

**Comparison between two different option
(buying every 10 or 5 year a new car)**

People/ cars	Purchase year	Years use	km/ year	Emission equivalent value for the whole life car [1]
A				
Car 1	1980	10	10.000	15.608
Car 2	1990	10	10.000	12.941
Car 3	2000	10	10.000	11.139
Car 4	2010	10	10.000	9.840
Tot.				49.529
B				
Car 1	1980	5	10.000	8.719
Car 2	1985	5	10.000	7.981
Car 3	1990	5	10.000	7.386
Car 4	1995	5	10.000	6.895
Car 5	2000	5	10.000	6.485
Car 6	2005	5	10.000	6.136
Car 7	2010	5	10.000	5.835
Tot.				49.436

Efficiency gain over the years (estimate based on [2])

Manufacturing year	Efficiency gain	km/l
1980	100	7,3
1985	112	8,1
1990	124	9,0
1995	136	9,9
2000	148	10,7
2005	160	11,6
2010	172	12,5
2015	184	13,4

[1] Based on the Carnegie Mellon Un. study, cited here: <http://bit.ly/1VulfJD>

[2] Based on the Knittel's study cited here: <http://bit.ly/1M0pjLz>