

LOW NOISE PAVEMENTS

IMPROVING HEALTH AND WELLBEING IN EUROPE THROUGH LOW NOISE PAVEMENTS

Road noise is recognised as having an impact on the comfort of those who live next to, or near busy roads. It is also known that continued exposure to road noise can pose risks to people's health and wellbeing. The use of low noise pavements is an effective measure to mitigate the issues and many road authorities now build low noise pavements on new roads and on existing roads when they need resurfacing, though the practice varies across Europe. Low noise pavements are more costly to install than standard pavements however, whilst there are concerns around their longevity¹.

The development of low noise pavements was recognised as an important element in FEHRL's 6th Strategic European Road Research Plan covering 2017–2020 and as a result a working group has been established comprising FEHRL members with an interest in this important topic, led by Dr Judita Škulceckė of VILNIUS TECH.

The group seeks to develop and exchange knowledge in has 4 broad areas; 1) how to improve the performance of new low noise pavements, 2) improve maintenance options of existing ones, 3) improving the performance and endurance of low noise pavements in cold climates, and finally 4) to compare the different techniques and technologies for monitoring road noise.



► To find out more about this initiative or get involved, please contact initiative leader Judita Škulceckė at judita.skulcecke@vilniustech.lt or FEHRL Programme Manager, Martin Lamb at martin.lamb@fehrl.org

¹ Veisten, Knut & Akhtar, Muhammad Juned. (2011). Cost-benefit analysis of low-noise pavements: Dust into the calculations. *International Journal of Pavement Engineering*, 12, 75-86. 10.1080/10298436.2010.506537.



PARTNERS

