

**Mauritius 2050 Pathways Calculator**  
**(Version 1)**  
*Transport behaviour*

Based on the Continuous Multi-Purpose Household survey carried out in 2009, it was estimated that an average of 10,997 km (excluding trips abroad) were travelled by all vehicles in Mauritius. 85% of this distance was travelled by motorcycles, cars and dual purpose vehicles. In 2010, 60,573 arrivals were registered from Rodrigues.

*Definition of trajectories*

In version 1 of the Mauritius 2050 Pathways Calculator, the four levels for road transport and domestic aviation are defined as follows:

For road transport

<b>Level 1</b>	Level one assumes that individuals will travel 7% further in 2050 as compared to 2010. No noticeable shift in mode of transport compared to 2010 is observed, with cars, remaining the preferred choice of transportation and representing 60% of 2050 passenger mileage.
<b>Level 2</b>	Level two assumes that individuals will travel 5% further in 2050 as compared to 2010. Car represents 50% of 2050 passenger mileage.
<b>Level 3</b>	Level three assumes that individuals will travel 3% further in 2050 as compared to 2010 due to some decentralisation. There is a substantial decrease in the number of cars on the roads as compared to 2010. Cars will represent only 35% of 2050 passenger mileage as people are practicing carpooling.
<b>Level 4</b>	Level four assumes that individual will travel 10% less than they do today due to major decentralisation. There will be a significant shift to public transportation and travel by car will represent only 15% of 2050 passenger mileage.

Domestic aviation

<b>Level 1</b>	Level one assumes that by 2050, the number of domestic passengers doubles compared to 2010. There is improvement in the efficiency of the aircraft fleet and by 2050, the sector uses 75% more fuel than in 2010.
<b>Level 2</b>	Level two assumes that by 2050, the number of domestic passengers doubles compared to 2010. The sector uses 65 % more fuel than in 2010 owing to improvement in the efficiency of the aircraft fleet.
<b>Level 3</b>	Level three assumes that by 2050, the number of domestic passengers doubles compared to 2010 and that following improvement in the efficiency of the aircraft fleet, the sector consumes 55% more fuel than in 2010.
<b>Level 4</b>	Level four assumes that by 2050, the number of domestic passengers doubles compared to 2010 and that the sector uses 30% more fuel than in 2010.