



NICE

Air pollution: outdoor  
air quality and health  
guideline

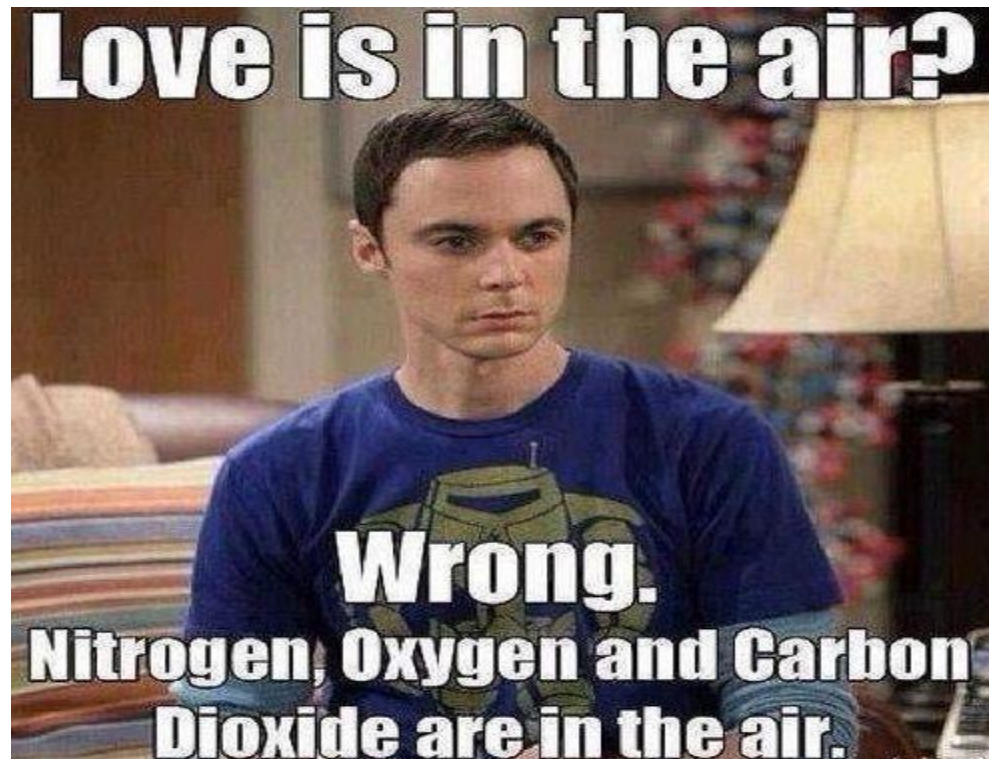
LGA:ADPH conference

9 March 2017

Paul Lincoln

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## Air pollution



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## NICE Guidance Air Pollution: outdoor air quality and health

- Traffic related air pollution- Local organisations (NOT NATIONAL)
- Particulate matter, Nitrous oxides and ozone
- Audience - Local Authorities – transport, planning, AQ management, Public health, elected members, NHS,VCS, Educationists, Public
- Not mandatory – solid foundation for informed considerations
- Final publication – June onwards
- New NICE guidance - Indoor air pollution – 2018
- Evidence based- extensive systematic reviews

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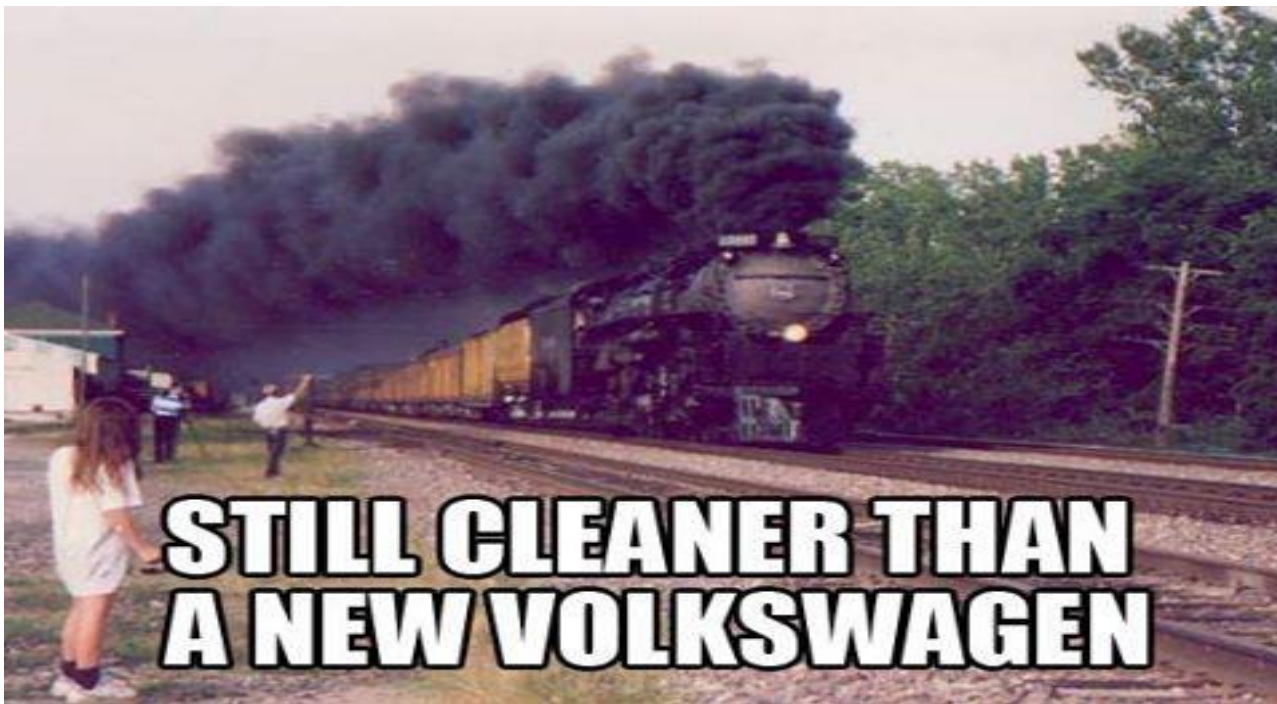
Interesting developments along the journey!



**#Dieselgate**

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## The saga continues



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## Evidence

- OECD countries
- Effective interventions
- Economic evaluation
- Constantly developing evidence base
- Committee expertise- Local Authorities, public health, air pollution, economic etc. experts and Councillor's

# Evidence



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## Recommendations

- Planning
- Clean Air Zones
- Public transport services and fleet vehicles
- Smooth driving and speed reduction
- Cycle routes
- Awareness raising

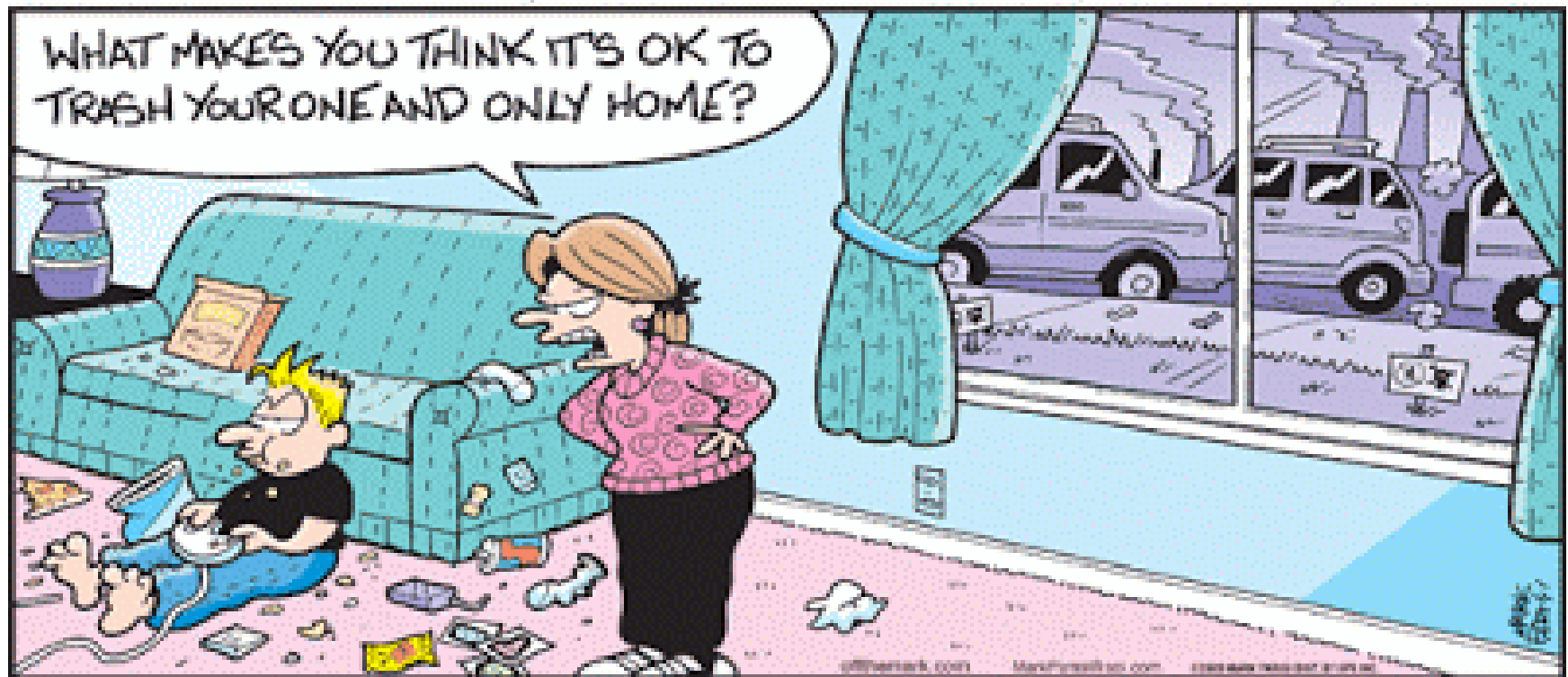


# Air pollution – the generations

off the mark.com

by Mark Parisi

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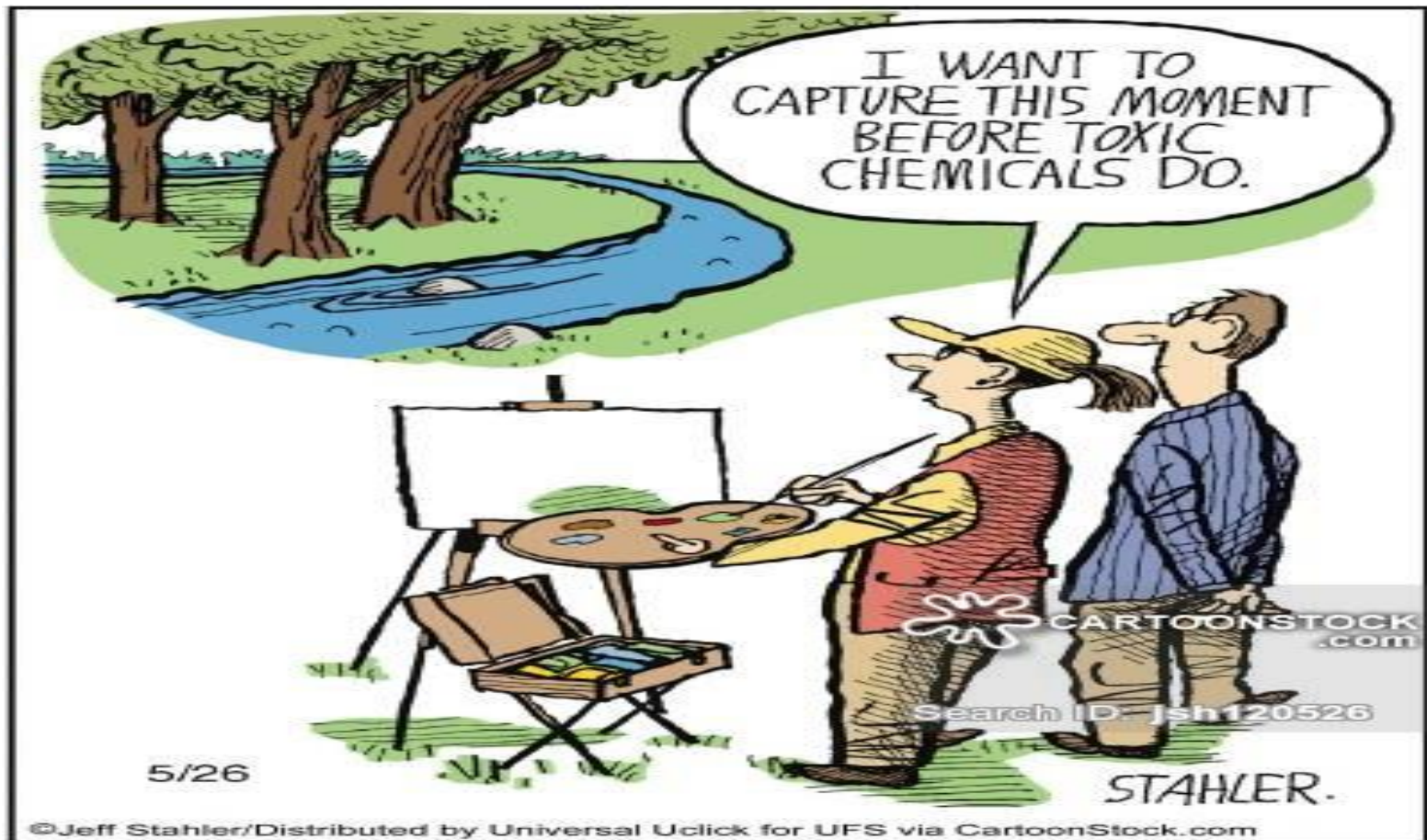
## Features

- Fundamental basis for planning
- Low and zero emission goals
- Staged strategy
- Public awareness
- Health inequalities and equality
- Co –benefits such as active travel, accident prevention, climate change, sustainable development, the urban scape etc.



# SUSTAINABLE DEVELOPMENT GOALS

## Planning - air quality/pollution



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# Planning

- Strategic and regional plans
- All local authority departments
- Assess site plans
- Travel plans
- Trees and vegetation
- Supplementary planning guidance and community infrastructure levy

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## Clean air zones

- National air quality framework
- EU limits or below
- Support for low/zero emission travel, active travel
- Fuel efficient driving initiatives e.g. no idling areas, driver training, smooth traffic flow
- Public awareness initiatives
- Working across LA boundaries
- Congestion charging zones

**VOLKSWAGEN DIESELS  
ARE EMISSION EFFICIENT**



**ONLY DURING  
EMISSIONS TESTING**

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## Clean Air Zones – DEFRA elements

- Mandatory and voluntary basis (without charging)
- Low to zero emission or move to ultra low emission
- Groups of vehicles
- Public transport- low/zero emission
- Integrated public transport
- Park and ride
- Urban traffic management
- Parking
- etc.



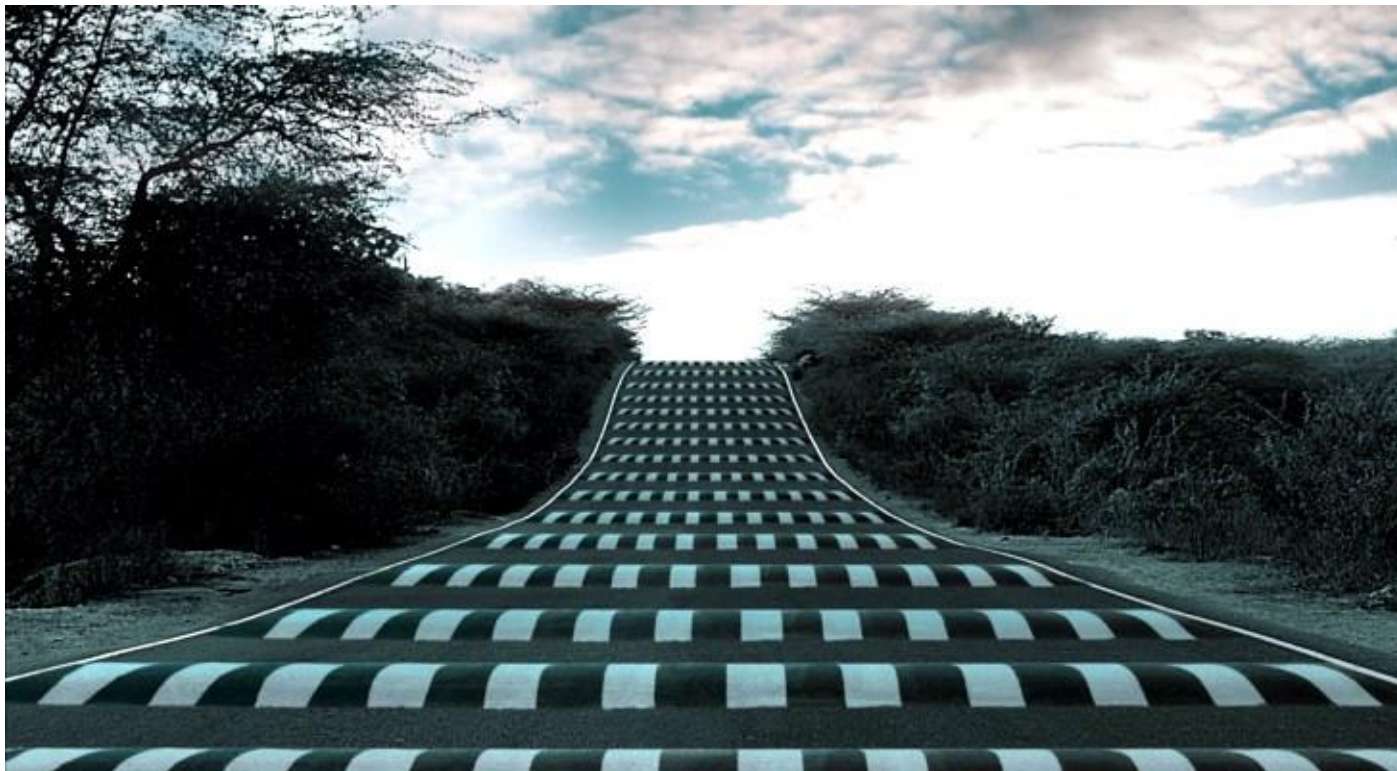
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## Reducing emissions from public sector transport services and fleet vehicles

- Driver training – fuel efficient driving, vehicle emissions, smooth driving, idling, maintenance, financial savings
- Technical measures
- Monitoring fleets fuel consumption
- Procurement

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# Smooth driving and speed reduction



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## Smooth driving and speed reduction

- Motorways and major roads
- Reduced speed in urban areas



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## Cycle routes

- Siting
- Design

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## Awareness raising



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## Awareness raising

- General public, health system, businesses and workplaces
- At risk groups
- ST and LT exposure



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## Future Generations Act





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## The public health message – “No Idling”

