

Welcome and opening of the symposium

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Symposium background:

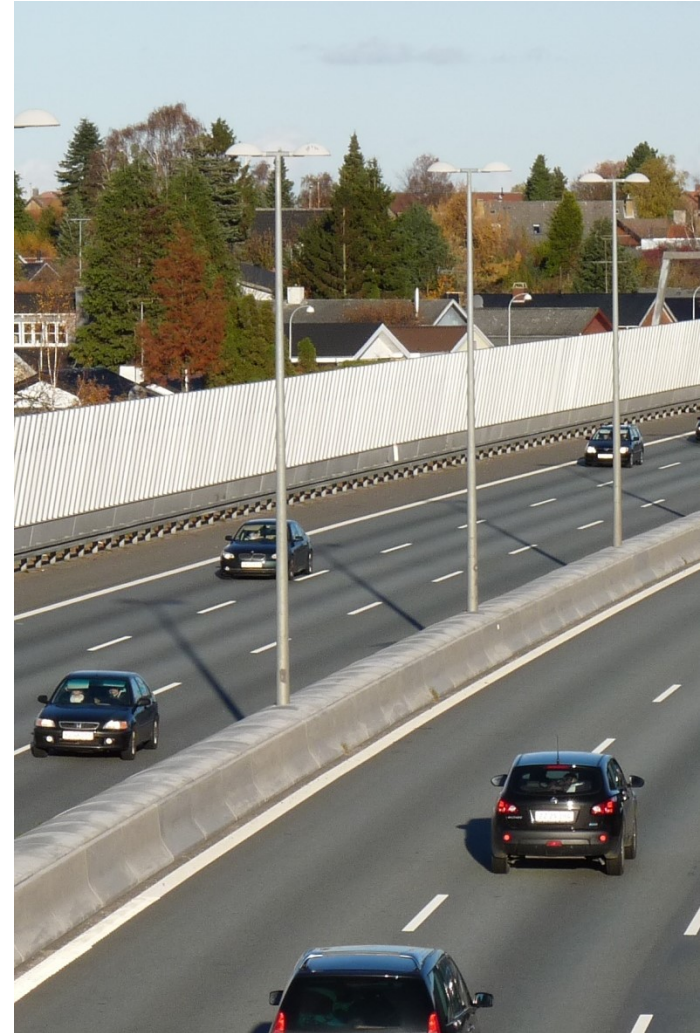
4 new reports published by the CEDR noise group

- Collecting knowledge and new results from research and development
- Presented in a form ready for implementation in NRA's
- Exchange of know-how from European colleagues
- A very cost effective way of getting access to new tools and methods
- A key objective for NRA's



The Danish noise challenges

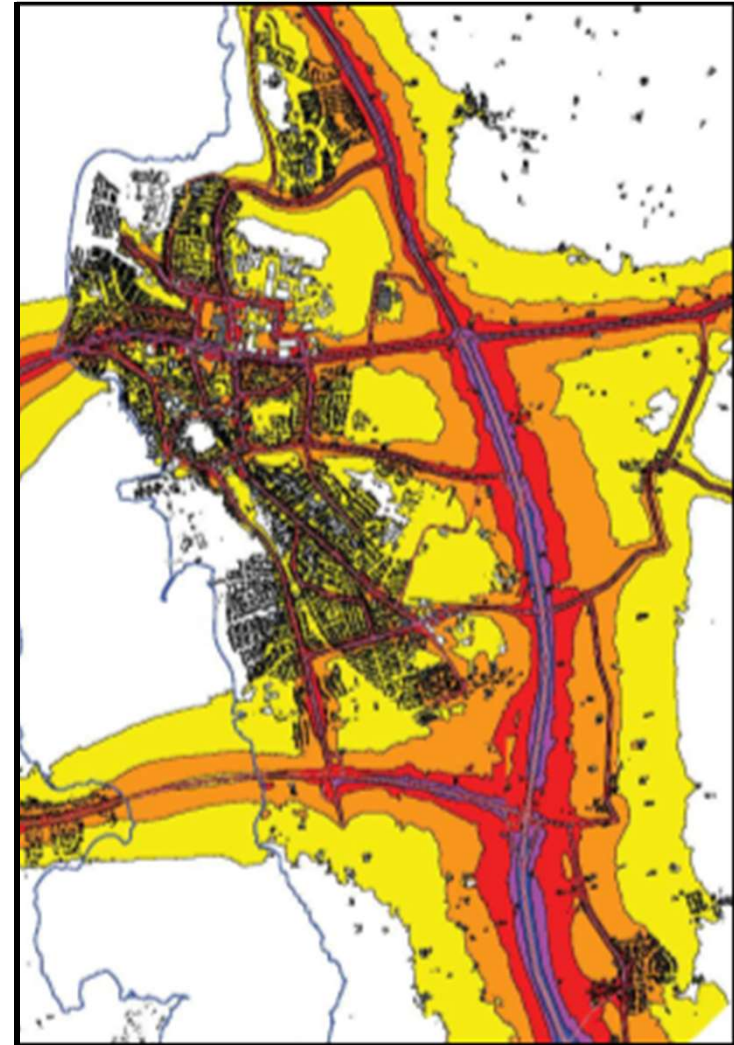
- 120,000 dwellings exposed to more than 58 dB along Danish state highways
- The yearly cost of road noise to the society - 500 mill €
- Complains from residents
- Political focus
- Noise has a large awareness when planning new roads
- Demand for noise abatement when maintaining roads
- The connection between noise and health



A cornerstone in noise abatement

Reliable noise prediction methods

- Nord2000 is mandatory and successfully used in Denmark
- Developed in a Nordic cooperation
- The EU method CNOSSOS shall be used for strategic noise mapping from 2022
- In April a Nordic Workshop on noise predictions were held in Copenhagen
- A joint Nordic approach implementing CNOSSOS are now in process



Challenges for the NRA's

- We need answers and solutions, for handling noise issues
- Pavements reducing noise, needs to have a better durability (for little extra costs)
- Including noise in the tendering process in a clever way
- Combining guard rails and noise barriers
- Noise prediction
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Road administrations needs to provide value-added road infrastructures that are:

- Comfortable and safe
- Reduce noise from road transport
- Reduce CO₂ emission from road transport
- Durable with a long lifetime

Pavements that provides all this is close to implementation in Denmark

