

Developing mathematical models for studying emissions and fate of halogenated flame retardants indoors (ER 2)

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Using mathematical models to study the fate of FRs in the indoor environment

- Model relationships between indoor air, dust, diet, and human tissues for FRs
 - Exposure model (Trudel et al. 2008, Risk Analysis 28:251) combined with a fate model

Source data

- Data generated by ESR 6 (NIPH)
 - Air, dust, diet, human tissues
- Additional data from ESR 2 (UB) and 3 (VITO)
 - Pathways into dust
- Target compounds determined from data generated by ESR 1 (UA) and ER 1 (VU)
 - Horizon scanning

Supervision/training

- ESR 4 (IVL-Stockholm) Secondment
 - Alternative modelling approaches
- ESR 6 (NIPH) Secondment to NIPH (Oslo)
 - Human biomonitoring
- Visit to U of Birmingham
 - Alternative air and dust sampling methods

Recruitment ongoing

- Deadline Feb 28
- Expected start September 2011