## Labelling road surfaces

An initiative from the Netherlands presented at the February and September 2017 sessions of the UNECE Working Party on Noise (GRB)*:
http://www.unece.org/fileadmin/DAM/trans/doc/2017/wp29grb/GRB-66-05e.pdf http://www.unece.org/fileadmin/DAM/trans/doc/2017/wp29grb/GRB-66-05e-Add.1.pdf
*GRB is a subsidiary body of the World Forum for Harmonization of Vehicle Regulations (WP.29)

## Objectives and criteria

Labelling is a method to encourage progress in and to stimulate optimisation of road surfaces based on the following criteria:

- Skid resistance - for road safety;
- Noise reduction - for public health;
- Rolling resistance - for sustainability and economics (of road users);
- Lifespan - for availability, durability and economics (of road owners).


## Envisaged benefits (as reported by the Netherlands based on a pilot project)

- Skid resistance - risk of accidents $3 x$ smaller at a proper skid resistance;
- Noise - $9 \mathrm{~dB}(\mathrm{~A})$ noise reduction seems possible by optimum tyreroad combination (EU-project 'Safe and Silent Road Traffic');
- Rolling resistance - 10-30\% reduction rolling resistance $\rightarrow 2-6 \%$ fuel savings $\rightarrow$ saving 488 mln . litres and 1000 kton $\mathrm{CO}_{2}$ (NL)
- Lifespan - from 9 years to 10-12 years (i.e. for porous asphalt)


## Road surface label ZOAB (PA16): DEEE



## GRB considerations

- Welcomed the presentation and reiterated the importance of a holistic approach to sound emissions in the system 'tyre-road surface;
- Noted that the scope of the 1958 and the 1998 Agreements (wheeled vehicles, equipment and parts thereof) does not cover road surfaces and, therefore, only non-legally binding document, like a Recommendation or Resolution, might address the issue;
- Noted that other Working Parties under ITC, like GRRF, GRSG and SC.1, might be better placed to pursue the project and should be consulted;
- Question to SC. 1 representatives:

Do you agree that the Dutch initiative would fall within the scope of SC. 1 and could be considered further?

