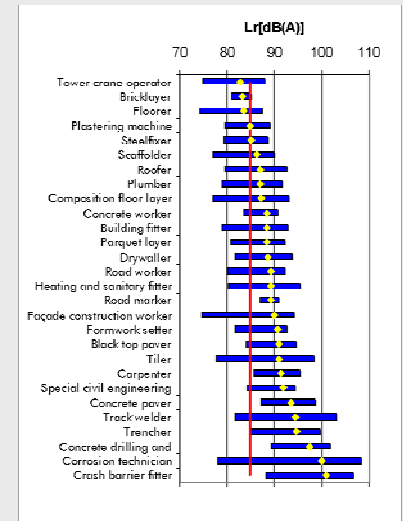


New findings on noise exposure in the construction trades

Reimer Paulsen

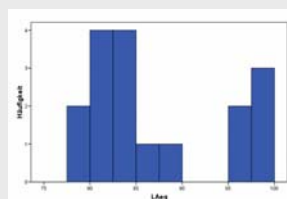
- Aim:
 - Knowledge on noise exposure in trades of the construction sector
- Up to now
 - since the 1980s measurements for 28 trades have been taken
 - that means more than 1,000 long-term-measurements
 - on more than 330 construction sites
- Measurement methods
 - personal measurements by means of noise dosimeters
 - observed measurements: tasks and machines used were recorded
- Results were presented amongst others at
 - euronoise 2006 (Tampere, FIN)
 - internoise 2007 (Istanbul, TR)



- **Collection of data was continued:**
 - another three trades were investigated (see results below)
 - six of the already investigated trades were checked for a second time by additional measurements because changes were observed
 - in machines used,
 - in applied materials, or
 - in working procedures

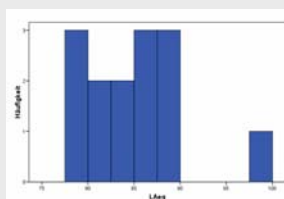
New findings:

Demolition work



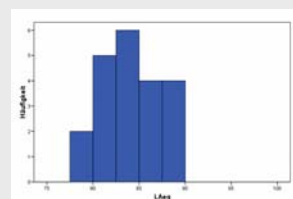
17 long-term measurements
 $L_{EX,8h} = 93 \text{ dB(A)}$

Stonemason



14 long-term measurements
 $L_{EX,8h} = 90 \text{ dB(A)}$

Ventilation fitter



21 long-term measurements
 $L_{EX,8h} = 85 \text{ dB(A)}$

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