

# U INDOOR CONTAMINATION WITH FLAME RETARDANT CHEMICALS: CAUSES & IMPACTS INFLAME B

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# WHAT IS “INFLAME”?

- ❑ “INFLAME” is a collaborative project funded by the EC under the Marie Curie Initial Training Network programme
- ❑ It will run for 4 years starting 1<sup>st</sup> January 2011
- ❑ Co-ordinated by the University of Birmingham (Harrad), it consists of 12 PhD projects (ESRs) and 2 postdoc projects (Ers)
- ❑ There are 9 partners from 5 countries
- ❑ Stems from the March 2009 ESF Exploratory Workshop on Indoor Contamination with Persistent Organic Chemicals: An Important Exposure Pathway for People?” chaired by Cindy de Wit

# WHAT IS “INFLAME”?

- Aside of the research objectives, an important aim of INFLAME is provide research training to early stage researchers
- The overriding hypothesis that INFLAME will test, is that FRs in everyday consumer goods, toys, and building materials, are contaminating the environment at levels that constitute an important pathway of human exposure to these chemicals, at levels detrimental to human health
- INFLAME has 3 research objectives:
  - RO1 - the mechanisms via which FRs migrate from products within which they are incorporated
  - RO2 - how and to what extent such migration leads to human exposure
  - RO3 - the effects of such exposure

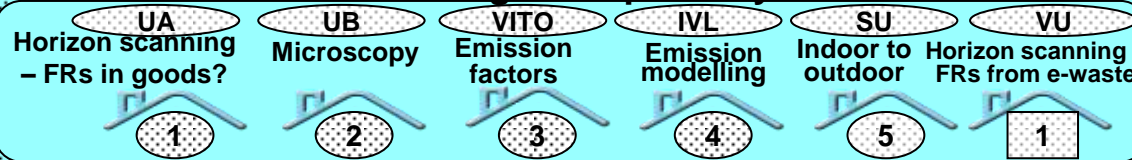
# INFLAME WORKPACKAGES

- Each RO of INFLAME is addressed by a workpackage (WP)
- WP1 – Migration Pathways - consists of 6 projects (5 ESRs and 1 ER)
- WP2 – Human Exposure (Pathways and Monitoring) - consists of 5 projects (4 ESRs and 1 ER)
- WP3 – Understanding Effects of Human Exposure - consists of 3 ESR projects
- While each project falls mainly within 1 WP, there are usually overlaps with other WPs

# SCHEMATIC OVERVIEW OF INFLAME

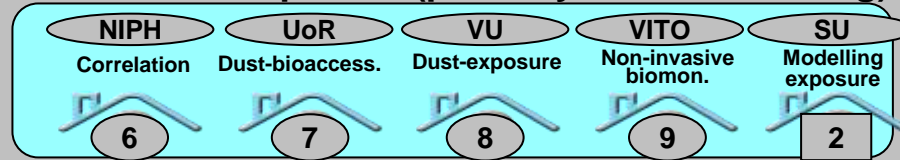
Flame retarded goods

## WP1 – Migration pathways



Indoor air / dust

## WP2 – Human exposure (pathways and monitoring)



Outdoor air / soil / diet

ESR

ER

Exposure

Health effects

## WP3 – Understanding effects of human exposure

