

# Comprehensive Odour Assessment Practices

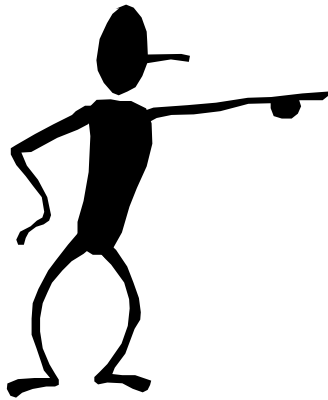
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Michael McGinley

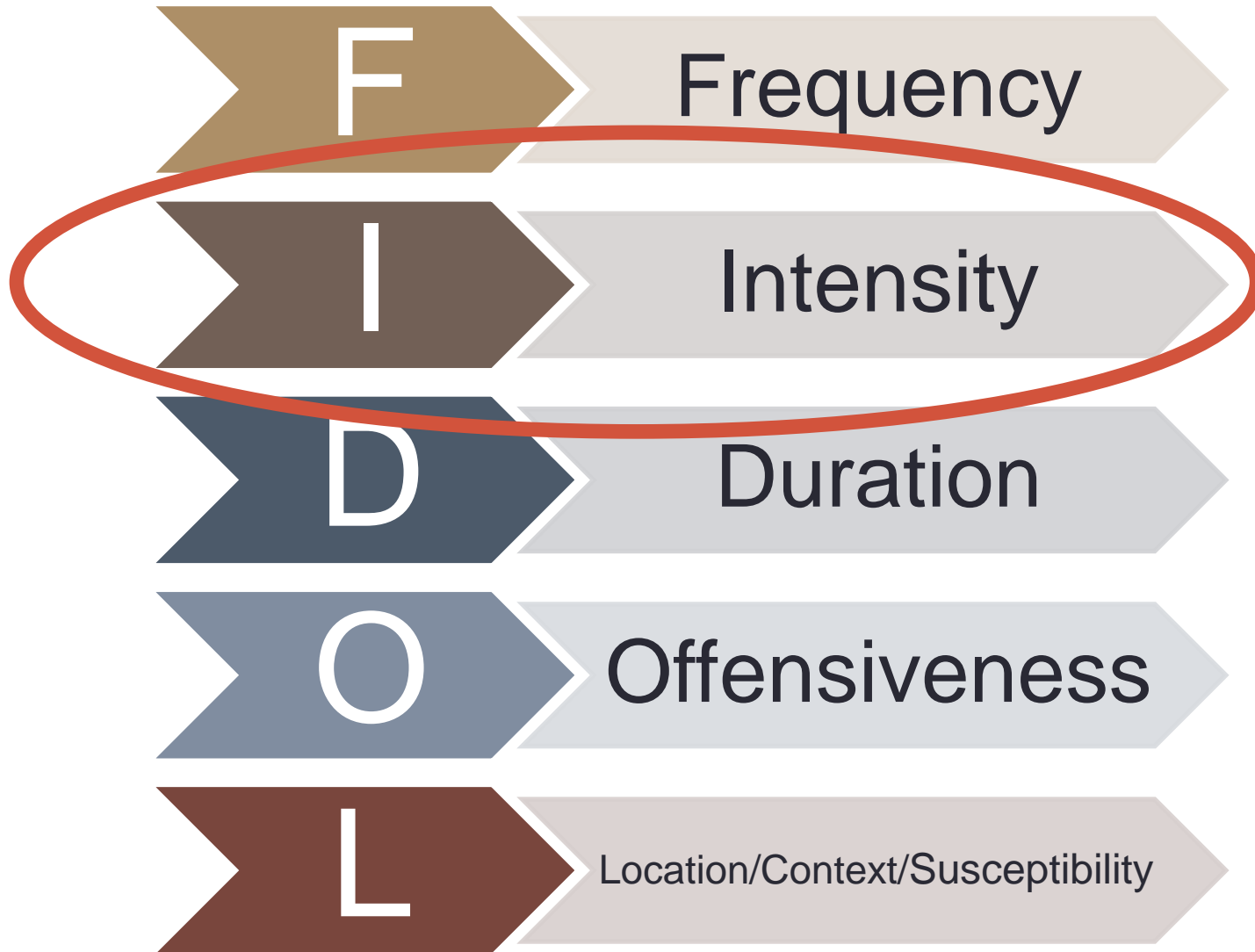


St. Croix Sensory, Inc.

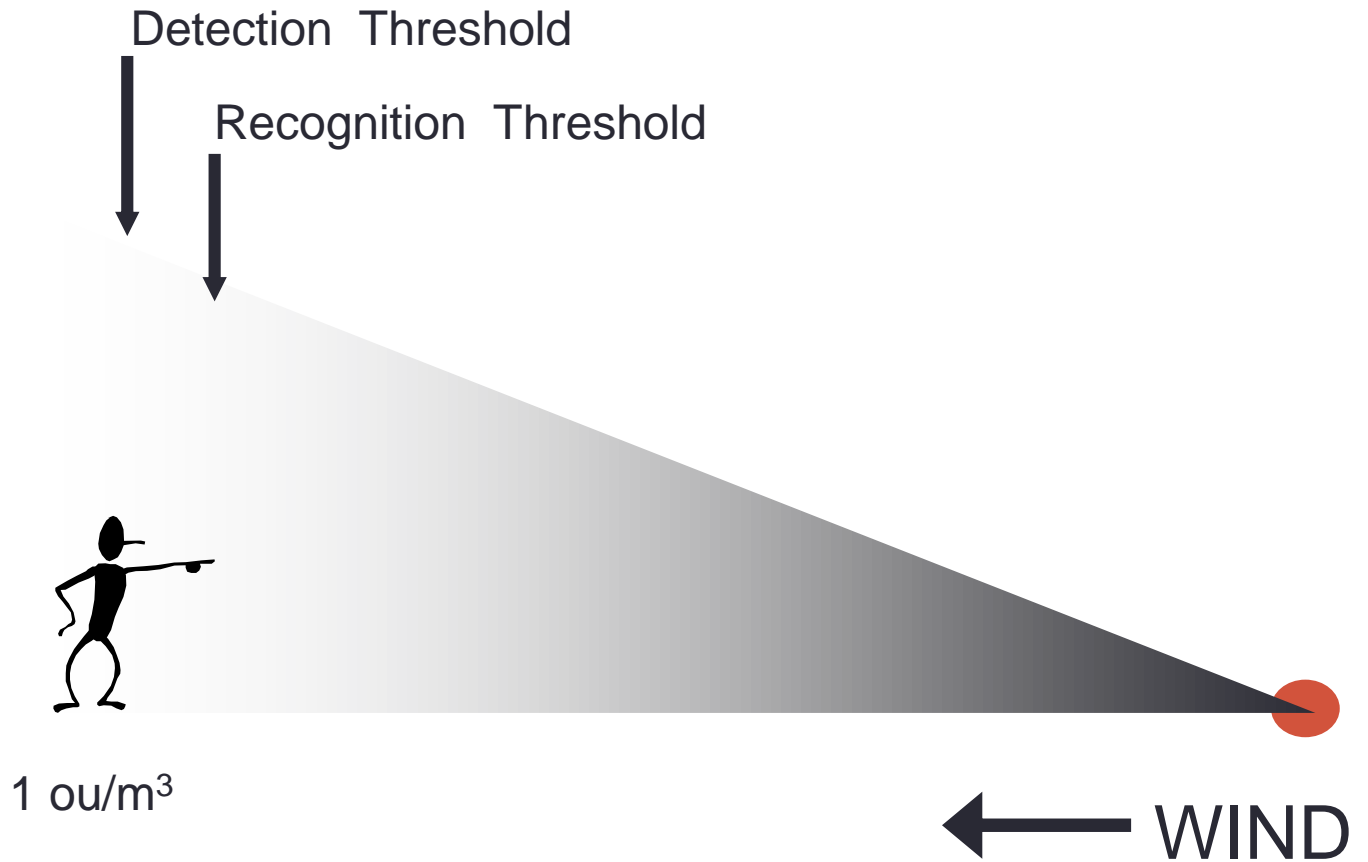
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# Odour Complaints

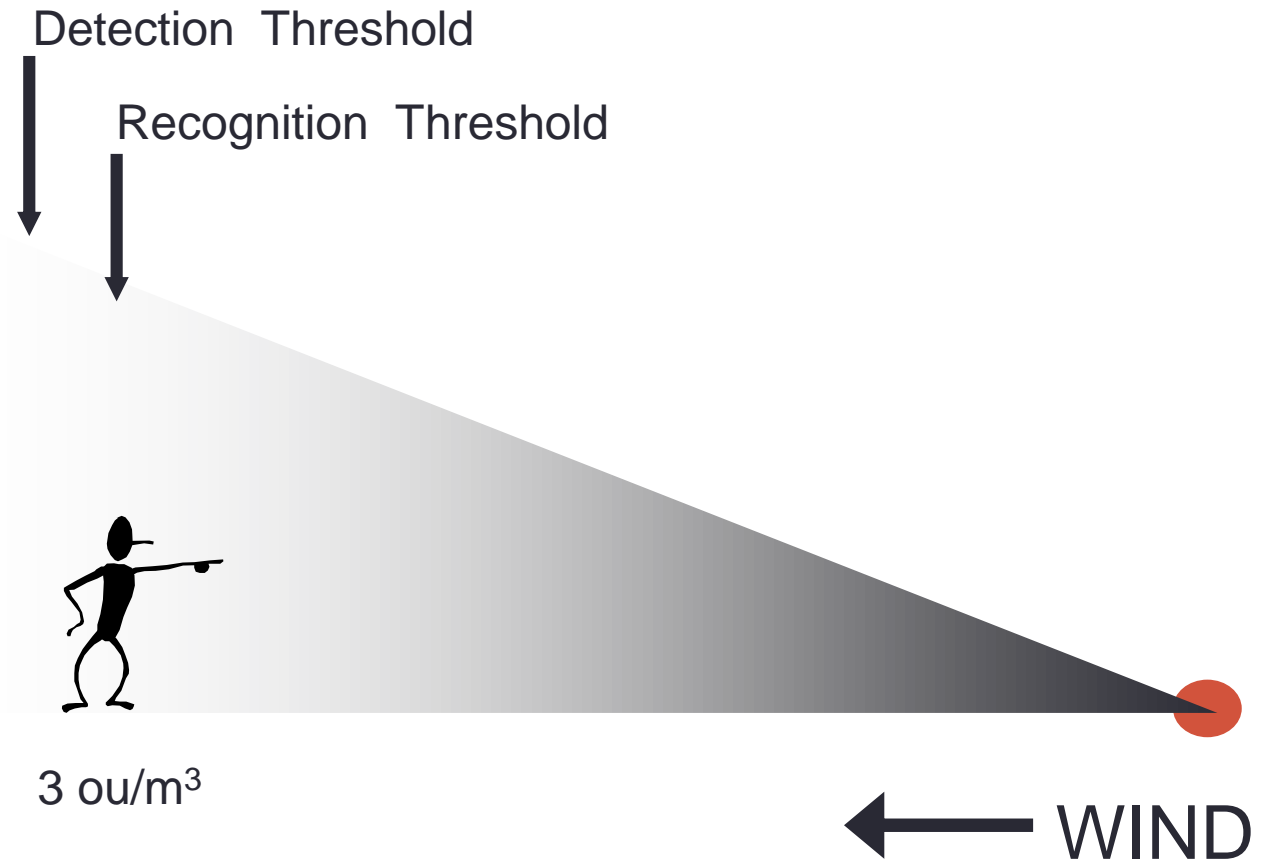


## Dilution of Odor in the Ambient Air



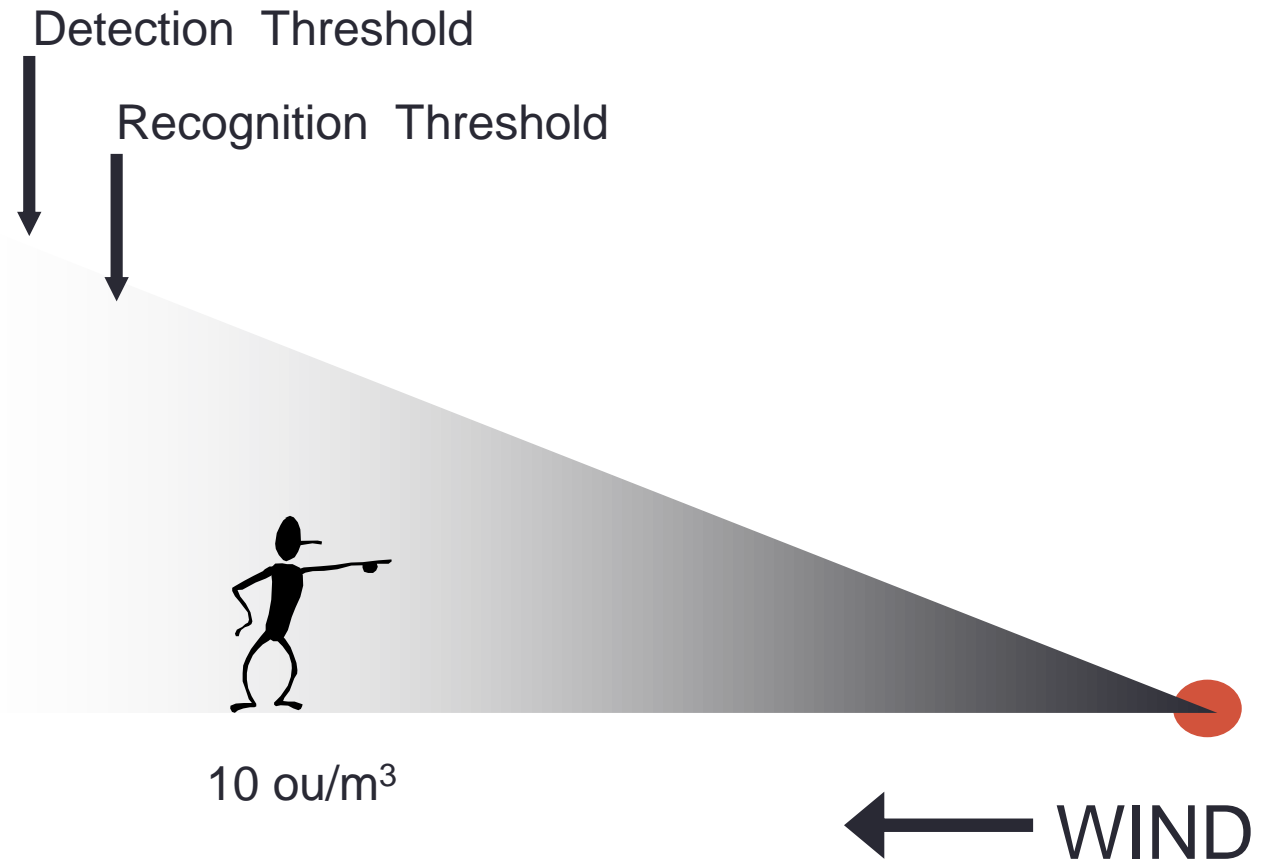
Source Measurement with Dispersion Modeling

## Dilution of Odor in the Ambient Air



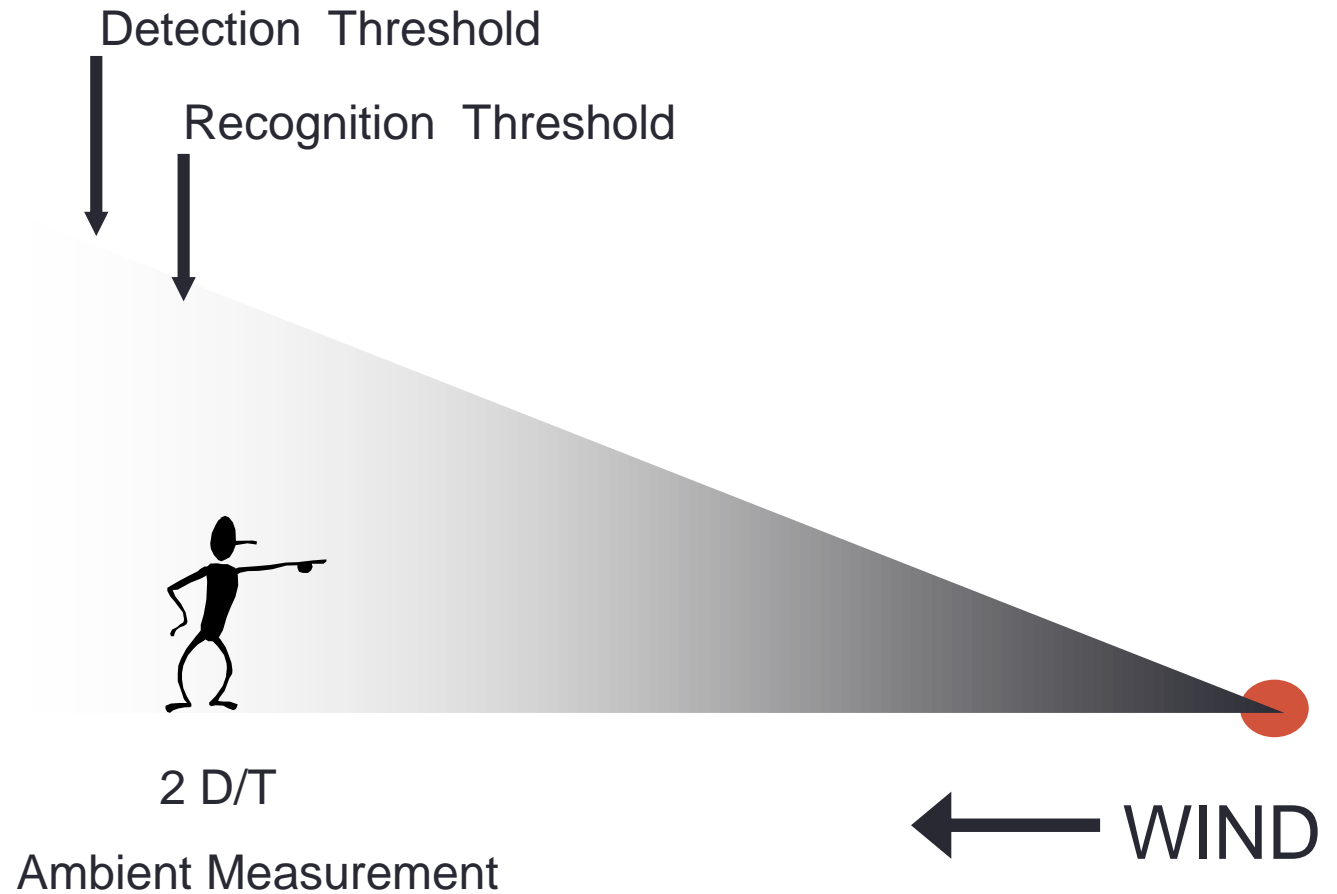
Source Measurement with Dispersion Modeling

## Dilution of Odor in the Ambient Air

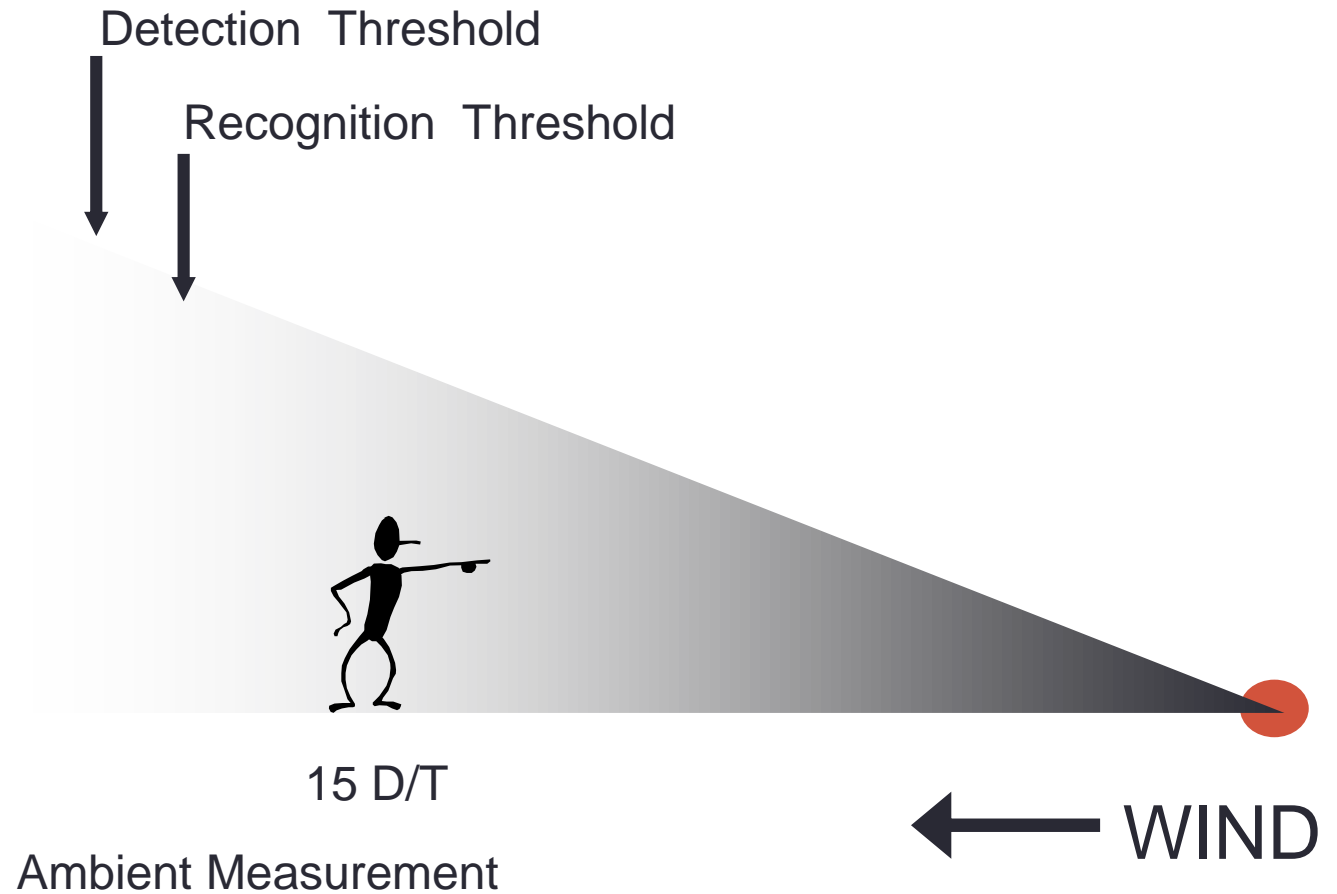


Source Measurement with Dispersion Modeling

## Dilution of Odor in the Ambient Air



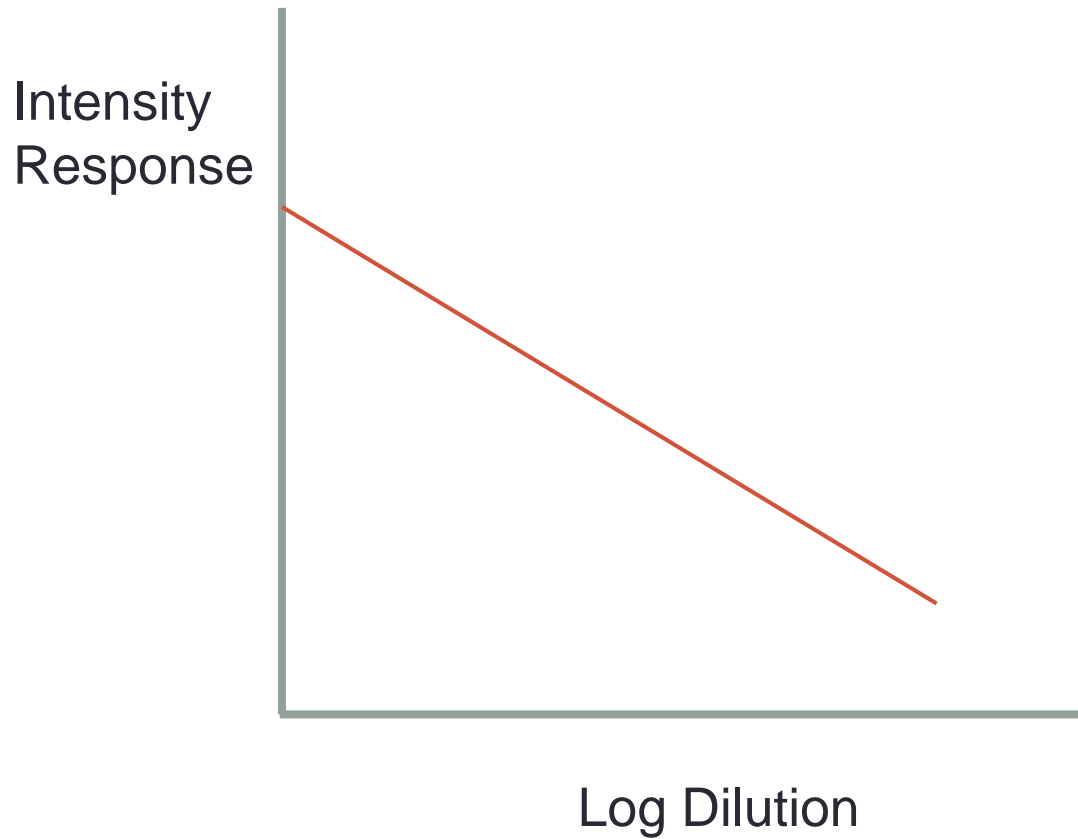
## Dilution of Odor in the Ambient Air





# Weber-Fechner-Stevens

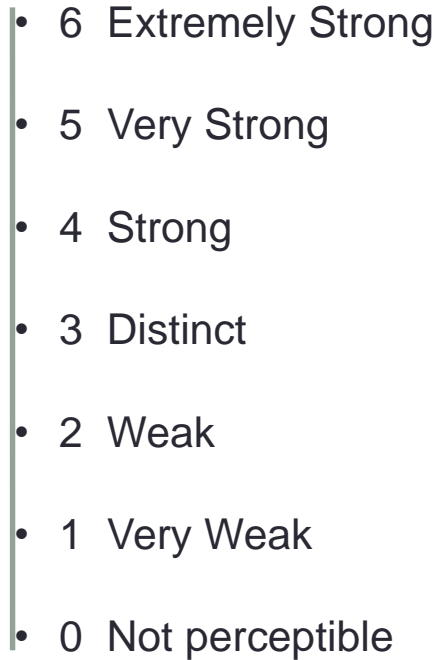
## Dose-Response Relationships



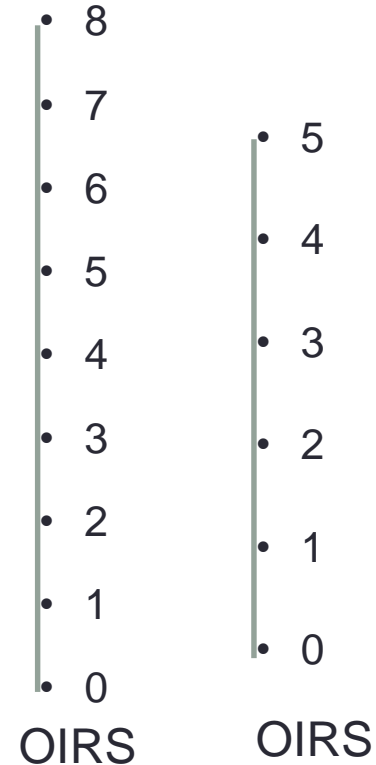
# Intensity Response



Metric  
Word Scale



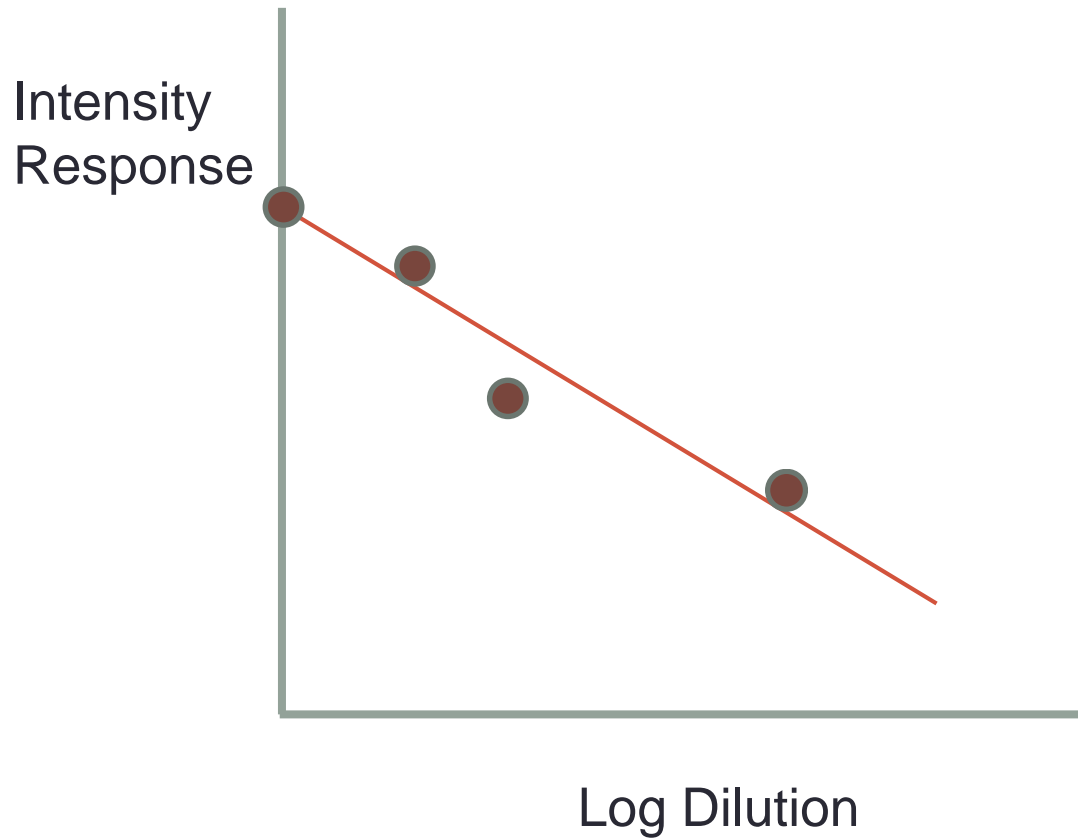
VDI  
Word Scale



Butanol Conc.  
(ASTM E544)

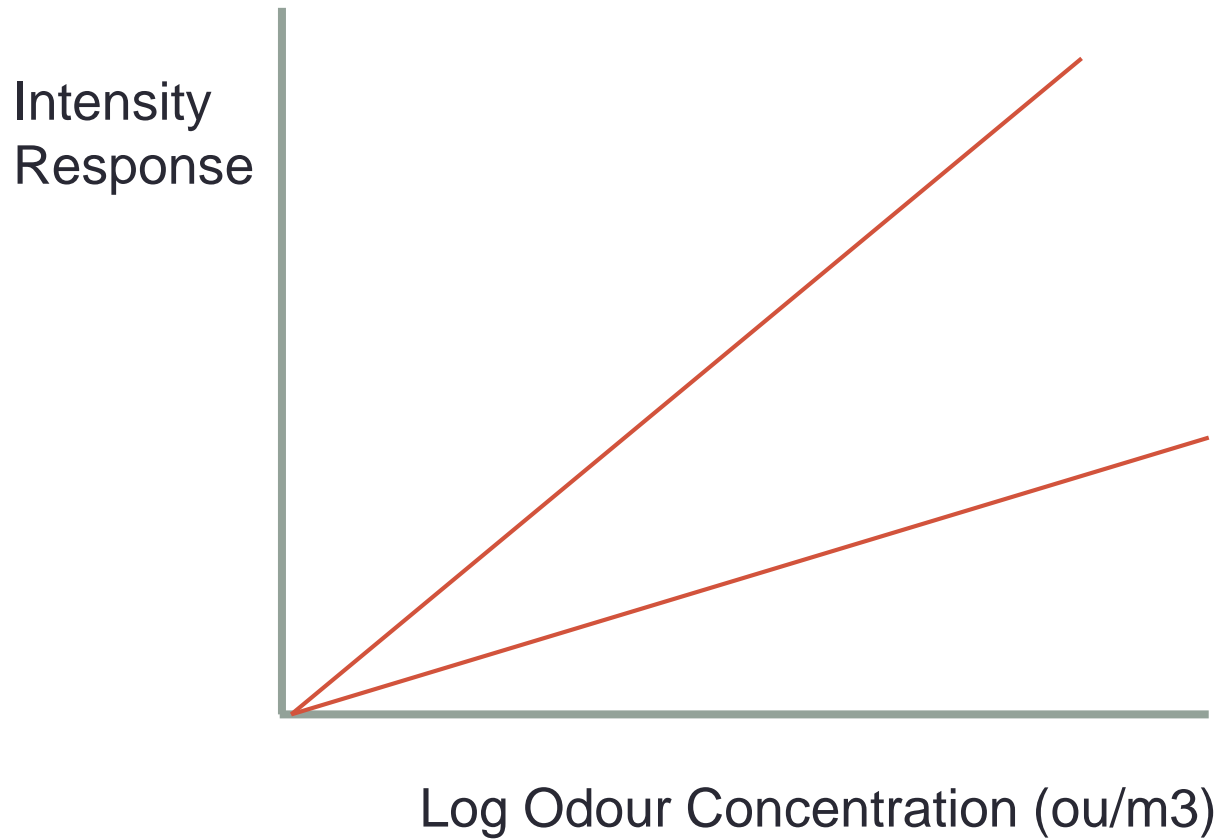
# Weber-Fechner-Stevens

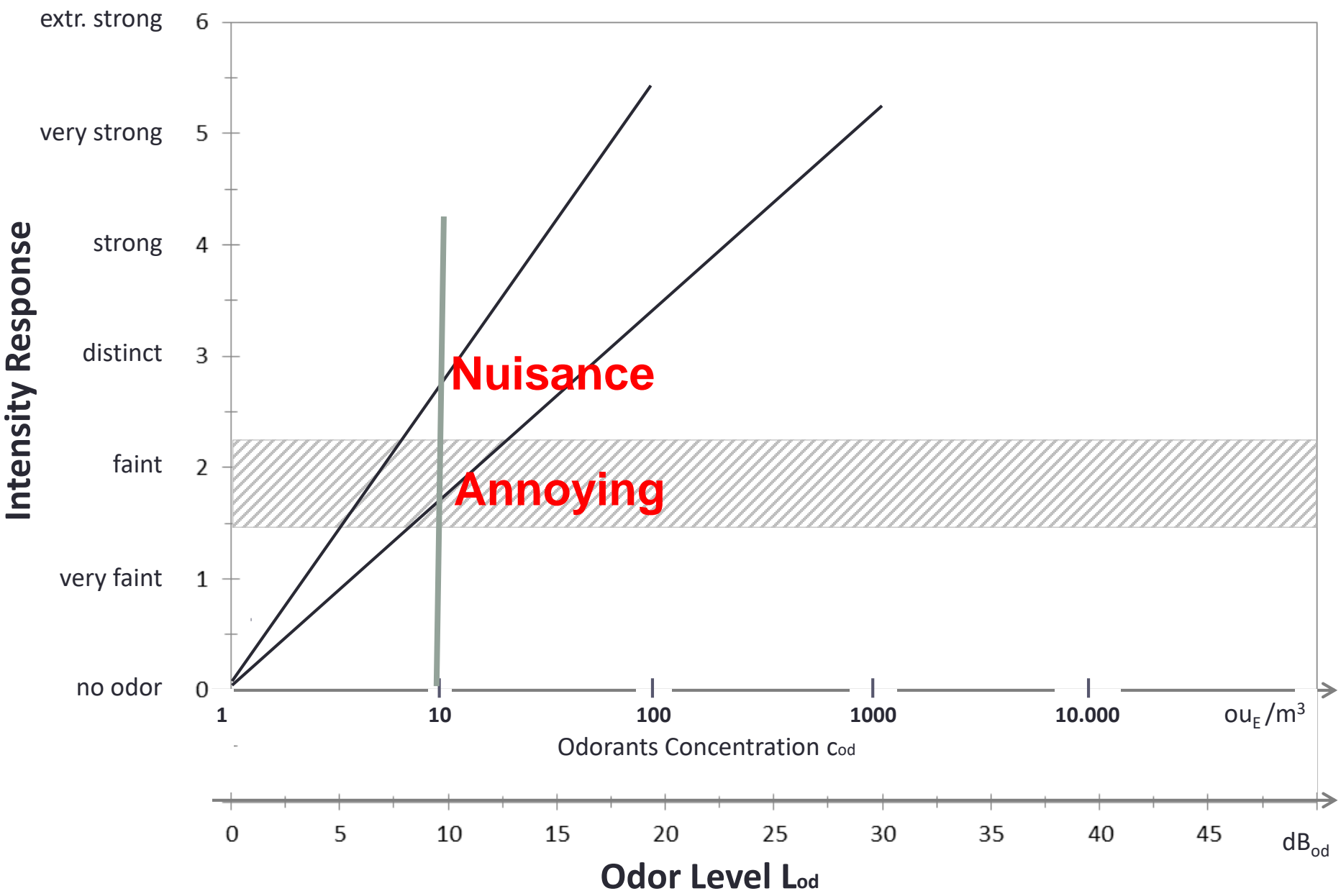
## Dose-Response Relationships

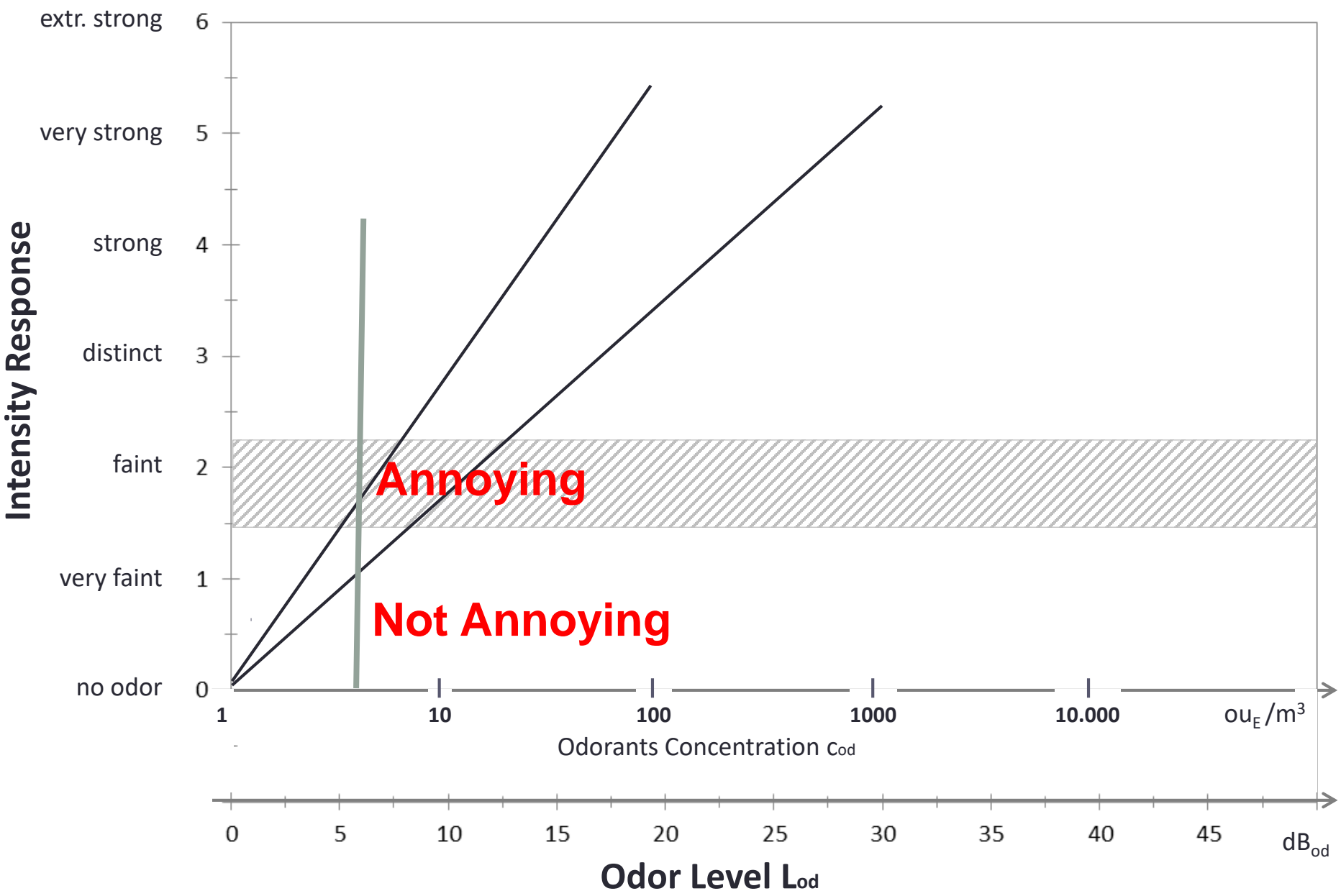


# Weber-Fechner-Stevens

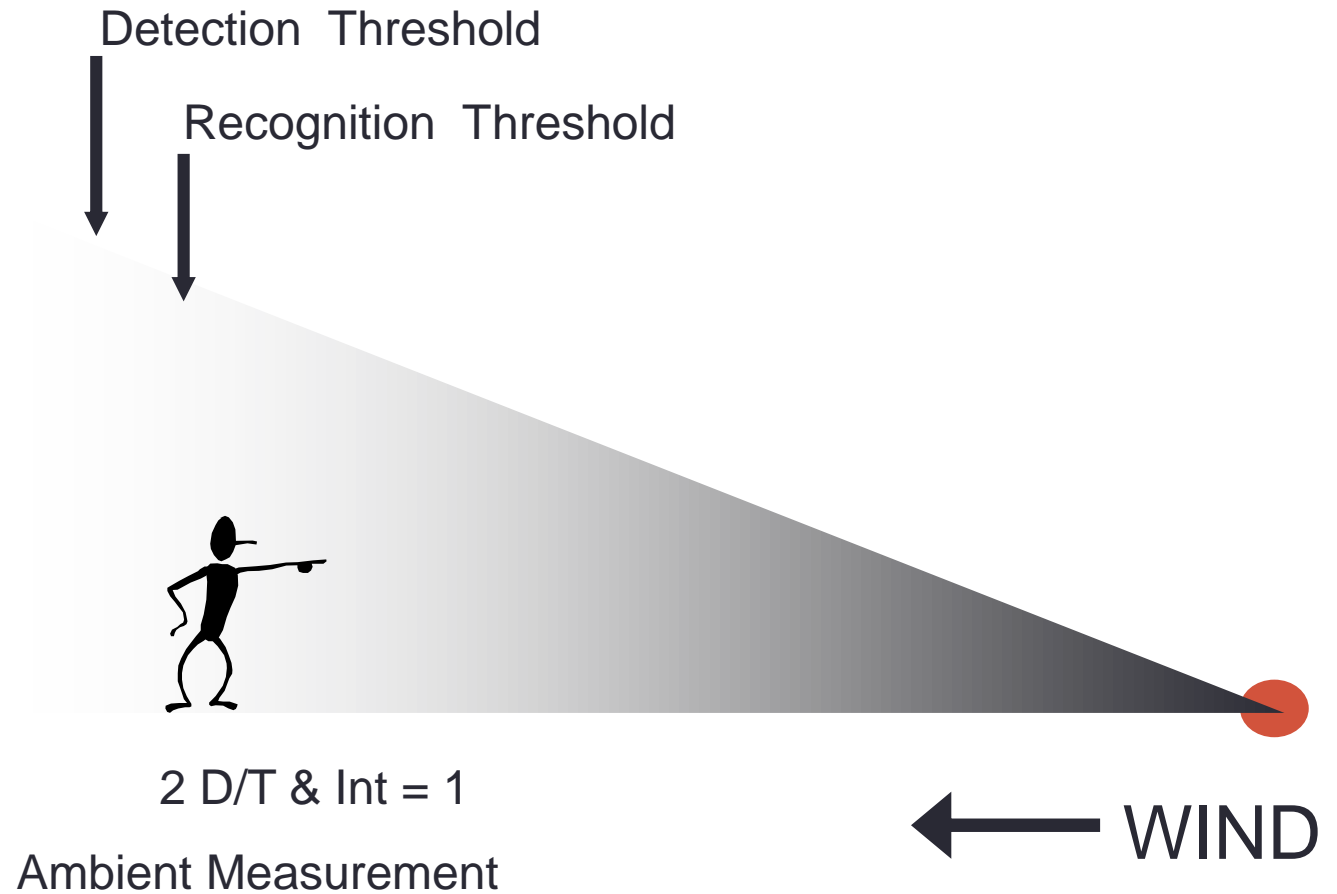
## Power Law Relationship



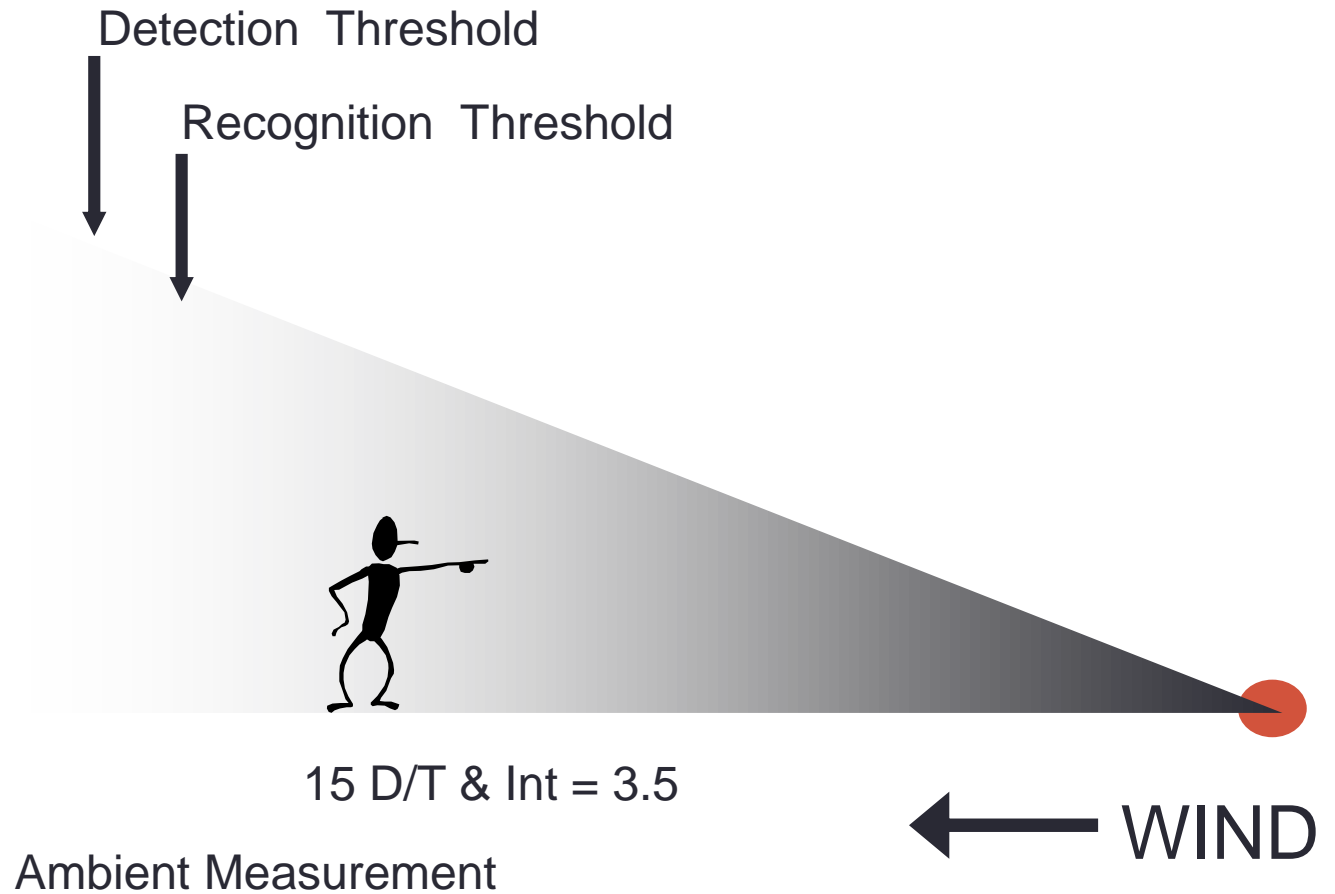




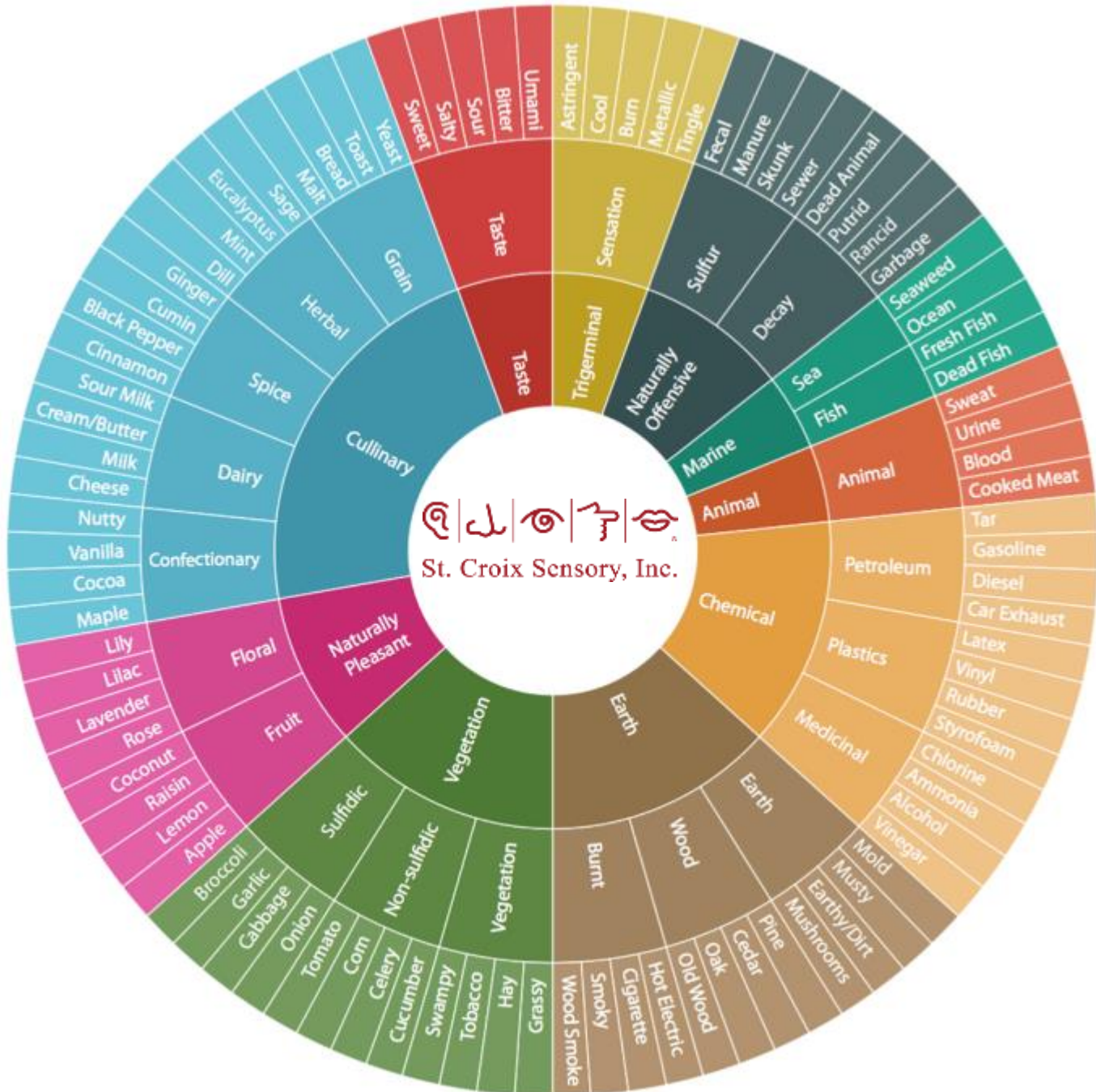
## Dilution of Odor in the Ambient Air



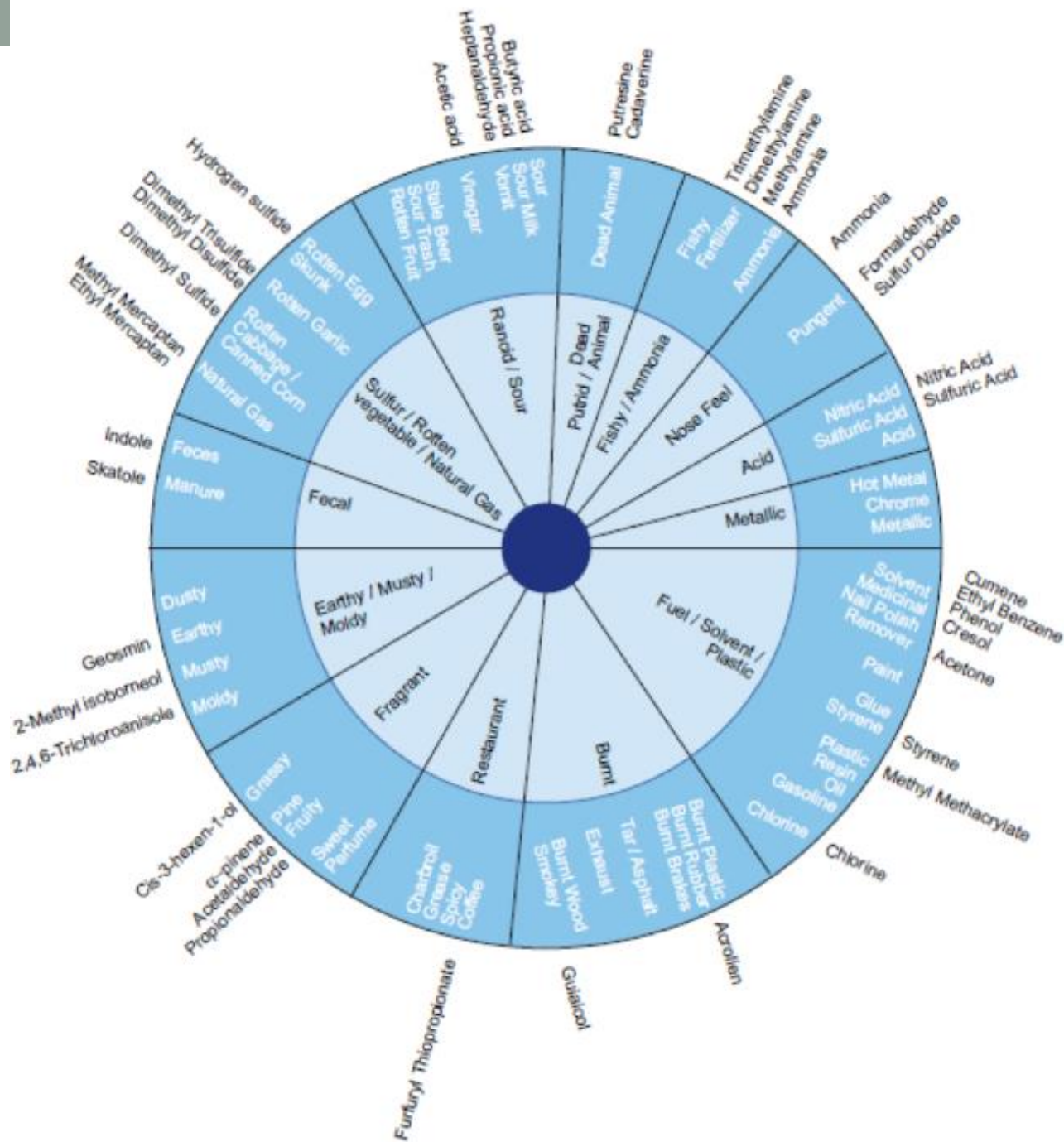
## Dilution of Odor in the Ambient Air





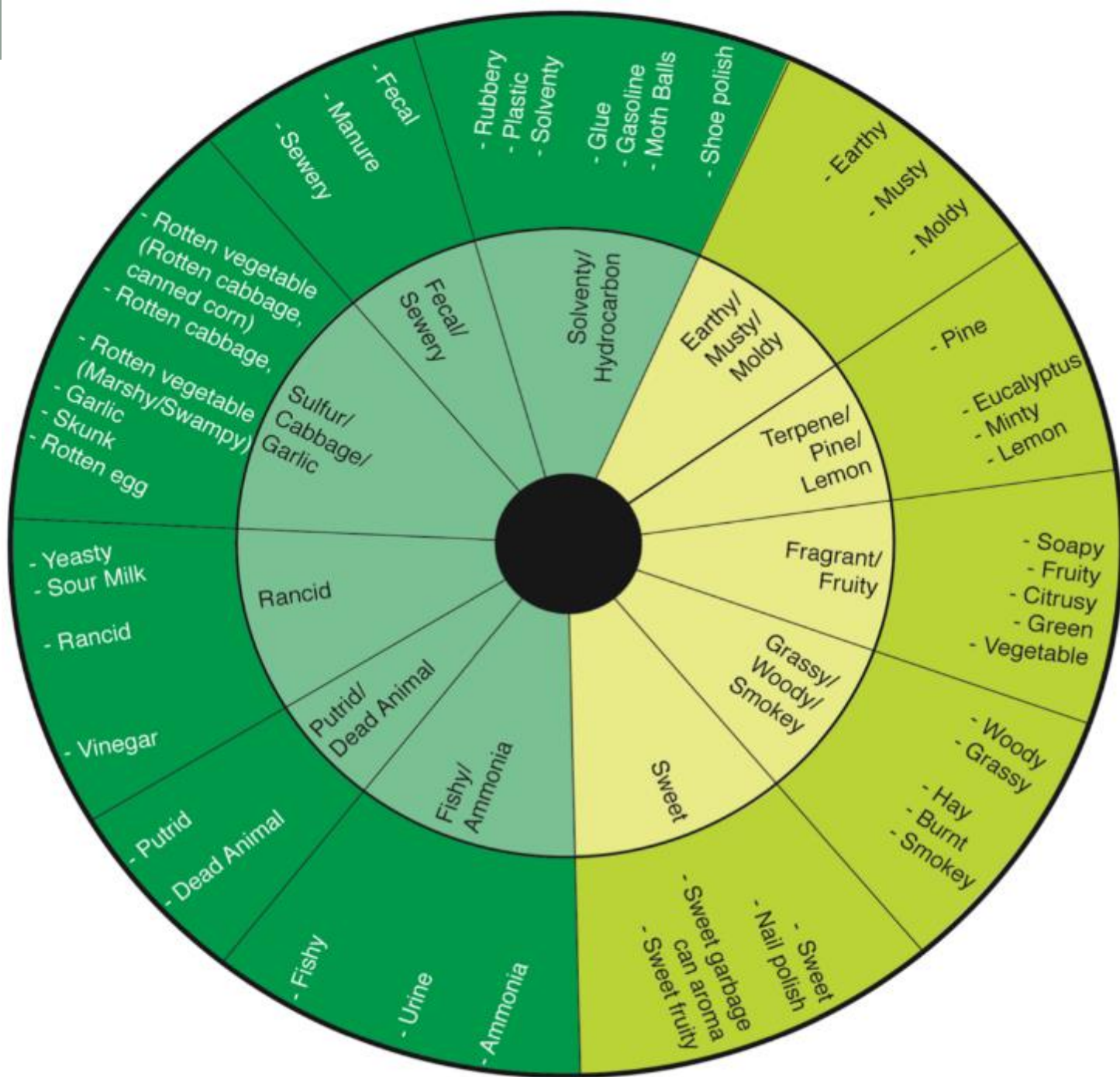


# Urban Odor Wheel



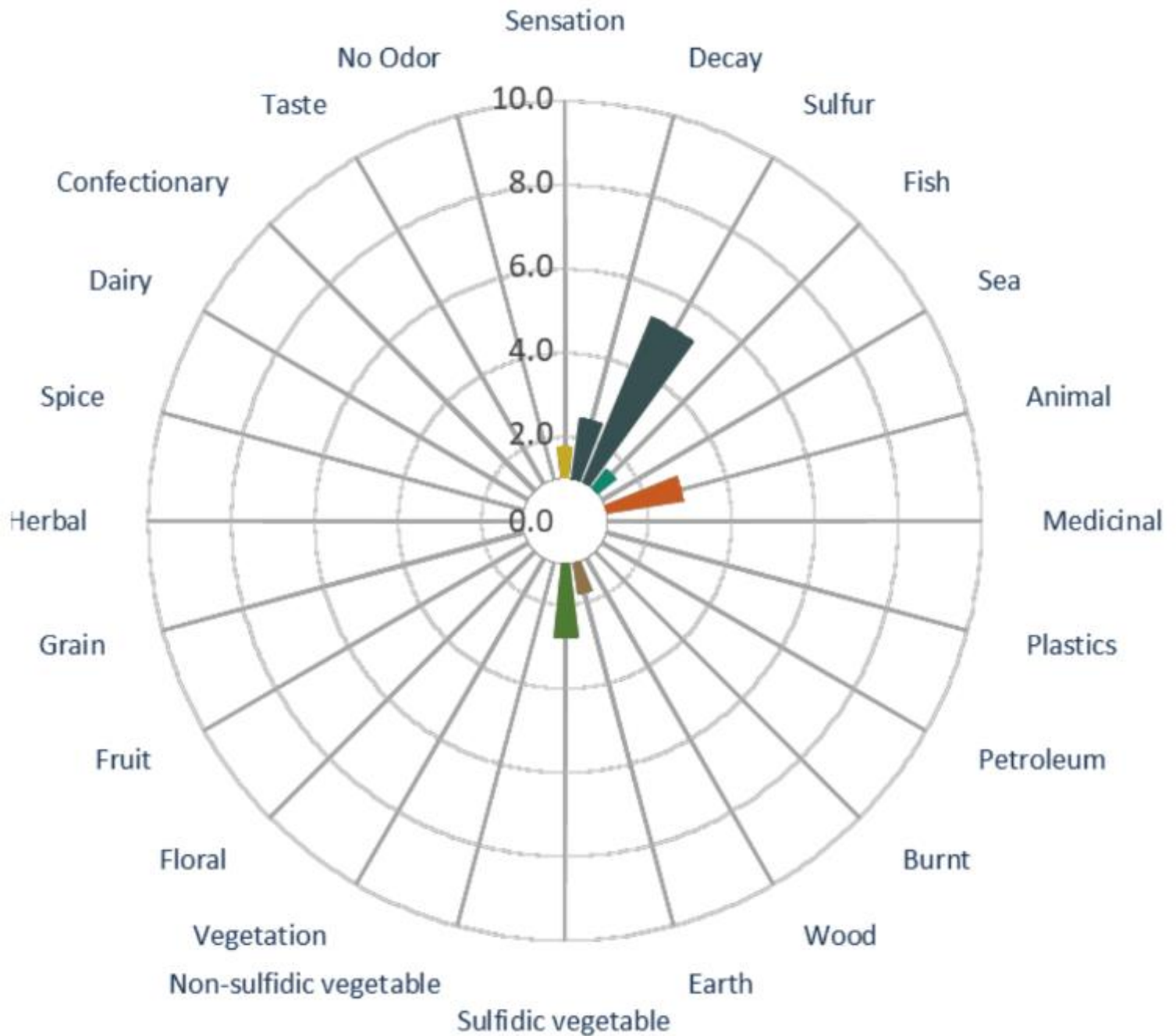
Developed by  
Dr. Mel Suffet  
UCLA

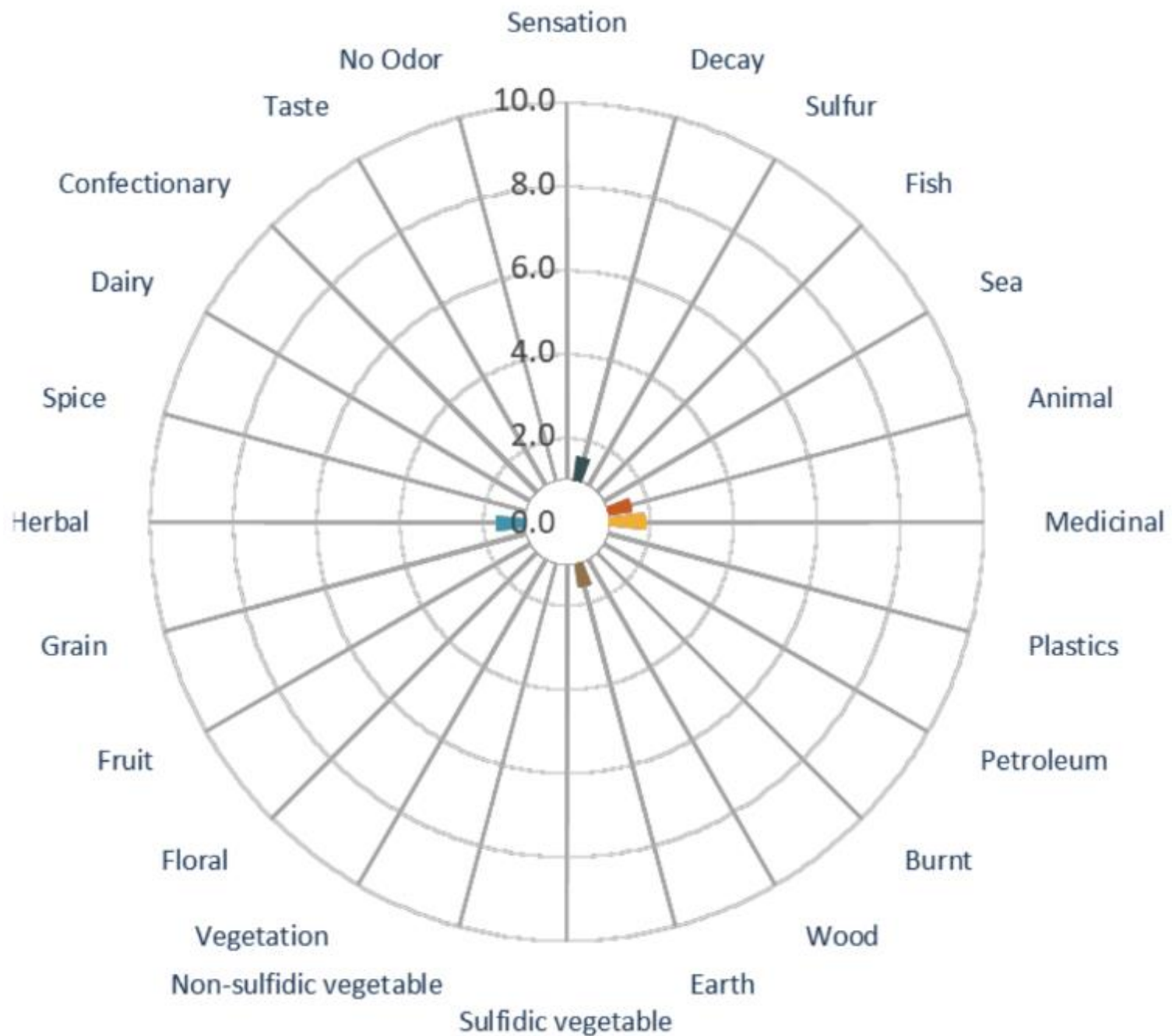
# Compost Odor Wheel

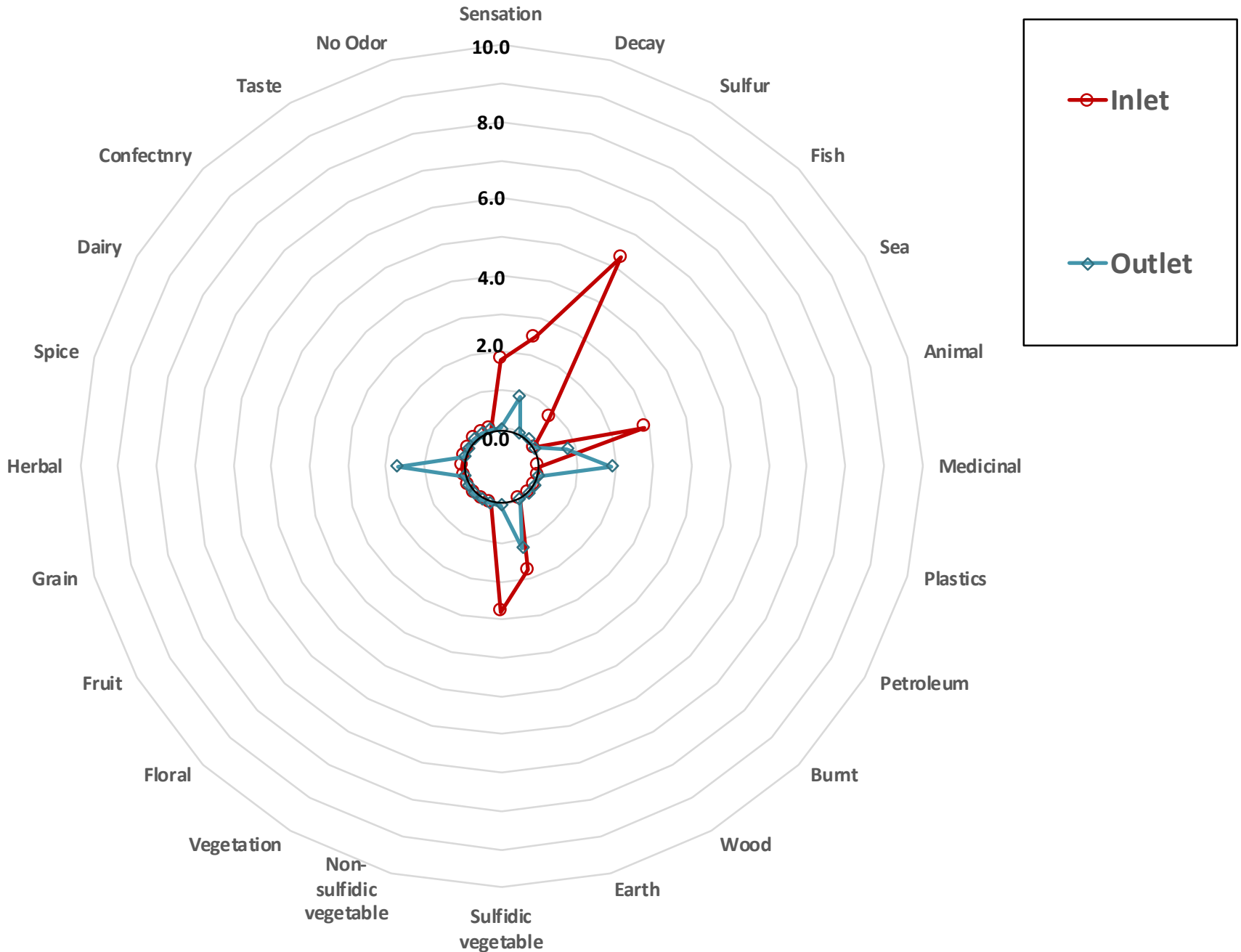


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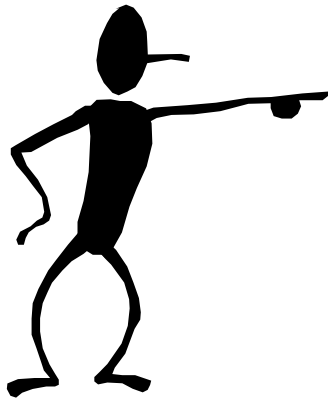








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Threshold is only part of the story!  
This plume has: **Intensity & Character**