

CO-ORDINATION ACTION on Indoor Air Quality and health effects



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EUROPEAN CO-ORDINATION ACTION on INDOOR AIR QUALITY and HEALTH EFFECTS 1 Kick-off meeting PARIS April 29-30 2004



SP Swedish National Testing and Research Institute





An international research and technology organisation of key importance for competitive industry And sustainable development in society.



EUROPEAN CO-ORDINATION ACTION on INDOOR AIR QUALITY and HEALTH EFFECTS 2 Kick-off meeting PARIS April 29-30 2004



SP Swedish National Testing and Research Institute





SP Mission

To promote

development and competitiveness of industry and business and creating a safe and healthy environment and sustainable development in society

Means are research and development, technical evaluation and measurement technology.

Basics:

Competence, efficiency, impartiality

national and international acceptance



EUROPEAN CO-ORDINATION ACTION on INDOOR AIR QUALITY and HEALTH EFFECTS 3 Kick-off meeting PARIS April 29-30 2004



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Three departments are concerned with the work within EnVIE: Chemistry and Materials Technology, Building Technology and Mechanics, and Energy Technology.

Chemistry and Materials Technology, Indoor Air Quality Björn Lundgren, Professor Indoor climate Technology Sarka Langer, Assoc. Professor Atmospheric chemistry Karine pointet, PhD in Chemistry The total team of 8 persons,

Building Technology Ingemar Samuelsson Professor Indoor Environment A team of building inspectors totally 8 persons,

Energy Technology, Team of HVAC and enrgy efficiency studies

Approximately 60 persons are involved in the area of Energy efficiency and indoor environment through research, testing and field studies..



EUROPEAN CO-ORDINATION ACTION on INDOOR AIR QUALITY and HEALTH EFFECTS 4 Kick-off meeting PARIS April 29-30 2004



Main activities in the field of indoor air quality



Project areas:

- Chemical emission from building materials
- Monitoring techniques for air quality studies
- Investigations of chamber measurement techniques,
- Sorption on and desorption from building materials of volatile organic compounds
- Systematic analysis of exposures related water borne paints in indoor environments,
- Short-lived and reactive compounds in the indoor air and its effects,
- Development of sampling and analysis techniques for the indoor air quality,
- Development techniques for mitigation and analysis of effects of PCB in indoor air.
- Evaluation of toxic gases in fires from materials.





Your contribution to EnVIE (1 slide)

- FP
- Participation in work package 3: Spaces, characterisation and sources.
- Participation in work package 1: Exposures, sources and source characterisation.
- Potential contributions by:
 - Provision of building data for the Swedeish housing stock
 - Knowledge of emissions from building materials, including test methods and results from product testing
 - Data on range of concentration of pollutants in Swedish buildings, homes offices and schools
 - Experiences of the range of problems in buildings through manyyears of field investigations of constructions, ventilation and Indoor air quality.