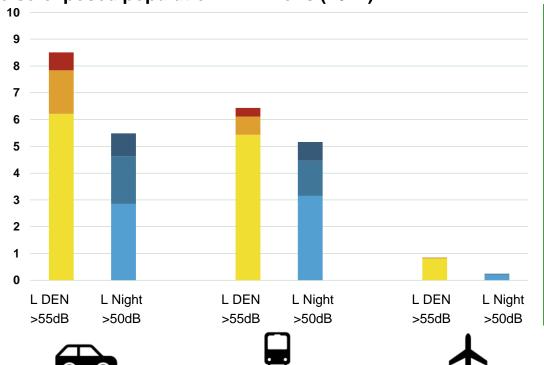
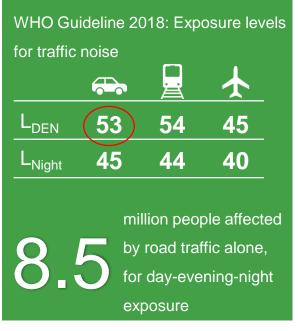


Traffic Noise Pollution in Germany



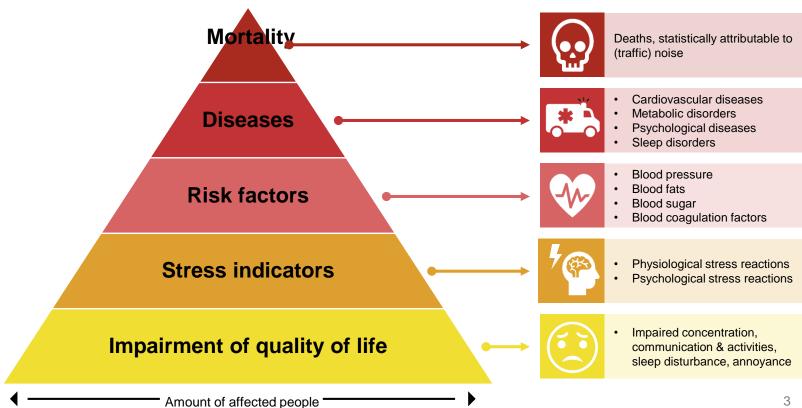
Noise-exposed population in millions (2017)





Health Effects of Noise-Exposure





Environmental Noise Directive (END)



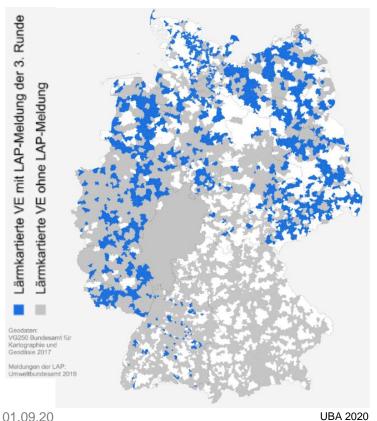
Objective: Common approach intended to avoid, prevent, or reduce harmful effects, including annoyance, due to exposure to environmental noise (traffic noise, industrial noise)

Required actions:

- determination of exposure to environmental noise (noise mapping),
 make information on environmental noise and its effects available to the public
- adoption of noise action plans by Member States, based upon noisemapping results
- Designation of quiet areas within agglomerations

Noise Action Planning in Germany





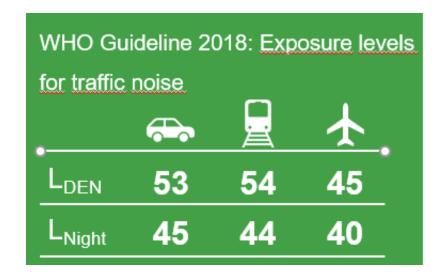
- Action plans only in one third of local communities with noise mapping (Jan. 2020)
- No nationwide thresholds for action planning
- Reluctant installation of quiet areas
- Uniform nationwide trigger values, set at 65 dB during the day and 55 dB at night
- Quiet areas to be stipulated in sufficient numbers

01.09.20 OBA 2020

Noise Limit Values for Existing Roads and Railways



- Values for noise control for existing roads and railways: 70 dB during daytime and 60 dB at night → higher than WHO recommends
- Values should be reduced to 65 dB (day) and 55 dB (night)
- In the long term: 55 dB (day) and 45 dB (night)



Financing Noise Control



- Local communities often lack financial means to reduce road traffic noise
- Support through long term investment programs, financed by federal and state governments in addition: integrating noise control into urban development funding



Sound Level Limits for Vehicles



- Current sound level limits (road and rail vehicles, aircraft) do not exhaust technical potential for noise reduction
- Lobby for ambitious sound level limits for vehicles at EU level for road and rail vehicles; at international level for aircraft



Dirk Vorderstraße "Autobahn, Kamener Kreuz, Rush Hour (11783262743)", https://creativecommons.org/licenses/by/2.0/legalcode

SRU Recommendations



PLANNING & FINANCING

Noise action planning: Uniform nationwide trigger values at (65 dB(A) (daytime), 55 dB(A) (nighttime); Quiet areas to be stipulated in sufficient numbers

Financing: Support for local communities through long term investment programmes, financed by federal and state governments

NOISE LIMIT VALUES

Noise Limit Values for Existing Roads and Railways: Reduce to 65 dB(A) (daytime); 55 dB(A) (nighttime)

Tighten Sound Level Limits for Vehicles

COMMUNICATION & INTEGRATION

Integration: sustainable urban mobility plans for cities > 50.000 inhabitants

Environmental Justice: guiding principle in noise action planning; cross-cutting objective in municipal development strategies

Enhance communication on traffic noise and health

SECTOR-BASED MEASURES

Road traffic in urban areas: Strengthen, expand and modernise public transport, walking and cycling; reduce general speed limit in built-up areas to 30 km/h; strategic parking management in cities; distance-based car toll

Freight trains: further develop noise-based trainpath pricing system

Air traffic: Standardize immission limit values for aircraft noise; make airport planning compatible with noise protection, improve noise protection considerations when determining flight routes, Improve passive noise protection, Repeal tax exemption for kerosene, Ban on night flights at airports close to urban areas



Download Chapter 5 of the Environmental report 2020: "Towards an ambitious environmental policy in Germany and Europe" (in German, summary in English): www.umweltrat.de

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