

Diagnosis of Urban Mobility in Murcia. Baseline

By: ALEM. Local Energy Agency. Murcia City Council

To make a good diagnosis of **Urban Mobility in Murcia**, it is necessary to analyse the social and demographic situation in detail. This analysis will allow us to get to know how the population of Murcia is distributed and is characterised.

Murcia is the **7th biggest City in Spain**. Our municipality has **430.571 inhabitants**, within an area of approximately 882 km², distributed within 54 urban districts.

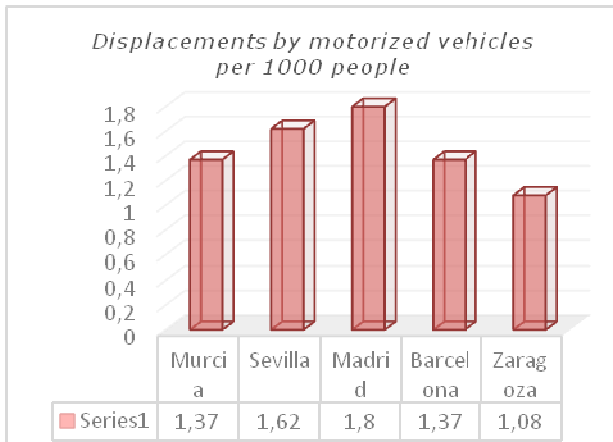
Regarding mobility, the chart on our right (1) shows the **essential mobility data** of Murcia Municipality, based on our SUMP (Sept. 2009). This shows that the use of public transport remains relatively low compared to other large cities (10.33%). The second chart (2) easily shows that Murcia has a **high rate of motor vehicles** compared to the national and regional average level.



MOBILITY KEY DATA OF MURCIA (1)			
	TOTAL	%	Per person
Total moves	915.770	100,00%	2,21
Public transport	94.549	10,33%	0,23
Private transport	463.075	50,57%	1,12
Other	10.200	1,11%	0,02
By foot	337.786	36,89%	0,81
Bycicle	10.115	1,10%	0,02

MOTOR VEHICLES PER 1000 PEOPLE (2)	
Municipality of Murcia	700
Municipality of Alcantarilla	477
Municipality of Molina de Segura	458
Municipality of Santomera	475
Region of Murcia	683
Spain	671

In terms of comparativeness with the rest of Spain, the following chart shows that Murcia has similar levels to Barcelona regarding motorised travel.

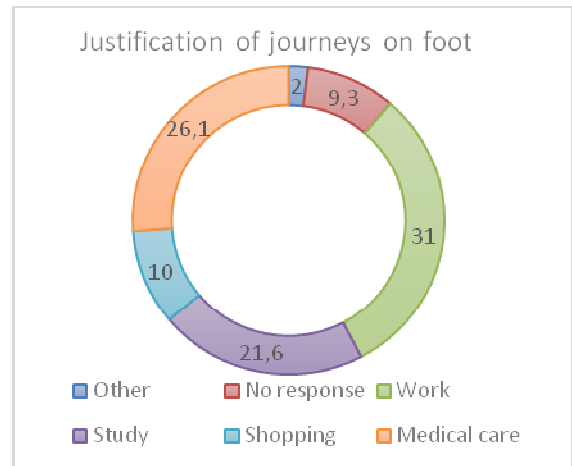


✓ WALKING

The City of Murcia has over **252.000m² of pedestrian zones** - just in the city center- and 100.000m² in the surroundings districts. [Murcia City Council](#) has built and marked an urban route, so-called "*Walk 10.000 steps*", which covers a distance of 10.000 steps and connects 8 urban districts within the center of Murcia.

Our Council continues to highlight streets and pathways to further expand the pedestrian zones and enlarge the traffic-restricted areas in order to encourage people to walk on daily basis. So far, we do have in Murcia over **338,000 daily trips made by foot**. This accounts for 37% of total daily trips, being equivalent to 0.87 trips per person per day.

The following graph shows the distribution of journeys by foot in Murcia.



✓ BICYCLE

The bicycle in Murcia is under a high **process of transformation**. The City has over 162 km of cycle paths, bike friendly routes and streets with limited speed. The City has 10,100 daily trips by bicycle, which represented 1.1% of total daily trips, (Sept, 2009), nevertheless we are updating the statistics, that are rather closed to 3% nowadays). Of all these trips, 66% may be considered "needed" trips due to different causes. In addition, 60% of bicycle users take the bike daily from Monday to Friday in their displacements.



✓ PUBLIC TRANSPORT

The use of Public transport represents the **10% of all journeys** in Murcia, meaning the 17% of all motorised journeys.

Regarding the City Bus System, the City has a good set of accessibility to travelers and several bus stops. It offers a good system of bus information and an adequate cover: 300 meters within the Murcia City Center.

The tram has very positively benefited public transport in Murcia. Over the last two years has improved the rate of use of public transport. Murcia's tram has served in those 2 years to **7,047,475 passengers**.

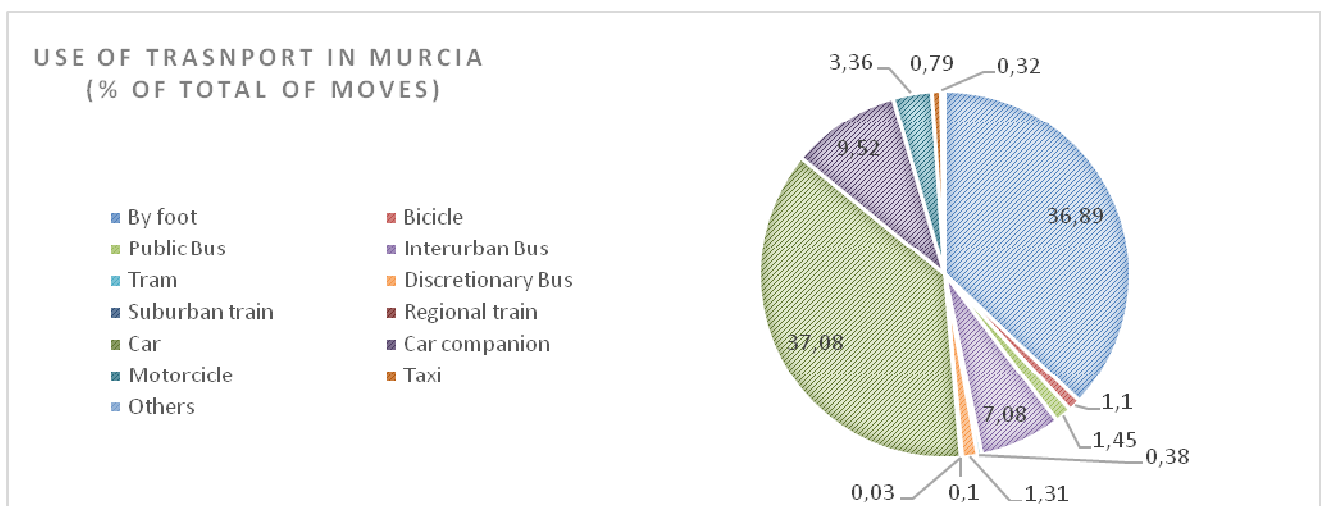


✓ TRAFFIC AND CIRCULATION

Traffic in Murcia indicates that there is a **high use of private vehicles** for commuting, which accounts for 51% of all trips and 81 % of all motorised trips, (Sept, 2009).

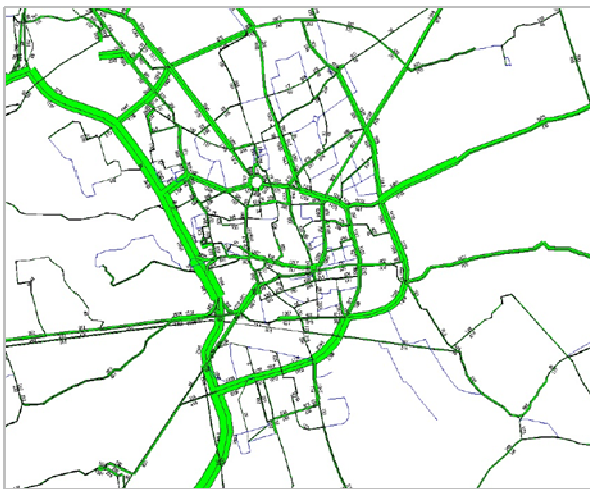
Roundabouts are our main Traffic hotspots in the City, where there is the higher volume of traffic. In addition, also make it a place where unfortunately there is the higher level of conflicts, casuistic and accidents. The average speed is quite high in Murcia (22km/h) and there are no significant variations between peak and valley period. Furthermore we cannot address significant traffic congestion in Murcia, though it is a big city. From further analysis, it has been concluded that the global system used for traffic management in Murcia should **give more priority to public transport** rather than private one.

Segment graph here below shows the modal distribution of transport in Murcia.





Nevertheless, Murcia offers a **massive use of private vehicles**, which mainly causes heavy traffic in the roundabouts of the City (here below Murcia road´s distribution).



Existing studies and surveys show a great interest by citizens to change their usual means of transport, as for a more efficient one.

Citizens in Murcia give great importance – as mainly everywhere else - to saving opportunities, towards mobility alternatives.

✓ **ELECTRIC MOBILITY**

Murcia City has a **considerable fleet of electric vehicles**. Nevertheless, our public electric network of chargers must be expanded. This would foster the demand of electric vehicles and would gradually grow the number of registered electric vehicles.

Great efforts are being made by our Municipality in order to spread out the needs of changing mobility habits. We do incorporate electric vehicles to our usual means of transport, always in detriment of fossil fuels.

Murcia City Council is currently looking for strong financing schemes in order to support the development of a proper e-mobility infrastructure, to better facilitate the introduction of electric mobility in Murcia.

