



# **Indoor Air Quality presentation from invited Institutions DG SANCO Public Health Directorate**

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# Significance of Indoor Environments

**Time Spent Indoor**

**Intake Fraction**

**Possible Combination + Mix**

**Number of Sources**

# Significance of Health Effects

## e.g. Carcinogenic Effects

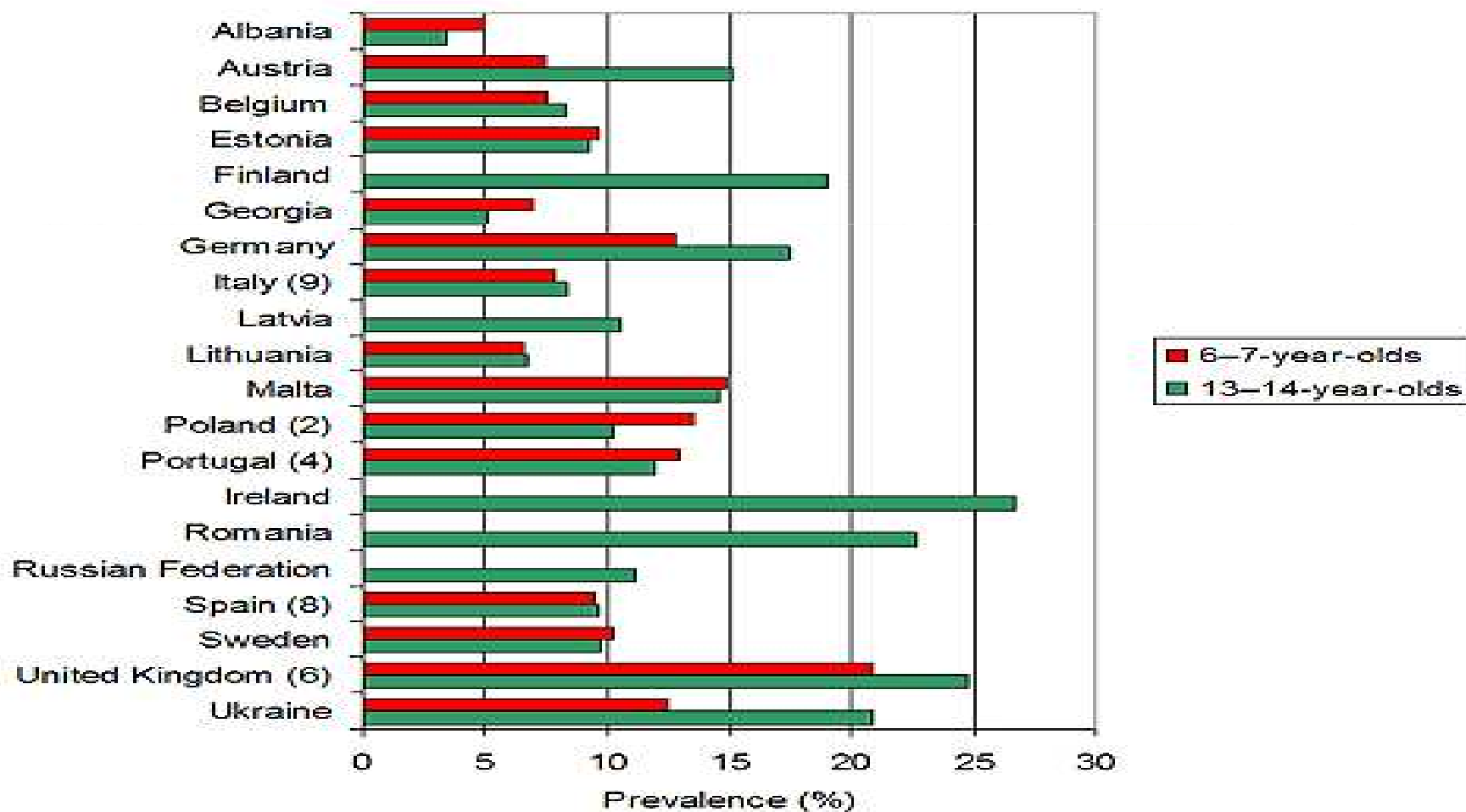
- Formaldehyde
- Benzene
- ETS
- Radon
- Naphthalene
- Particles

### Figures

- Radon 9% deaths lung cancer
- ETS 79.000 deaths/yr in EU
- Benzene Leukemia 30% of childhood cancer

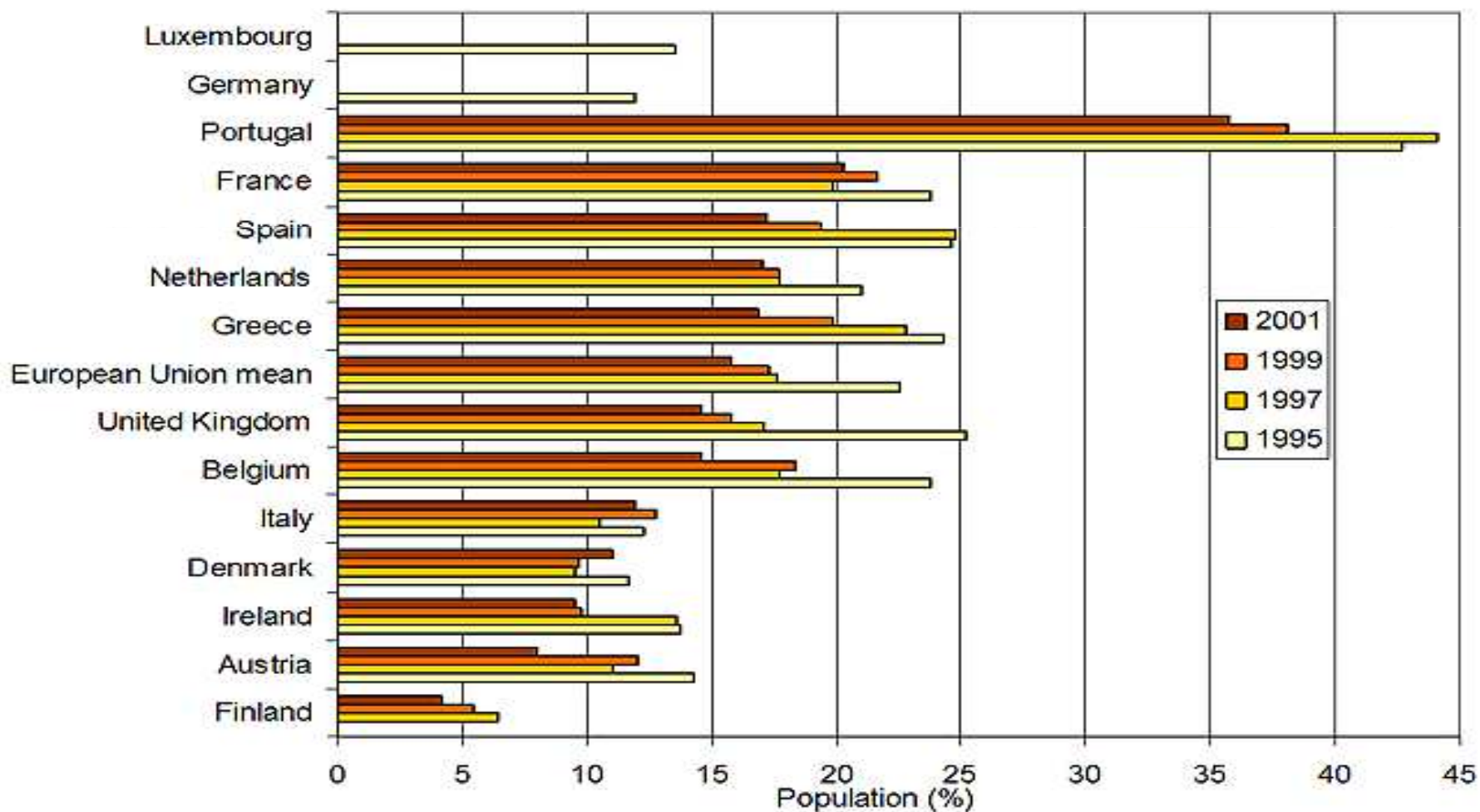
# Significance of Health Effects

## Prevalence of Asthma Symptoms



# Significance of Health Effects

## Proportion of population living in homes with damp



# Why are IAQ improvements difficult

**Number of Pollutants and Mixtures**

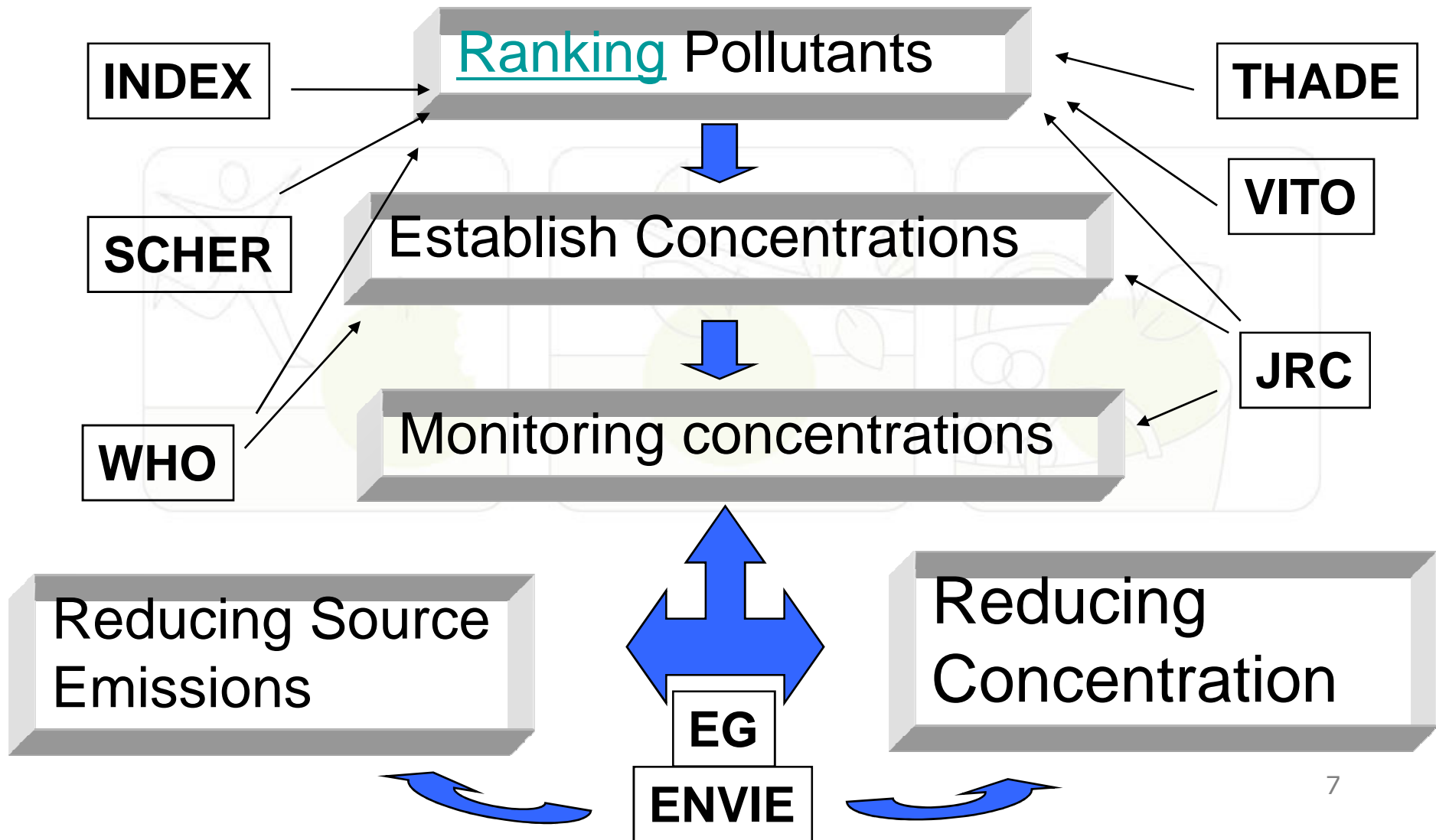
**Gaps in knowledge**

**Variety of Sources**

**Variety of environments**

**Split competence**

# Way ahead!

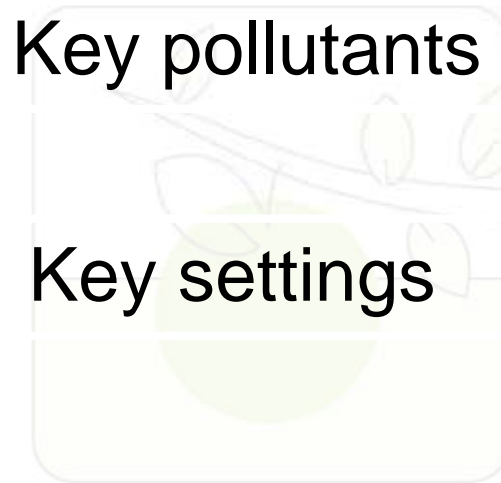




# Reducing Source Emission – Concentration work strategy



Building and equip.



Key pollutants

Key settings



Occupants

Design

Materials

Household

Combustion

Behav





# Reducing Source Emission – Concentration work strategy

Design

Materials

Household

Combustion

Behavior

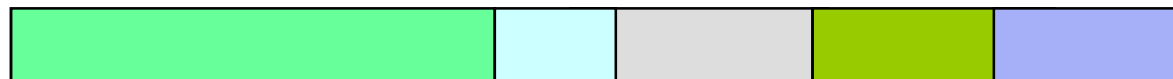
Supporting EC and MS actions



Industry commitments



Information to the public



# Perspectives

- EU strategy on ETS to follow up green paper
- Collaboration with WHO on IAQ Guidelines
- Supporting Research and Data
- Expanding Scope of IAQ Expert Group



**Thank you for the attention**