

Metrics for Healthy Buildings

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Technical Memorandum

TM40 Health & Wellbeing

Environmental parameters

Air quality

Humidity

Thermal conditions

Light

Water

Electrical & electromagnetic fields

Acoustics

What is "good"?

Design measures vs Desired outcome

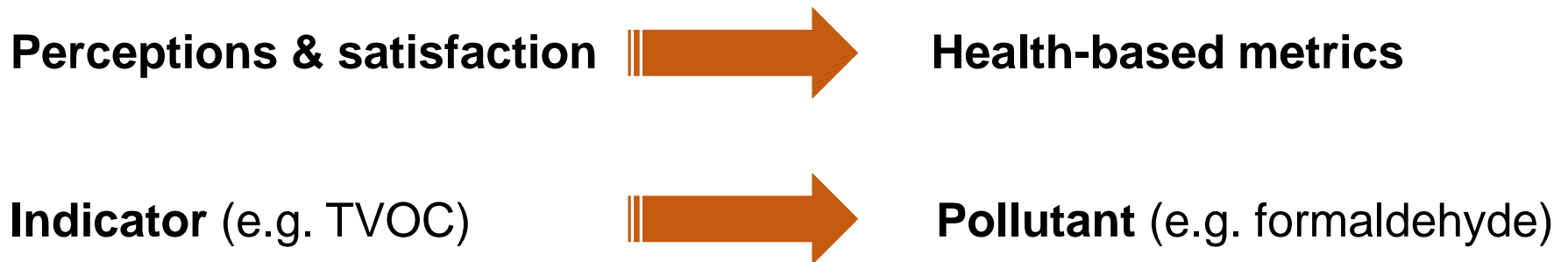
Ventilation rates vs indoor air quality

Building Regulations: *"There shall be adequate ventilation"*

Approved Document F:

"It is assumed that the outside air is of reasonable quality.

This AD does not address contamination from outdoor sources."



What is "good"?

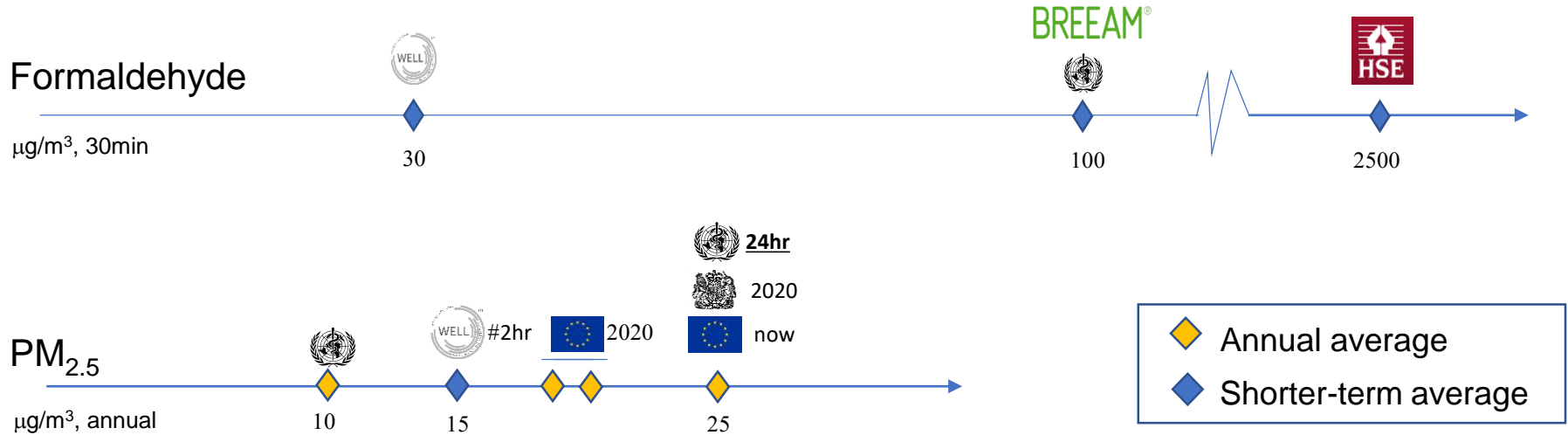


- Science-based criteria (where possible)
- World Health Organization



- Medical conditions and individual sensitivities

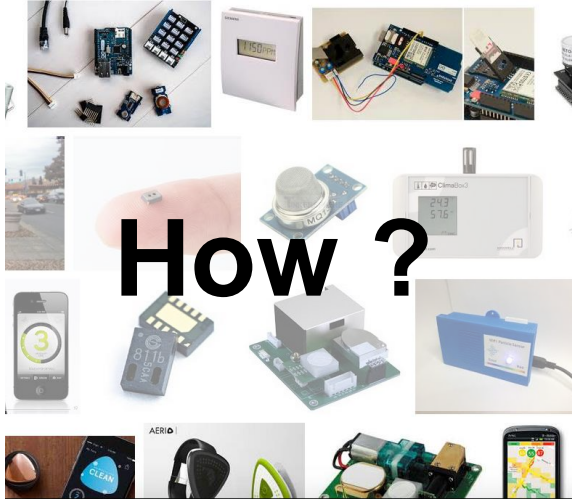
Air Quality



Broadly consistent with other emerging guidance

e.g. BS ISO 17772-1:2017, Public Health England, revised BB101

BPE



How ?

What works (or not) ?

Effects on Health & Performance

- New VOCs, CO₂, cocktails ...

Thank You

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**EU Withdrawal Bill &
DEFRA consultation**

Precautionary Principle