

Where Visualization Fails, Sonification Speaks

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We aim to explore **sonification** as a support for visual information in public transport.

Sonification is the use of non-speech sounds for representing data, and has been proven to be able to successfully complement **visualization**.

In this work we will explore sonification for three different situations:

- 1 - Sonification of **distance** between bus and bus stop.
- 2 - Sonification of different bus **lines**.
- 3 - Sonification of bus **door** positions.



There are several questions to explore further in this work, such as:

- What sonification **design** is most suitable?
- Where should the **sound source** be positioned?

- What **interaction** would provide the best user experience?

This work is a collaboration between Linköping University, Gaia System AB, Norrköping municipality, and ÖstgötaTrafiken.