

Category: **Bachelor and Masters**

Project: **34–81 dB**
A dive into the urban Soundscape

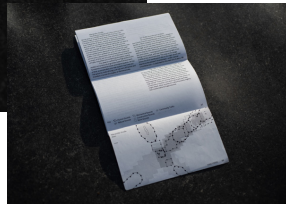


Fig. 2: Textmap within the Reader showing the raw Data of the Soundwalks

What was the challenge?

Sounds shape our cities and the structure of cities shape the sounds. While the soundscape of Vienna consists of sounds produced by various sources they are usually only processed and communicated as generic sound levels and noises.

What was the solution?

An in-depth analysis of city sounds was conducted in five different areas of Vienna. 146 different sounds were recorded during soundwalks that were carried out both during the day and at nighttime. The findings were then visually translated into ten different »Soundmaps«, creating a unique image of each neighborhood's soundscape. The Soundmaps are accompanied by a reader containing definitions and fundamentals of sound, processing of auditory information, and interpretation of the analysis and findings.



Fig. 3: Enlarged map-extract in the reader including a detailed description of the sounddata recorded



Fig. 5: Closeup of the Soundmap. Every map comes with a diagram of the Soundwalks outlining categories, sound level and locations every 5 minutes

What was the effect?

For the first time, these neighborhoods have been seen from an auditory perspective, providing valuable insights for urban planners and architects. It demonstrates an effective approach to capturing and analyzing auditory information and translating it into visually processable tools for understanding the soundscapes of cities and their impact on human experience is essential for creating healthier and more livable urban environments.

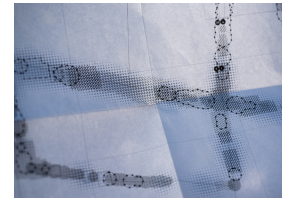


Fig. 6: Closeup of the Soundmap. Only K100% used; the backside is a secondary information layer

