Emerging substances in indoor environment

New working group in NORMAN

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Emerging substances in the indoor environment

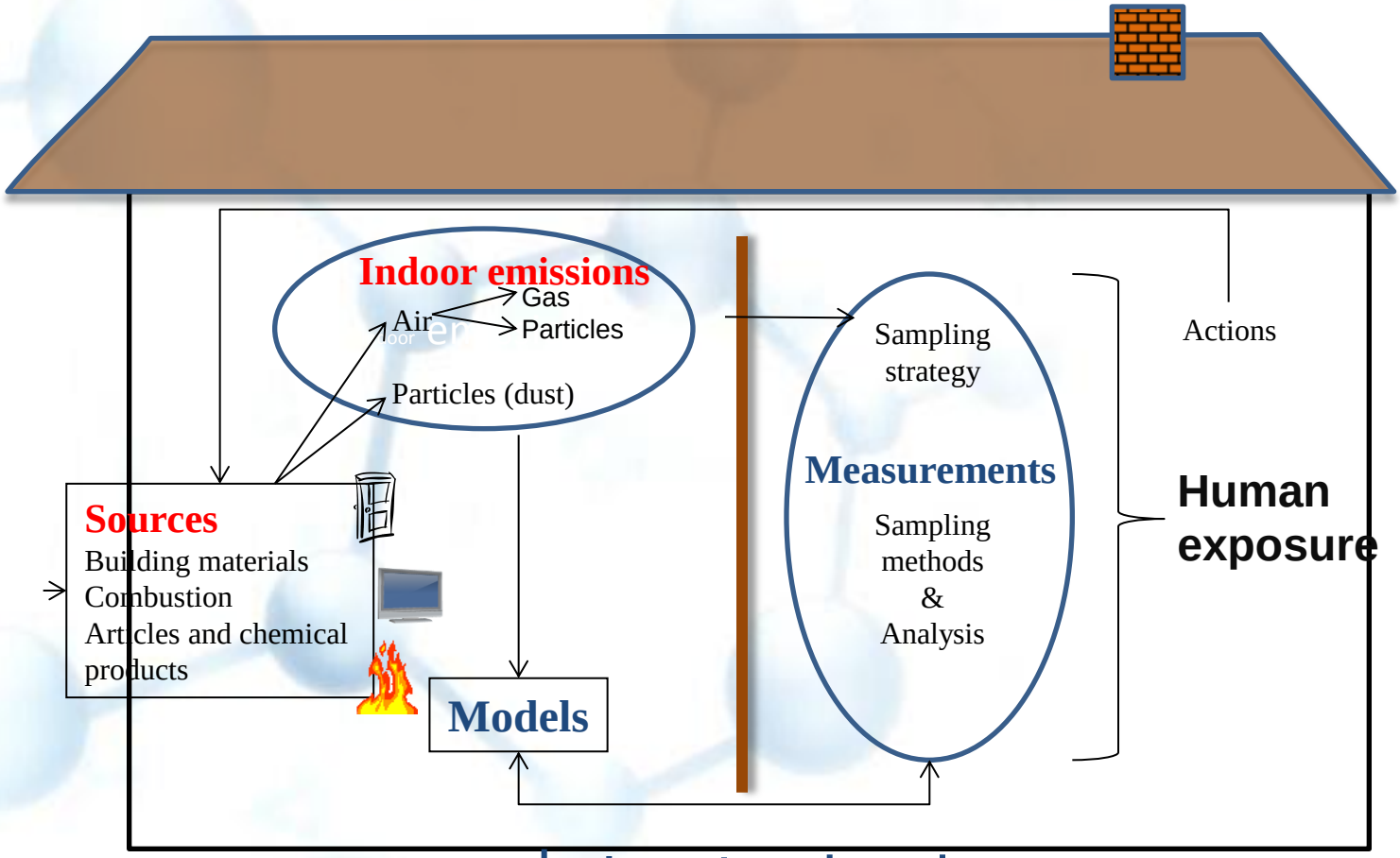
Background

Articles and consumer products used indoors may contain a variety of both well-known chemicals and emerging substances.

Chemicals are emitted indoors and indoor air and dust is an important pathway of chemical exposure for humans but also a source for exposure to the outdoor environment

We spend in average 85-90% of our time indoors

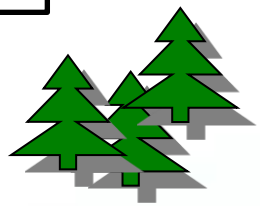
Emerging substances in the indoor environment



Stormwater/waste water

Emissions to the environment

Air (gas+particles)



Emerging substances in the indoor environment

Groups of relevant semivolatile organic compounds (SVOCs) indoor contaminants

- Flame retardants
- Plasticizers (e.g. phthalates, adipates, citrates....)
- BPA and other plastic monomers
- Antioxidants (in plastics, based on aniline or t-butylphenols
- Substances in personal care products (!!)

Working group on emerging substances in the indoor environment

The objectives:

- to investigate which emerging chemicals that are analysed in indoor air and dust
- harmonisation of measurement methods
- to set-up an interlaboratory study for non-target screening in indoor dust
- to set-up a strategy and identify future NORMAN activities for the indoor environment

Working group on emerging substances in the indoor environment activities 2014

- Set-up of the indoor environment working group
- Organise an indoor environment meeting
  - Organisation of an ILS on non-target screening in dust (2015)
  - Set up the strategy and identify important issues and future aims for the working group

Participants: Lead IVL,
IVM, University of Antwerp, NILU, UMU, ITM

Linked to the EU Marie Curie ITN projects INFLAME and A-TEAM.