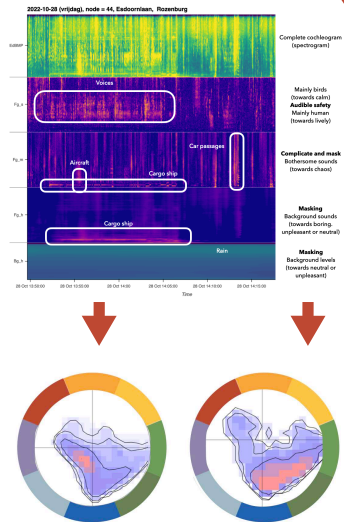


Improving urban soundscapes: soundscape advise and the context of experience

The Sonic Environment & Soundscape

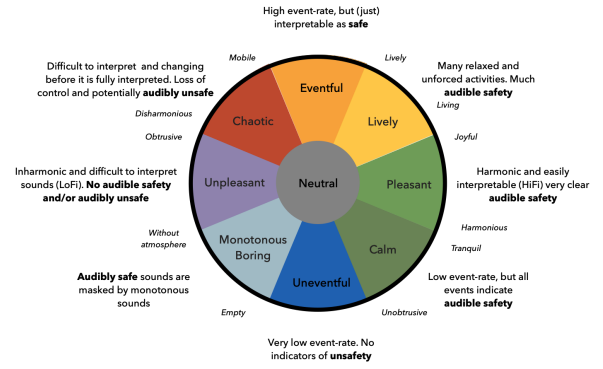
- Monitoring sound 24/7
- Signal and soundscape analysis on node
- Visualisation: *cochleogram* at 1 second sampling
- Separation into "perceptual layers" based on development-rate of the signal (sources): $\tau = 0.001, 1, 60, 3600$ seconds
- Different layers contribute to different soundscape appraisals: *calm, lively, chaotic, boring/monotonous*
- Every second an appraisal estimation is visualised in a histogram



Van den Bosch, K., Welch, D., Andringa, T.J. (2018). The evolution of soundscape appraisal through enactive cognition. *Frontiers in Psychology*, 9, 1129.

Audible Safety

Sound appraisal is rooted in *audible safety*:
Determining safety through sound



Soundscape is "the sonic environment as experienced and interpreted by a person or people, in context."

The sonic environment is not only appraised on its measurable sonic features; it is experienced holistically and influenced by many personal, societal, and environmental factors.

At SoundAppraisal, we recognise this and:

- Develop 24/7 sound appraisal technology
- Advise on soundscape- and annoyance policy
- Provide soundscape consultancy

