



CO-ORDINATION ACTION on Indoor Air Quality and health effects

EnVIE

CSTB
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CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT



- **Government Institute under Ministry in charge of Construction and Housing**
- **Located in Paris, Marne la Vallée, Grenoble, Sophia Antipolis, Nantes**
- **Ca. 720 people, including 350 engineers and research scientists , 61 million Euros, broken down as follows:**
 - 37%, evaluation and certification,
 - 29%, State-funded research and development,
 - 25%, scientific and technical consultancy,
 - 9%, knowledge dissemination



Health and Building Division Marne la Vallée



- **Christian Cochet** : head of the Division
- **Séverine Kirchner** : Indoor Air Unit
- **Mickael Derbez** : Indoor Air Unit

- **Located in Marne la Vallée**
- **Ca. 25 employees**

- **Main areas of activities:**
 - Indoor air quality (Permanent Survey on IAQ)
 - Construction products and health impacts
 - Environmental microbiology
 - Water quality in buildings



Main activities in the field of indoor air quality



- **IAQ EXPOSURE** coordination of the **PERMANENT SURVEY ON INDOOR AIR QUALITY** (national project aimed at collecting data on IAQ exposure and associated risk factors to be used for IAQ risk assessment and risk management) : inventory of existing data on IAQ exposure ; filed surveys on building stock
- **BUILDING MATERIAL EVALUATION** : evaluation of building materials and construction products as regards health (VOC emission, biocontamination, sensory evaluation) and environnement
- **MICROBIOLOGICAL CONTAMINATION** : mould and bacteria contamination of materials, systems and building spaces
- **VENTILATION** evaluation of ventilation systems as regards energy saving, comfort and pollutant transfert in the building : modeling , experimental testing in experimental house (MARIA) and field surveys ; evaluation of HVAC components



From laboratory to field experiments



POLLEM VOC emission



E SENS

sensory evaluation



LMEI : indoor microbiology



EFIBAT : SEM



MARIA : experimental house



FIELDS STUDIES





CSTB Contribution to EnVIE



- **Coordination**
- **Leader WP0 project management**
- **Leader WP5 network support and dissemination**

- **Participation to WP 1,2,3 and 4 workshops and conferences**