



ADAPTING DRIVER BEHAVIOUR FOR LOWER EMISSIONS

Low-Emission Driving Awareness Campaign





Tips on low-emission driving behaviour & good maintenance practices

Here are some simple but useful tips to help you lower your driving emissions. They can also help save you money.

These tips are aimed at car drivers, especially petrol (gasoline) and diesel cars. They are divided into three categories: Before driving, While driving and Car maintenance.

These tips were developed from research work in the MODALES project specifically from the report D5.1: Guidelines for low-emission driving.

They contribute to a campaign by MODALES partners to encourage drivers – especially of older vehicles – to take simple steps to reduce their emissions and improve air quality, especially in urban areas.







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BEFORE DRIVING



Overloading and unecessary weight can have a big impact on the fuel consumption, the tyre and brake emissions.





Modales Adapting driver behaviour for lower emissions Properly inflated and appropriate tyres will last longer. They can have a positive effect to lower emissions, increase safety and help to save the driver money.





A good asphalt road without potholes can lead to less pollution and extend the vehicle's lifespan. Highways and less congested routes help drivers keeping steady speed, resulting in less fuel consumption and emissions.





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WHEN DRIVING



Common engine and oil malfunction can increase fuel consumption and emission levels while the Eco-driving mode in most modern vehicles can reduce emissions drastically by limiting extreme accelerations and high RPMs (revs per minute).





Windy weather, going up high slopes or cold engines require lower speed to eliminate additional emissions due to additional torque requirement.





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Brake emissions are one of the major contributors (50%) to non-exhaust emissions from the road traffic.







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WHEN DRIVING





Drivers who apply a "smooth" driving style, avoiding harsh decelerations, accelerations, will reduce their kinetic energy and emissions.





Higher attention and anticipation by drivers will reduce the need for braking, exhaust emissions and fuel consumption.









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CAR MAINTENANCE





Renewed engine oil and a clean air filter will impact the combustion and thus create less emission of exhaust gases into the environment.







Engine tuning requests modifications to the air intake system, fuel injecting and exhaust gas control. All of them will increase the vehicle's emissions. Excessive engine modification can result in mechanical failure and larger engine damage which can be very costly for drivers.





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1