

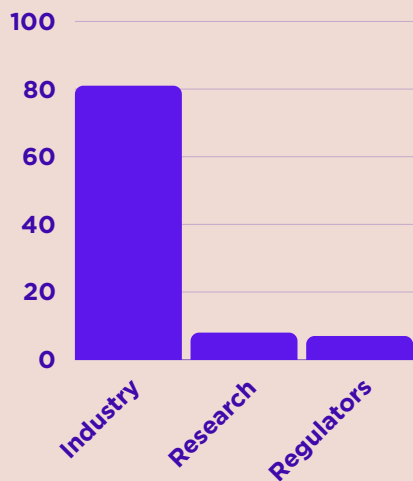


Findings from the EPHOR survey on

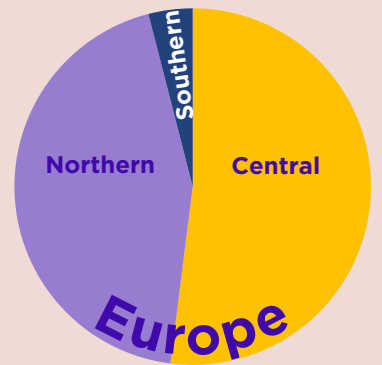
# LOW-COST SENSORS

Feedback from Occupational Safety and Health (OSH) Professionals across the UK and EU countries (May and June 2023).

## STUDY POPULATION



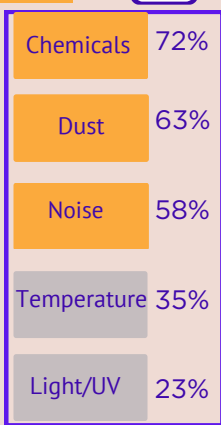
- 153 respondents
- 52% in Central Europe
  - 27% The Netherlands
  - 26% Norway
  - 14% Belgium
  - 11% Switzerland
  - 8% UK
- 81% working within industry



## HAZARDS



Chemical, dust & noise exposure most common focus for OSH professionals at work.



## CURRENT USE OF 'LOW-COST' SENSORS

36% reported use of 'low-cost' sensors to measure exposure.



- 19% area sensors



- 17% personal sensors

Examples provided suggest that respondents had misinterpreted what is meant by 'low-cost' sensors (e.g. Not real time measurement & 'high value').



## COMMON CHALLENGES IN MANAGING WORK-PLACE EXPOSURE

- Finance/budget
- Limited measurements
- OSH professionals consulted too late
- Continual challenge to engage with SMEs.



Could 'low-cost' sensors help overcome these challenges?



## SELECTED CONTENT FOR TOOLBOX CREATION

OSH professionals wanted:

- Guidance & standards on selecting sensors
- Guidance on validity & reliability of 'low-cost' sensors

Survey findings suggest a need to:

- Focus on chemical & dust exposure monitoring
- Clearly define 'low-cost' sensors
- Promote benefits & considerations for 'low-cost' sensor use.
- Prompt advanced consideration for communications (e.g. use & results of 'low-cost' sensors)



## WEEXPOSE

We are developing guidance for inclusion in the **WEExpose** online Toolbox. This will support OSH professionals to improve workplace exposure monitoring through use of 'low-cost' sensors.



<https://www.we-expose.eu/>