



Healthier Environment through Abatement of Vehicle Emission and Noise

Project web site: <http://heaven.rec.org/>

Programme: Fifth Framework Programme

Action Line: Environment - Intelligent environmental monitoring and management systems

Integrating environmental information society technologies and existing transport demand management systems, the experienced consortium-including urban environment, health and transport agencies, industrial suppliers and researchers- will develop and demonstrate in six major European cities (Berlin, Leicester, Paris, Prague, Rome & Rotterdam) a fully integrated decision support system. This system will provide the possibility to evaluate mobility related emissions (including those pollutants under consideration by the EU for new directives), on the basis of advanced real-time monitoring and modelling of key pollution sources. In addition, this project will establish a data platform for the assessment of emissions and health effects for air pollutants and noise, caused by traffic.

HEAVEN will directly support and provide European added value for the implementation of the European Air Quality Framework Directive and its daughter directives and the future Framework Directive on noise.

Project Objectives

HEAVEN will contribute to the implementation of EU directives and national/local laws on air and noise quality by demonstrating a decision support system (DSS) which assesses the pollution reduction of transport demand management strategies (TDMS) in large urban areas on the basis of the use of integrated environmental IST and emissions and dispersion forecasting.

An integrated information platform will provide to key actors and the public information on the state of air and noise pollution levels and will support long-term planning and data exchange with health authorities.

The high-level objectives of HEAVEN are to:

- Improve the basis for decision-making by providing integrated and real-time information on key pollution factors (including pollutants for which new directives are being proposed);
- Inform key actors and the public on the state of air and noise pollution levels; Enhance the information quality concerning the effects of various air pollutants and noise on health.