

Workshop on

Emerging Pollutants in Non-industrial Indoor Environments



**8 June 2015; 12.00
to
9 June 2015; 16.30
NILU, Kjeller, Norway**

Organised jointly by NORMAN Network and NILU
Hosted by NILU, Norway

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BACKGROUND & OBJECTIVES

Exposure to semivolatile organic compounds (SVOCs) in non-industrial indoor air and dust is an important exposure pathway for humans, since we spend a high proportion of our time in indoor environments – and the levels of some SVOCs are often higher indoors than outdoors. Despite this, there is still lack of knowledge on the occurrence and distribution of emerging SVOCs in non-industrial indoor environments, as well as about the relationship between occurrence/levels of SVOCs and building materials/house contents.

In 2014, the NORMAN association included a new working group (WG) on Indoor Environment. This WG will act as a key player in the research area of “Chemicals of Emerging Concern” (CECs) in non-industrial indoor environments, and will also be an important link between science and policy. The main focus will be on substances that partition between the indoor air and surface films/dusts (i.e. SVOCs and non-volatile organic compounds (NVOCs)). A kick-off meeting for the core members of the WG, held in December 2014, identified important issues and future aims for the WG, as well as a demand for a follow-up, wider scope workshop – including expertise beyond the WG (e.g. different research communities, stakeholders and authorities).

This workshop aims to identify current state-of-the-art plus gaps and needs within the research field of CECs, covering both “old” and “emerging” SVOCs and NVOCs in non-industrial indoor environments. It will promote exchange of knowledge/information and encourage enhanced collaboration by bringing together scientists in the field of CECs in indoor environments with expertise from building and consumer articles sectors and stakeholders/regulatory authorities.



WHAT WE AIM TO ADDRESS IN THIS WORKSHOP

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 harmonise sampling methods?

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

DATE AND VENUE

The workshop will take place on 8-9 June 2015 in the meeting room “Auditoriet” at NILU, Instituttveien 18, 2007 Kjeller, Norway.

From Oslo Airport/Gardermoen:

1. **Train** (Flytoget – Airport express Train) from the airport to Lillestrøm Station. *Be aware* that every second train does not stop at Lillestrøm.
2. From Lillestrøm Station use **bus** nr. 842 or 401 to Forskningsparken.

From Oslo centre:

1. **Train** from Oslo Central Station to Lillestrøm Station.
2. From Lillestrøm Station use **bus** nr. 842 or 401 to Forskningsparken.

LUNCH AND DINNER

Participation in the workshop is free, including lunch day 1 and 2 and refreshments during breaks, but the participants will have to pay for the joint dinner Monday evening.

REGISTRATION

Please register before Friday 15 May 2015, by contacting Pernilla Bohlin Nizzetto (pbn@nilu.no)

PRELIMINARY PROGRAMME

Monday 8 June

12:00-13:00 Lunch at NILU

- 13:00 Welcome
- 13:10 Introduction to NORMAN Network
(Valeria Dulio, Executive Secretary of the NORMAN Association)
- 13:20 Introduction to NORMAN WG Indoor Environment
(Eva Brorström-Lundén, IVL)
- 13:30 Why are we looking for emerging pollutants in indoor environments – overview
(Adrian Covaci, Antwerpen University)
- 14:00 Emissions of organic chemicals from consumer articles
– summary of the ChEmiTecs research programme:
- How to estimate emissions of organic chemicals from articles – the ChEmiTecs approach
(Jenny Lexèn, IVL)
 - Emission modelling and results (Peter Haglund, Umeå University)
- 14:40 Indoor modelling – pathways, emission factors
(Anna Palm Cousin, IVL)
- 15:00 Coffee break**
- 15:20 How to analytically detect emerging pollutants
(Martin Schlabach/Pawel Rostkowski, NILU)
- 15:40 Standardisation of tools for air quality characterisation of indoor air
(Sasha Nehr, International Organization for Standardisation, ISO)
- 16:00 To be announced
(Helen Klint, Swedish Chemical Agency)
- 16:20 To be announced (Norwegian Environment Agency)
- 16:40 Discussion
- 17:10 End of Day 1

18:30 Dinner

Tuesday 9 June

- 09:00 Welcome, Day 2
- 09:05 Labels and relevant standardisation work in Europe
(Thale Wester Plessner, SINTEF Building and Infrastructure)
- 09:25 Nordic guide to sustainable materials
(Trine Dyrstad Pettersen, BREEAM)
- 09:45 Guidance to sustainable construction materials – how can BASTA help us to reduce the presence
of hazardous substances in construction products
(Anna Widheden, BastaOnline & IVL)
- 10:05 SVOCs in air during building construction – A29
(Jana Klánová, Recetox, Masaryk University)

- 10:25 Bisphenols and phthalates in indoor environments
(Amrit Sakhi, Norwegian Institute of Public Health)
- 10:45 Coffee break**
- 11:05 Discussion on needs and possibilities for linkage between research and building/regulatory sector
(John Munthe, IVL + Pernilla Bohlin Nizzetto, NILU)
- 12:30 Lunch at NILU**
- 13:30 Introduction to sampling approaches
- 13:40 How and to what extent do chemicals in consumer products enter humans, and how can we best monitor their presence – summary of A-TEAM
- To be announced (Stuart Harrad, University of Birmingham)
 - To be announced (Juan-Antonio Padiilo Sanchez, Norwegian Institute of Public Health)
- 14:20 Dust sampling variability
(Lisa Melymuk, Recetox, Masaryk University)
- 14:40 Different indoor air and dust sampling methods for BFRs and emerging contaminants:
How comparable are they?
(Cynthia de Wit, ITM)
- 15:00 Discussion on sampling needs
- 16:30 Thank you and goodbye**

After the workshop, on Wednesday 10 June (9-13), there will be a meeting for members of the NORMAN WG on Indoor Environment.

For more information

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