EnVIE

WP1: Exposure to indoor air contaminants

EnVIE

National Public Health Institute
MATTI JANTUNEN
matti.jantunen@ktl.fi
www.ktl.fi/EXPOLIS

EnVIE

PUBLIC HEALTH RESEARCH AND PROMOTION

- **Government Institute under Ministry of Social Affairs and Health**
- **Located in university towns with medical faculty: Helsinki. Kuopio, Turku and Oulu**
- **Ca. 850 employees, 300 research staff, 50 M€/year**
- **Main areas of activities:**

  Research and expert functions
  Monitoring the health of the nation
  Service and reference laboratory functions
  Scientific further and professional education
  Information and teaching

EnVIE

DEPARTMENT OF ENVIRONMENTAL HEALTH

Laboratory of Air Research
Laboratory of Environmental Microbiology

- **Matti Jantunen, research professor**
  - **air pollution exposure**
  - **indoor air quality**
  - **environmental health risk assessment**
- **Aino Nevalainen, head of laboratory**
  - **moisture damages of buildings**
  - **mold growth and microbial ecology in buildings**
  - **health effects of microbial contamination in buildings**

EnVIE

Main activities in the field of indoor air quality

- **EXPOLIS: Air pollution exposures of adult urban populations in Europe (coordination)**
  - **- attribution of exposures to sources, microenvironments and activities**
  - **- exposure modelling for risk management options evaluation and implementation**
- **EXPOLIS-Index (partner)**
  - **- Contributions of indoor sources to VOC exposures**
  - **- Intake fractions for pollutants from indoor sources**
- **SANCO-Index (partner)**
  - **- Development of scientific basis for European indoor pollution regulation**
- **Identification and remediation of moisture damaged and moldy buildings**

EnVIE

WP1: Exposure, Leader

- **The main contribution of KTL is to provide leadership for EnVIE exposure activity, namely:**

  to implement an interactive forum for the collection, review and critical evaluation of the findings and developments of national and European research results on:

  - The sources and levels of indoor air contaminants.
  - Survey designs as they relate to the interpretation and generalization of their results.
  - Indoor exposure models for the assessment of past and present exposures, as well as the exposure consequences of alternative future scenarios.