

## The procedures and measures to reduce environmental pollution caused by traffic.

The effect of pollutants to the environment is reflected in climate change at global level, at the regional level in the emergence of acid rain, and locally, in the appearance of smog. Exhaust gases contain large amounts of carbon oxides, nitrogen oxides, sulfur oxides, a certain amount of solid particles, soot and heavy metals. Their composition depends on the fuel used, the degree of combustion and mode of operation. The emission of harmful substances also depends on the size and structure of traffic, driving dynamics (free flow, congestion), the strength of the source and duration of the emission, age and general condition of the vehicle.

Environmental protection measures are often in conflict with the other goals such as mobility, freedom or reduction of costs. The pollutants emission reduction in the environment is a complex procedure carried out through legislative, institutional and governance frameworks.

Environmental protection measures include a variety of measures such as:

1. Traffic planning that consists of keeping traffic out of the city center, discouraging the use of private vehicles for daily travel, encouraging the use of public transport, replacing road transport with railway, improving the organization of transport,...
2. Obligation to use vehicles with catalytic converters because it reduces emissions of harmful substances
3. The use of clean energy and alternative fuels which involves the replacement of conventional fuel into biodiesel fuel produced by plants. Electromobility also offers a possible solution to the problem of greenhouse gas emissions caused by traffic
4. The development of vehicles that save energy
5. Exemptions for the import of new vehicles and the proper disposal of old vehicles, because part of the old vehicles are left at inadequate place, and only a certain number goes to landfills for disposal of solid waste

6. Testing exhaust emissions of petrol and diesel engine, which means subjecting vehicles to eco test during regular technical inspection
7. Systematic speed limit car
8. Education that includes awareness campaigns, everyday shooting and recording data on air quality and communication to the public
9. The possibility of introducing fees for air pollution where states must ensure that their actions will not cause damage to the environment outside their borders

The main environmental issues are noise, dust, local air pollution and ground water pollution, global warming caused by the emission of gases, the aesthetic aspect of the roads or interference with the natural and cultural goods. As the number of vehicles increases, fuel consumption and the amount of air pollutants also grow up. All this imposes the need to take appropriate protective measures that improve air quality. Clean air and unpolluted water are becoming every day, more and more important goods, we feel their deficiency. All this has led to a situation, that to the issue of environmental protection today, the approach is much more serious and systematic and it is necessary to organize traffic flow efficiently in order to reduce environmental pollution.