

# **WG-6: Emerging substances in the indoor environment**

**Presentation of the WG scope and objectives**

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# ***Emerging substances of concern indoors***



**WG6**

**Emerging substances in the indoor environment**

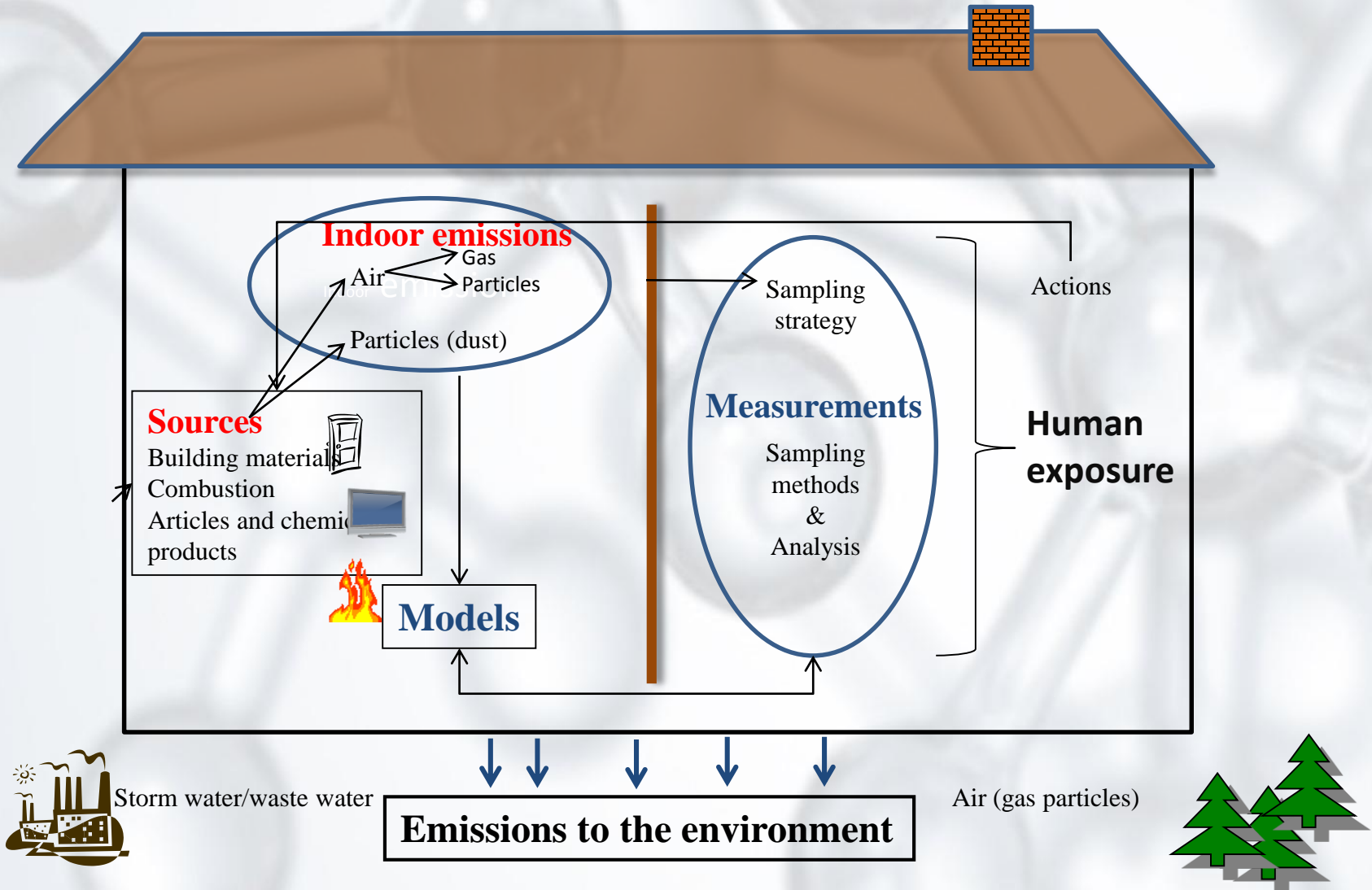
## **Background**

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 could also be a source for exposure to the outdoor environment

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

# Emerging substances in the indoor environment



# WG-6: Emerging substances in the indoor environment

## The main objectives

- to identify which emerging chemicals and chemical groups are currently analysed in indoor air and dust and which are of concern for the indoor environment
- to improve harmonisation of measurement and sampling methods for the indoor environment (via the development of guidelines and organisation of interlaboratory studies)
- to identify indoor emissions of emerging substances e.g. from products and articles using both measurements and modelling techniques
- to identify important pathways of chemical exposure for humans indoors and pathways to the outdoor environment using both measurements and modelling techniques
- to improve links between policy and science in the field of the indoor environment.

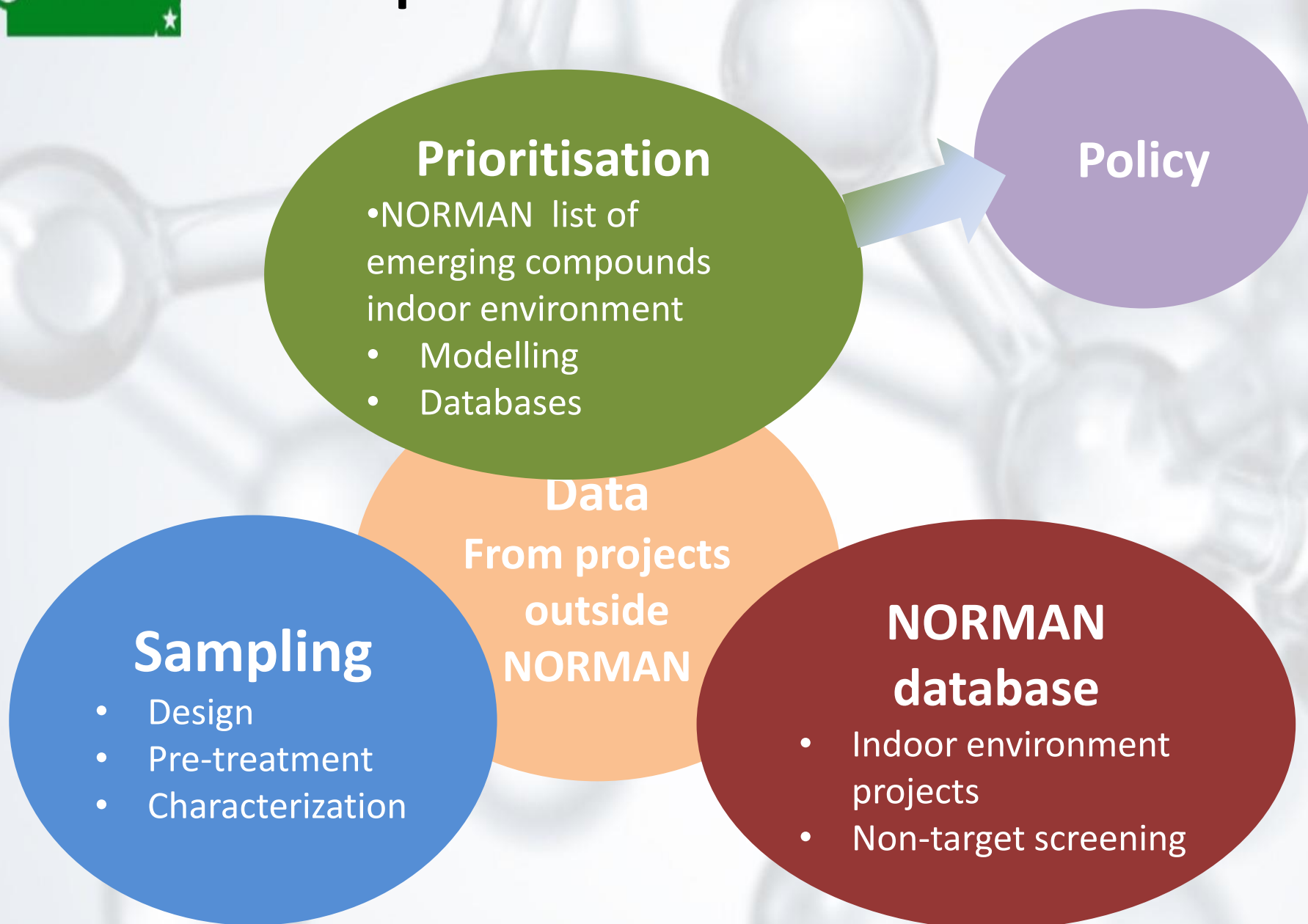
## **WG-6: Emerging substances in the indoor environment**

### **The Working Group :**

- **will act as a key player in the research area of “Chemicals of Emerging Concern” (CECs) and the indoor environment**
- **will be an important link between policy and science**

*It is therefore important that scientists as well as industry and stakeholders are involved in the WG.*

# Topics NORMAN WG 6



## **WG 6 short- and medium-term workplan**

- **Development of protocols for sampling methods for air and dust**
- **Organisation of interlaboratory studies (ILS) on target and non-target analyses**
- **Creating a new module in the NORMAN EMPODAT database for inclusion of indoor environment datasets**
- **Identification of emissions of emerging substances indoors**
- **Identification of important pathways of chemical exposure for humans indoors and pathways to outdoors**
- **Prioritisation: set up a NORMAN list of emerging substances in indoor air and dust**
- **Drafting of position papers addressed to policy-makers**

# Workshop on Emerging Pollutants in Non-industrial Indoor Environments

The following topics are addressed:

**How big is the problem with emerging pollutants?**

Which message will we give to policy makers?

**Occurrence and distribution of emerging pollutants in non-industrial indoor environments.** Which compounds do we find, where do we find them and in which concentrations?

***Emissions and important pathways of emerging pollutants.***

*Use and fate?*

**How to include emerging pollutants in regulations/standards/guidelines?**

Are new approaches needed? What is missing – emission factors, etc?

**Sampling and analytical methodologies.**

Is it possible to harmonize sampling methods?

How do we assess emerging pollutants/substances in an early stage?





# Workshop on Emerging Pollutants in Non- industrial Indoor Environments

The outcome from the workshop will give important input to the future workplan in the NORMAN **WG-6: Emerging substances in the indoor environment**

## NORMAN working group 6 on emerging substances in the indoor environment

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