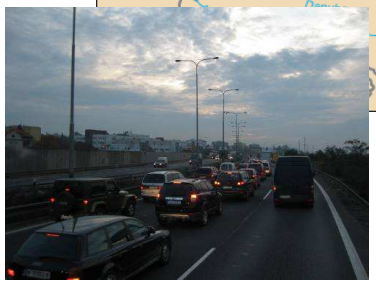
Innovative Methods of Monitoring of Diesel Engine Exhaust Toxicity in Real Urban Traffic
« MEDETOX »



PROJECT LOCATION: Prague, Czech Republic

BUDGET INFO:

Total amount: 1,223,524 Euro

% EU Co-funding: 50%

DURATION: Start: 01/09/11 - End: 31/08/16

PROJECT IMPLEMENTORS:

Coordinating Beneficiary: Institute of Experimental Medicine AS CR

Associated Beneficiaries: Technical University of Liberec

Ministry of the Environment of the CR

BACKGROUND and AIMS:

The project targets the problem of exhaust emissions emitted from internal combustion engines primarily in urban areas, and their possible effects on human health. The major aim of MEDETOX project will be the practical demonstration of the standardized protocols for sampling and toxicity testing of diesel emissions under various real traffic conditions as tools for hazard identification and risk assessment based on toxic effects of vehicle emissions.

MAIN EU POLICY(IES) TARGETED:

The project will demonstrate the usefulness of new methodologies for environmental policy and governance in the Czech Republic as well as in European Union.

MAIN ACTIVITIES:

1.Practical demonstration of innovative methods to assess the possible health risk connected with the exposure of general population to diesel exhaust particles under real traffic conditions.
2.Dissemination of the methodologies to relevant government and national/ international regulatory authorities and other potential users.

EXPECTED RESULTS:

The major output of MEDETOX project will be the standardized protocols for sampling and toxicity testing of diesel emissions under various real traffic conditions as tools for hazard identification and risk assessment based on toxic effects of vehicle emissions.