Noise studies:

Processing noise measurements

Contact persons:

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Short summary

For some permitting projects we perform noise measurements on site (industrial plants). During the noise measurements we record under what circumstances we perform the measurement and what noise level we measured. Back at the office we use this data to perform calculations to determine the noise emission of an installation which we incorporate into our noise model.

We have been developing an Excel tool that combines our manual input from both the ArcGIS Survey123 app and the data from our sound meter and automatically performs the necessary calculations. The results are used in the project for our noise calculations and additionally the results are imported into an internal database which we use for reference on other projects.

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Excel tool for noise level calculations

The tool first combines the input from Survey123 & data from the noise meter. The data is imported into calculation sheets which perform the calculations.

STEP 1

Export & import data from the tool

The calculation results are exported as PDF. Additionally, the results fror the calculations are imported into a database which is used for reference on other projects.

STEP 2

NEXT STEPS

Geomilieu

Create tooling to convert Excel data to a shapefile

Survey123 records the location data in the questionnaire. We will use this data to create a shapefile from Excel filled with the necessary information which can be imported into Geomilieu (noise calculation software).