

# NOISE IN THE CZECH REPUBLIC

Jan Beneš, Miroslava Rýparová

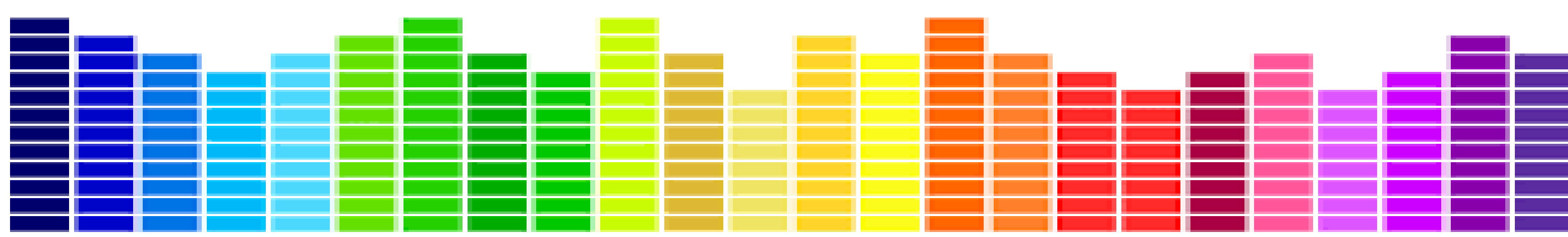
## What is NOISE?

Noise is every single sound, with disturbing or annoying character or with harmful effects regardless of its intensity, which in many cases does

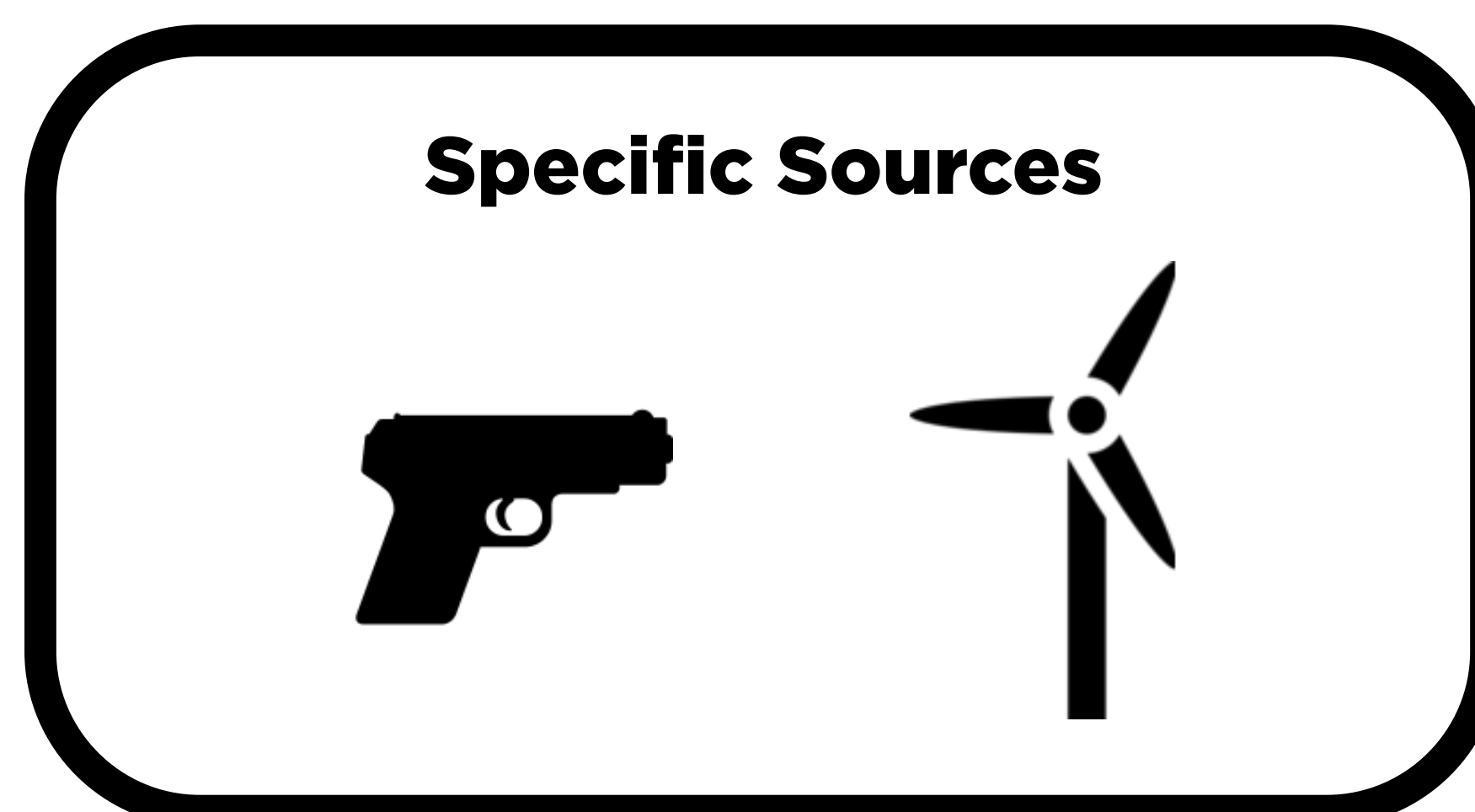
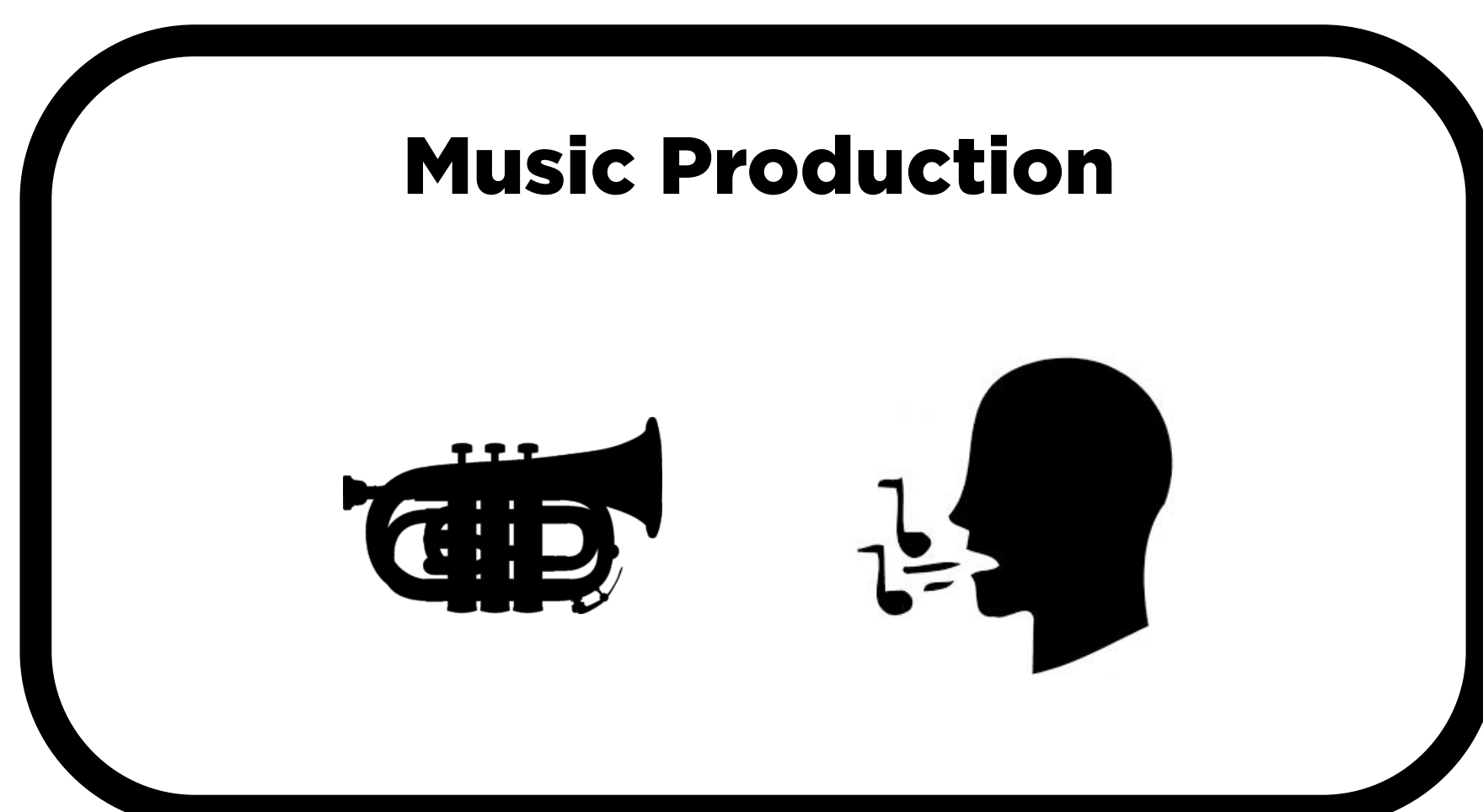
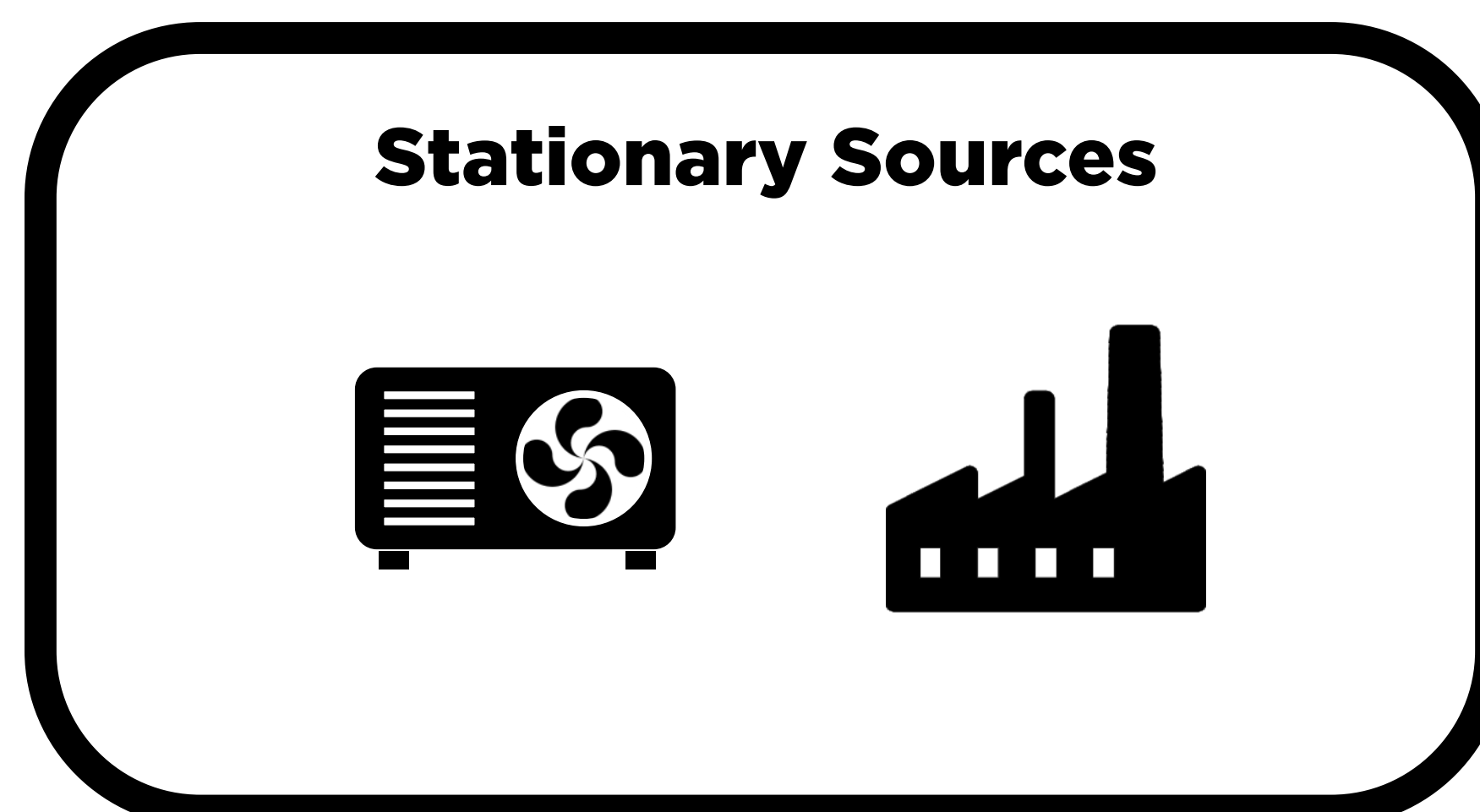
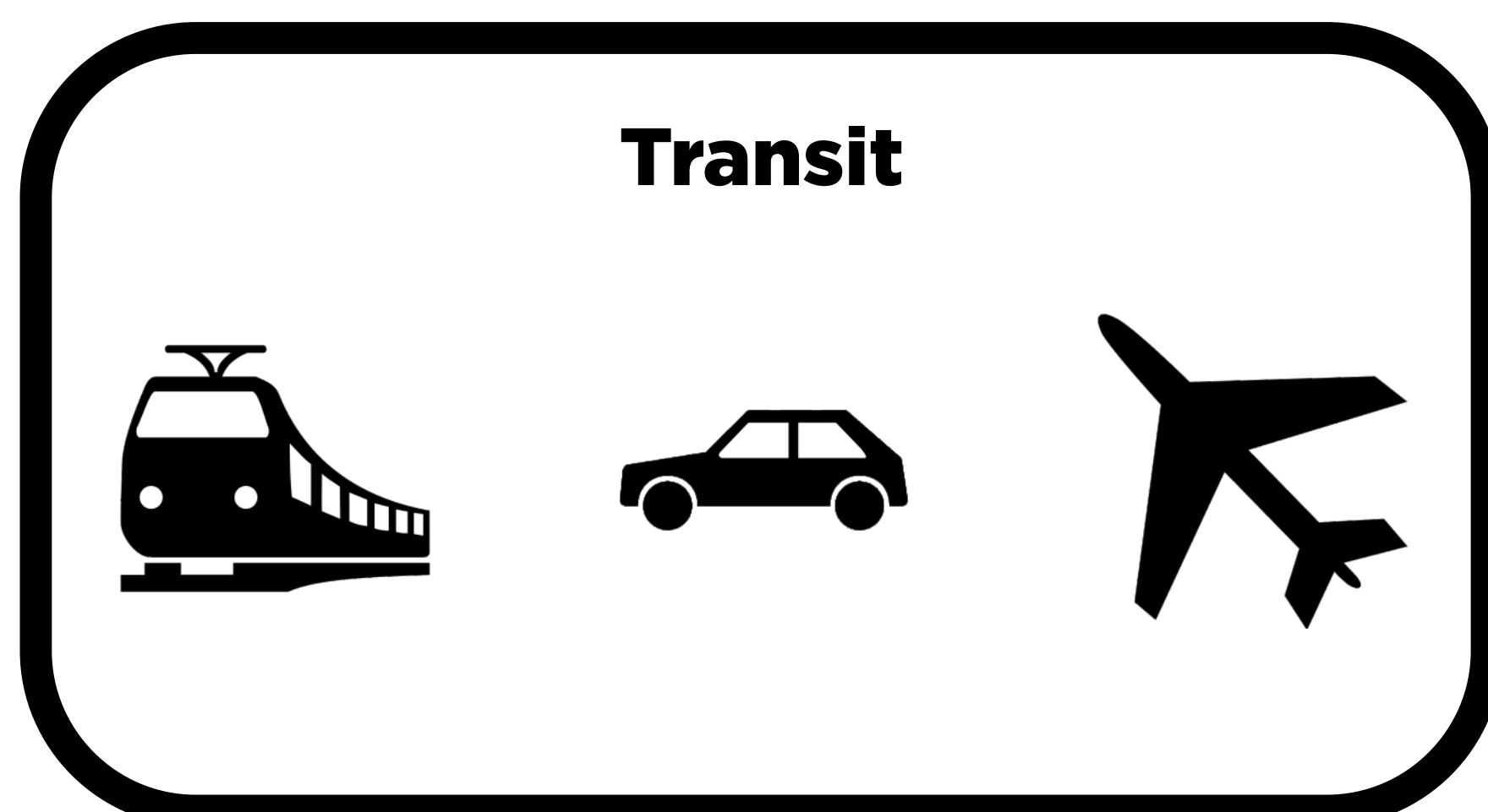
not play a major role. There are considerable interindividual differences in a sound perception.

## Frequency scale

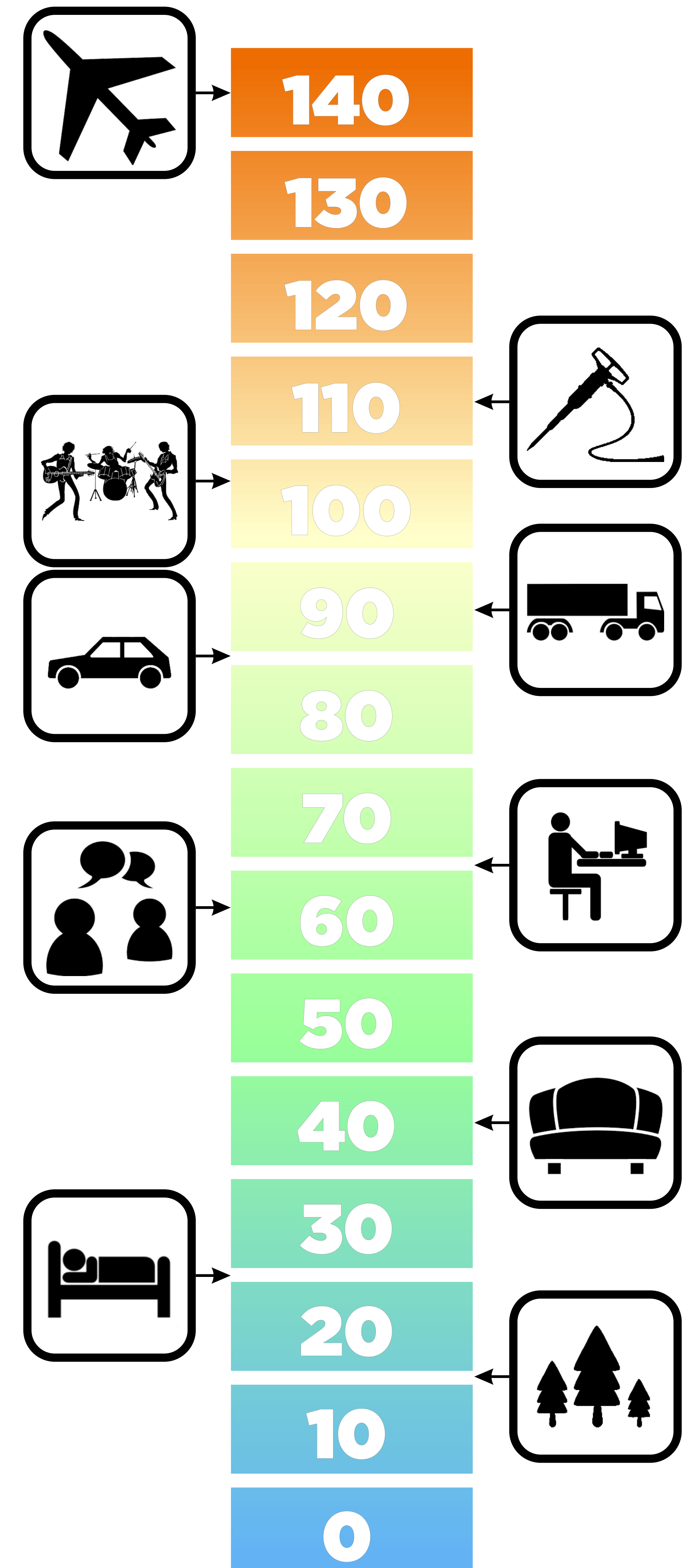
Hearing range: 20 Hz - 20 KHz



## Noise sources



## Noise Thermometer



## The most common problems

Public health deals with a wide range of noise effects on the environment, its goal is to protect objects and areas intended for permanent residence, teaching or human treatment from the negative effects of the noise. There are three types of so called protected areas - protected indoor areas of the building, protected outdoor areas of the building (maximally two meters from the facade) and protected outdoor areas (e.g. specific type of areas intended for human relaxation). According to a valid law on the public health protection, The Regional Public Health Authority (RPHA) may solve only some of the noise problems, not all, specifically noise from the transit or noise produced by business. This type of noise is verified by an accredited laboratory. If the

results exceeds the valid hygienic limit according to government regulation, RPHA can impose a sanction to the owner of the building or to the company which produces the noise in the rented building. Every inspection needs a close cooperation with the disturbed person, including an access to the property or the apartment for the accredited measurement. Among the most common noise problems solved in Moravian-Silesian Region are complaints about a loud music productions (live or recorded) in bars or restaurants. Common complaints are about a loud road and railway transit or stationary sources like air-conditioning units. RPHA may solve some of them immediately, e.g. time restriction of a music production

or adjusting noisy air-conditioning units. Other problems, e.g. reducing the noise from the transit in the cities and municipalities, requires a long-term solution. The most common noise that disturbs citizens is so called „neighborly noise“ (dog barking, noise from one apartment to another, lawn mower noise or wood cutting at the weekends), which RPHA is not able to solve according to a valid law on public health protection, as well as the noise from music production in public areas. The best solution for these cases is an agreement between the concerned parties or an offense against civil cohabitation in civil litigation.

