1st EnVIE Workshop Indoor Air Quality & Health 5-6.3.2008, Crowne Plaza 'Le Palace', Brussels

The EnVIE approach

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Background

- The DGSanco funded and JRC/IHCP coordinated IndEx project, 2002 -2005, identified a shortlist of indoor air pollutants
- **Benzene, formaldehyde, carbon monoxide, nitrogen dioxide** and **naphthalene**
- For these sufficient information exists about indoor sources, exposures and health effects at the existing exposure levels to set indoor exposure limits

EnVIE objectives

- Unlike many projects, EnVIE does not start from chemicals but from health, and EnVIE does **not** aim at **many, but few**
- For the most common health effects of indoor pollution EnVIE searches the key exposures, for exposures the key sources, and for the sources the key policies to effectively reduce and eliminate these effects

Key public health impacts related to IAQ

Sept.24.2007

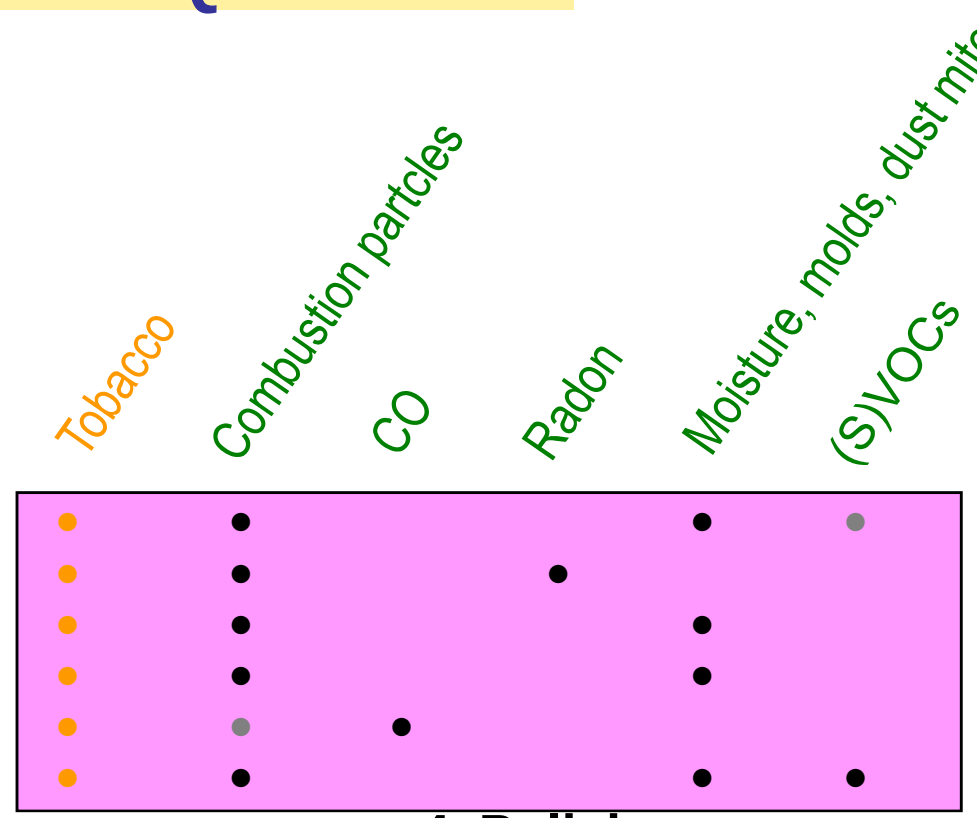
2. Exposures

1. Effects

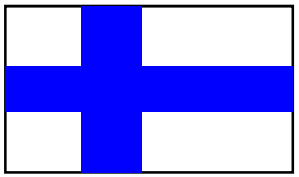
Allergy & asthma symptoms
Lung cancer
Obstructive pulmonary lung disease
Airborne respiratory infections
Cardiac morbidity and mortality
Odour and irritation

3. Sources

Outdoor air
Building/Equipment/Ventilation
Consumer products
Occupant behaviour & maintenance



4. Policies



Indoor Air Research in FINLAND

Cross sectiontion of the FiSIAQ Indoor Air Seminar (March 2007 in Espoo) presentations in the EnVIE framework

		2. Exposures					
		ETS	particles	CO	Rn	**dampness & bioaerosols**	(S)VOCs & indoor chemistry
1. Health effects					215/2	71/2 77/2	181/2
allergy & asthma						59/1	
lung cancer							
COPD							
respiratory infections			49/1			49/1	
CV-mortality & morbidity							
odour and irritation							
						4. Policies	
3. Sources & causes						17/3 77/3	
outdoor air pollution	205/2						
building/equipment/ventilation	29/4 35/4 41/4 123/4 137/4 143/4 147/4 153/4 161/4 227/3 247/3 253/4 257/4 265/3		23/4 161/3		91/4 215/2 221/2	11/3 53/4 59/4 65/3 83/4 97/3 103/4 115/4 165/4 235/3	109/4 175/4 193/2
consumer products						11/3	
occupant behaviour							

1st EnVIE Conference June 2007 in Helsinki

- The Conference was organised as a Satellite for Clima 2007, and it covered the EnVIE approach from health effects to exposures and sources

1st EnVIE Workshop March 2008 in Brussels

- The current Workshop reviews the most recent, ongoing and starting European projects on IAQ, Indoor exposures, and health

2nd EnVIE Conference October 2008 in Brussels

- The Conference will focus on the EnVIE approach from exposure to sources and policies
- The objective is to identify and justify a **shortlist of critical IAQ policies, which would have maximal Europe wide public health benefits**

General questions to our invited speakers

- *The EnVIE approach starts from health impacts and works step by step to policies. In which way would your project contribute to this process?*
- *Does your project link occupant health to IA exposures, sources and/or preventive measures? If so what are the main results & findings?*
- *Which particular steps of progress have you observed in the recent years regarding knowledge, practice and policies on IAQ and health?*
- *What are the greatest technical or administrative obstacles hindering the improvement of healthy indoor environment?*
- *What would be your most urgent suggestions for EU policies on IAQ and health, including R&D?*

Exposure questions to our invited speakers

- *Which new indoor exposure data Europe are you aware of? Particularly for ETS, combustion PM, CO, Rn, bioaerosols, [S]VOCs? What populations do these data represent?*
- *Which indoor exposure modelling techniques have been used for generating indoor exposure data? For which purposes? Model validations?*
- *Are these or other exposures attributed to indoor and outdoor sources?*
- *What kinds of indoor exposure survey designs have been applied? Pros, cons?*
- *Interest is marginal for methodologies, big for results and great for policy implications*