



contact us

For more information about the silence project, please visit the project website: www.silence-ip.org or contact the project coordinator: AVL LIST, Mr Franz Brandl, Hans-List-Platz 1, A-8020 Graz, Franz.Brandl@avl.com

silence partnership

SILENCE involves the right mix of European expertise to develop solutions for an integrated technology infrastructure for the efficient control of road / rail noise. The project gathers:

- o City authorities
- o Public urban transport operators
- o National operators of railway traffic and road / rail infrastructure
- o Public research institutes and universities
- o Research and engineering institutions
- o European associations
- o Vehicle manufacturers and integrators
- o Suppliers of equipment, systems and technology for vehicles / infrastructure
- o Specialised Small and Medium-sized Enterprises

AVL List, Centro Ricerche Fiat, Deutsche Bahn, Forschungsgesellschaft für Arbeitsschutz und Arbeitsphysiologie, Continental, Forum of European National Highway Research Laboratories, Société Nationale des Chemins de Fer Français, Polis, Renault, Volkswagen, Volvo Technology Corporation, AEA Technology Rail, Alstom Transport, Bombardier Transportation, Bruel & Kjaer Sound & Vibration Measurement, Dynamics, Structures +Amp Systems International, University of Southampton, Rieter Automotive Management, Stiftelsen for industriell og teknisk forskning ved Norges tekniske Høyskole, Société des Transports Intercommunaux de Bruxelles, Technical University of Berlin, Adam Mickiewicz University Poznan, AnsaldoBreda, Università Politecnica delle Marche, Chalmers Tekniska Högskola, University of Hannover, Institut National des Sciences Appliquées de Lyon, Centre National de la Recherche Scientifique, Lucchini Sidermeccanica, M+P Raadgevende Ingenieurs, Regie Autonome des Transports Parisiens, TÜV Nord Mobilität RW TÜEV Fahrzeug, Trenitalia, Corus, Vibratec, Kugliga Tekniska Högskolan, Brussels Capital Region, Comune di Genova, Autostrade per l'Italia, Skanska Sweden, Bristol City Council, Disseny de Sistemes i Desenvolupament

Pictures: Tina Lorien, City of Genoa, PORTAL project, Andrea Jaccarino, AVL List, Virgilio Ataide, Continental



quieter surface transport in urban areas



SILENCE aims to develop integrated methodologies and technologies for the improved control of surface transport noise in urban areas. It will look into noise control at the source, noise propagation, noise emission and the human perception of noise.



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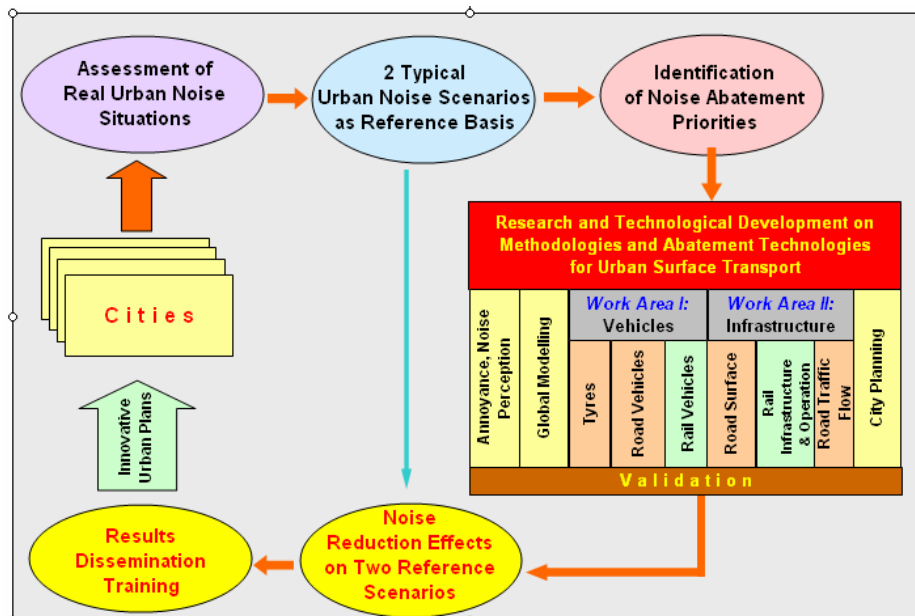


policy context

Although noise limits have become increasingly stringent over the years, no corresponding significant reduction in noise levels in urban areas has been observed. Therefore, European noise policy has been revised to focus on noise perception, to avoid the harmful effects of noise exposure from all sources, and to preserve quiet areas.

Of particular importance is the noise caused by road and rail transportation, which together provide over 90 % of all passenger and freight transport in Europe. As road and rail transport are also the more pervasive sources of noise nuisance, particularly in urban and suburban areas, these two modes are the core of the SILENCE Project.

silence approach



silence will provide

- Relevant and world-leading technologies for the efficient control of surface transport noise
- Innovative strategies for action plans on urban transport noise abatement and practical tools for their implementation
- A significant reduction of people's exposure to noise, especially in real urban conditions

The overall outcome of SILENCE should be a reduction of noise emission by up to 10 dBA.

