locally	15.500	1.500			17.000
Sedan#2	01.02.2015	Locally	15.500	1.500			17.000
Sedan#3	01.02.2015	Locally	15.500	1.500			17.000
TOTAL Sedans			46.500	4.500			51.000

2. Vehicle Operational Cost 2017 Fleet PANIRO

4x4	Fuel Cost	Maintenance Cost	Repair Cost	Breakdown cover Cost	Tyre cost	Insurance cost	Toll	Licensing Cost	Fines	Tracking cost
Vehicle #1 4x4	750	660	500	0	0	110	55	1200	0	600
Vehicle #2 4x4	1500	660	7500	1250	3125	110	110	1200	0	600
Vehicle #3 4x4	1046	1320	850	125	3125	110	110	1200	135	600
Vehicle #4 4x4	765	660	2773	430	0	110	55	1200	0	600
Vehicle #5 4x4	1575	1040	2238	0	1562,5	110	55	1200	0	600
TOTAL 4x4	5636	4340	13861	1805	7812,5	550	385	6000	135	3000
Sedan										
Sedan#1	206	356	0	0	0	110	0	300	0	300
Sedan#2	411	330	536	50	295	110	0	300	0	300
Sedan#3	192	330	100	0	0	110	0	300	250	300
TOTAL Sedans	809	1016	636	50	295	330	0	900	250	900

3. HR Operational Cost 2017 Fleet PANIRO

Driver Salary	96000		Administration	9600
Per Diem	3000		Social Security	3840
Training	2000		Other HR Cost	1200

4. Utilization of Fleet 2017 Fleet PANIRO

	PC001		PC012		PC023		PC046		TOTAL	
4x4	Mileage	Days	Mileage	Days	Mileage	Days	Mileage	Days	Mileage	Days
Vehicle #1 4x4	650	34	2950	30	2312	92	6338	107	12250	263
Vehicle #2 4x4	0	0	3567	43	2523	114	3660	70	9750	227
Vehicle #3 4x4	55	2	5836	63	2658	122	15876	167	24425	354
Vehicle #4 4x4	278	24	8890	196	1134	90	1698	23	12000	333
Vehicle #5 4x4	560	42	6932	154	3234	144	5024	74	15750	414
TOTAL 4x4	1543	102	28175	486	11861	562	32596	441	74175	1591
Sedan	Mileage	Days	Mileage	Days	Mileage	Days	Mileage	Days	Mileage	Days
Sedan#1	1746	87	1460	55	534	21	2660	89	6400	252
Sedan#2	234	9	2723	76	987	26	7256	165	11200	276
Sedan#3	899	15	0		0		5501	141	6400	156
TOTAL Sedans	2879	111	4183	131	1521	47	15417	395	24000	684

Time to play: CAT Exercise of PANIRO



CAT Exercise: Allocation Report

Allocation Report

creation date: 04.06.2018

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to save as PDF

Reporting
year

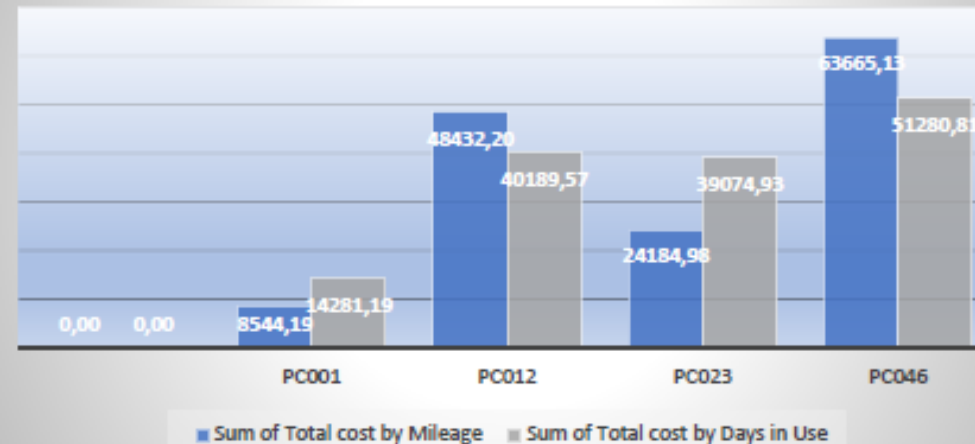
2017

Generate Report /Refresh

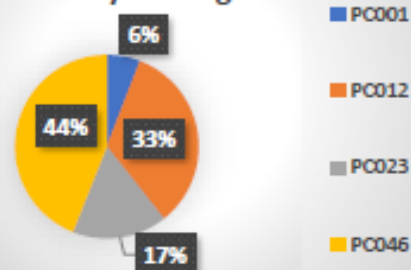
or press Ctrl+r to generate/refresh

	Sum of Total cost by Mileage	Sum of Total cost by Days in Use
PC001	8544,19	14281,19
PC012	48432,20	40189,57
PC023	24184,98	39074,93
PC046	63665,13	51280,81
Grand Total	144826,50	144826,50

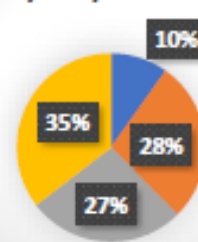
Overview Cost per project in mileage & days



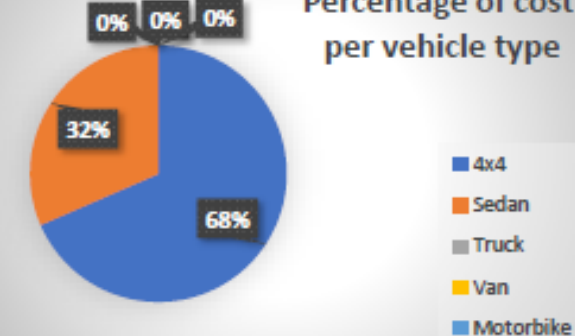
Total cost per project
by Mileage




Total cost per project
by Days in Use



Percentage of cost
per vehicle type



CAT Exercise: Budgeting and Planning



Budgeting & Planning

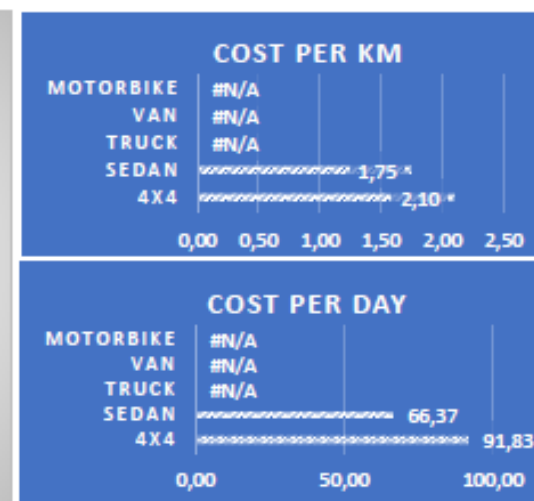
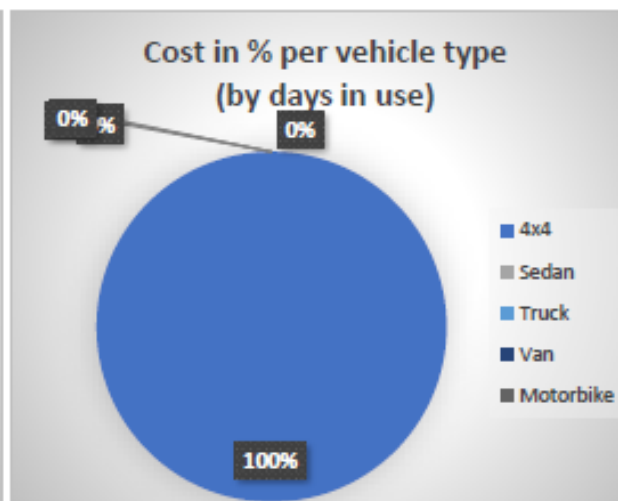
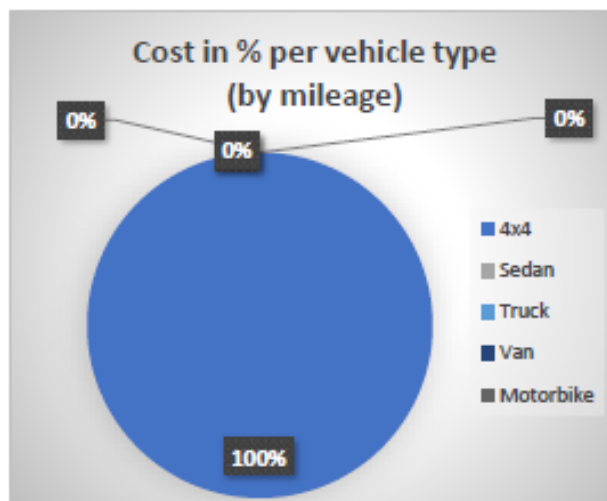
Plan/Budget year: **2018**

4x4	Mileage	<input type="text" value="12500"/>	km	Days in use	<input type="text" value="210"/>	days
Sedan	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days
Truck	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days
Van	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days
Motorbike	Mileage	<input type="text"/>	km	Days in use	<input type="text"/>	days

creation date: 31.05.2018
Save as PDF or press Ctrl+p to save as PDF

Total Cost for planning year: 2018

Vehicle Type	Cost (by mileage)	Cost (by days in use)
4x4	26215,13	19284,38
Sedan		
Truck		
Van		
Motorbike		
Total	26215,13	19284,38



CAT Exercise: Budgeting and Planning



Allocation Report EXAMPLE question 4

creation date: 04.06.2018

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to save as PDF

Reporting
year

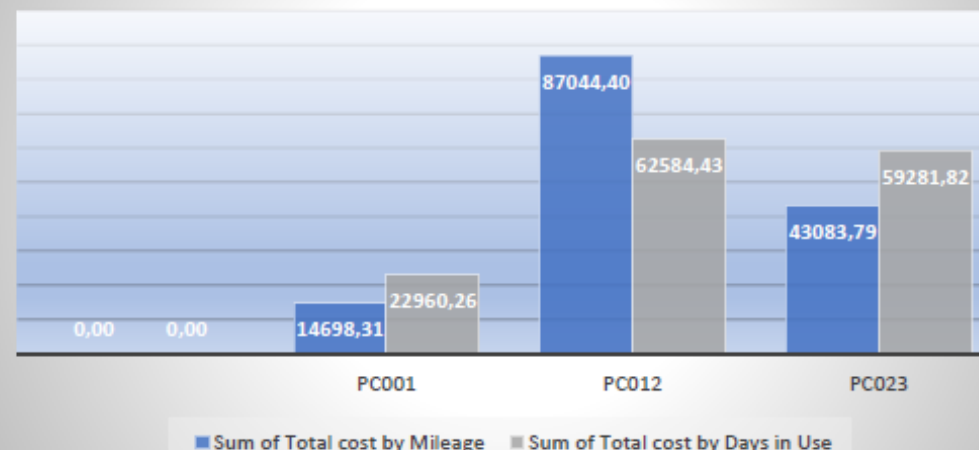
2017

Generate Report /Refresh

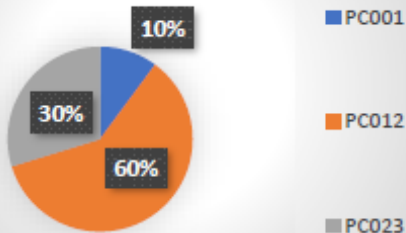
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	Sum of Total cost by Mileage	Sum of Total cost by Days in Use
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PC012	87044,40	62584,43
PC023	43083,79	59281,82
Grand Total	144826,50	144826,50

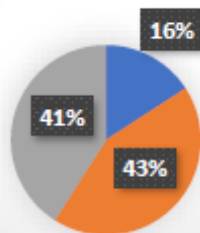
Overview Cost per project in mileage & days



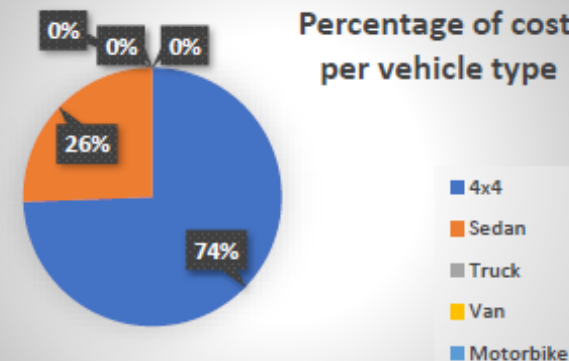
Total cost per project
by Mileage



Total cost per project
by Days in Use



Percentage of cost
per vehicle type



Feedback & Questions



"There are no stupid questions, so let's also
agree there are no stupid answers."



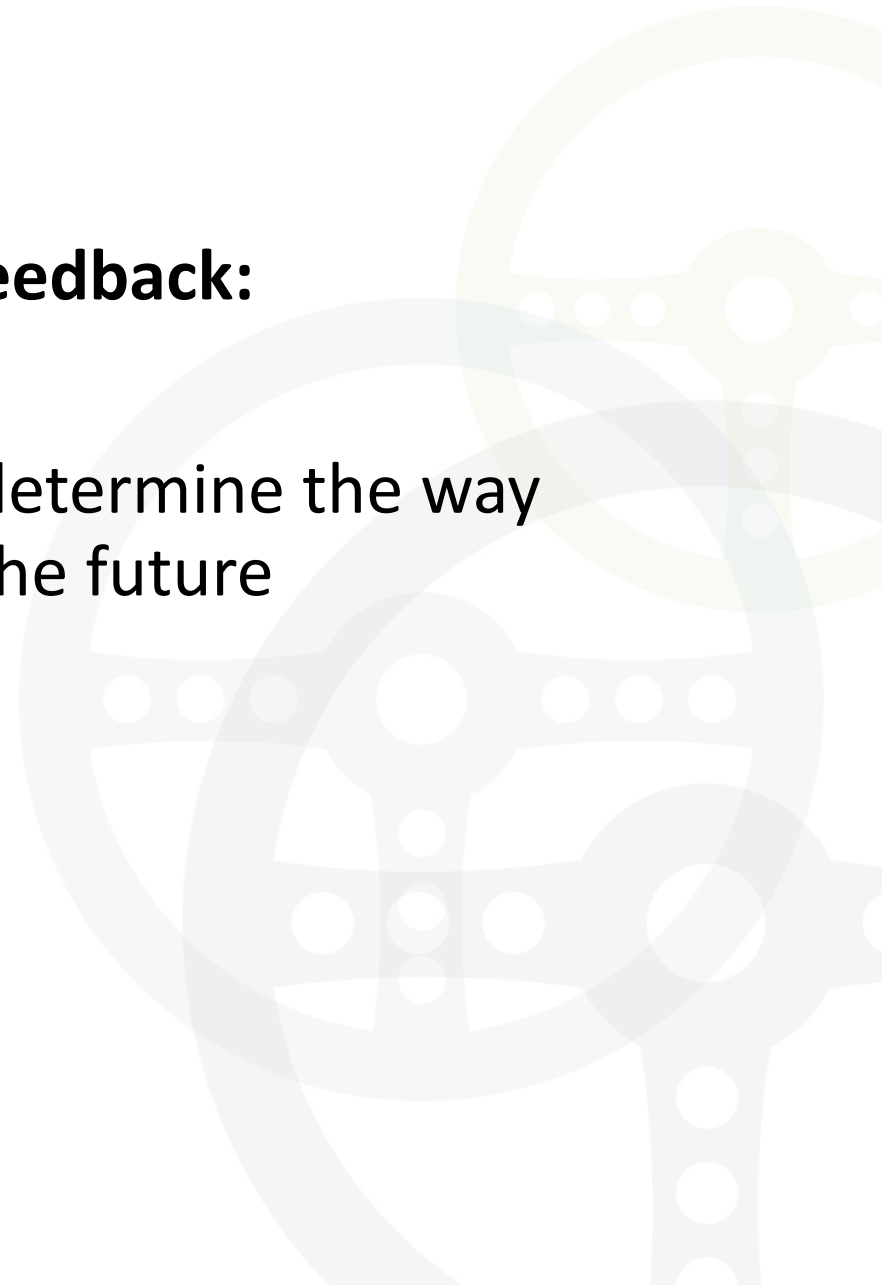
What is next?

Forthcoming session:

Fleet Forum's CAT tool webinar to take place at the 19th of June
time TBC

Testing & Feedback:

Enables to determine the way forward in the future



Thank you very much!

