

OUR WORK

We want to reduce health risks from noise in the environment.

To do this, we have studied the following:

- Movement of sounds
- Loudness of the sounds
- Possibilities for reduction

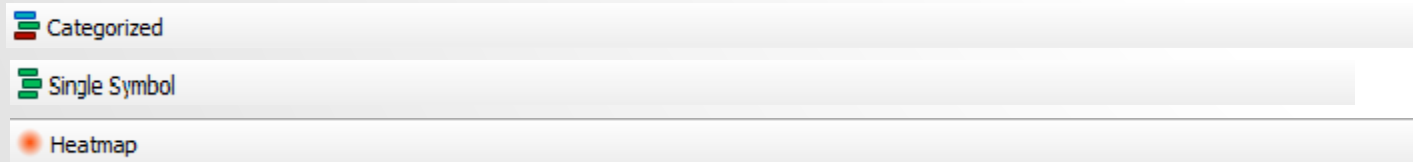


NUMERICAL METHOD

- Gathering data from outdoor measurements
- Unifying data
- Creating QGIS map layout using XYZ Tiles Google maps and Openstreet map
- Using shapefiles marking buildings and important roads.



- Adding data to attribute table
- Using Layer Symbology according to attributes table



- Using New Print Layout function finishing 6 different maps according to time and given data
- Using <https://ezgif.com/> to create final results



Vilnius Tech noise levels map 00:00



90	truck
80	telephone ringing
70	passenger car
65	unhealthy
60	conversation
55	WHO Europe IT-1 for noise (55)
50	rain
40	quiet living room

Sound levels	
●	35-39 dBA
●	40-44 dBA
●	45-49 dBA
●	50-54 dBA
●	55-59 dBA
●	60-64 dBA
●	65-69 dBA
●	70-74 dBA
●	75-79 dBA

