GOOD TO KNOW

Official workshop language:
The official language will be English.

Meal:
A working lunch will be provided by the organisers on the day of the workshop.

Accomodation:
A list of hotels nearby is provided with the confirmation email.

Information on the MetrIAQ project can be found on
🌐 *www.metriaq.eu*

This workshop is organised in cooperation with:

vito VSL Politecnico di Torino BAM eurofins

REGISTRATION AND VENUE

Please register before September 29th 2023 by writing an email to ✉ *info@metriaq.eu* (limited to 20 attendees), also include information when you want to sample own tubes on the sampling line (see page 2).

VITO Health
Industriezone Vlasmeer 5
2400 Mol
Belgium

🌐 *https://vito.be/en/contact/vito-health*

For further questions, please contact:

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MetrIAQ

WORKSHOP 18 OCTOBER 2023

METROLOGY FOR INDOOR AIR QUALITY

REFERENCE MATERIALS FOR QA/QC OF THE EMISSION TEST CHAMBER PROCEDURE

WORKSHOP

Metrology for Indoor Air Quality: Reference materials for QA/QC of the emission test chamber procedure

Given that European citizens spend more than 80 % of their time indoors, it is vital to have a healthy indoor environment. The overall aim of the MetrIAQ project (*Metrology for the determination of emissions of dangerous substances from building materials into indoor air*) is to develop traceable measurement of emissions of volatile organic compounds (VOC) from materials by providing well-defined emission reference materials (ERM) and certified reference gas standards (gCRM), in accordance with the emission test chamber procedure described in EN 16516.

In this one-day workshop organised by the MetrIAQ consortium at the premises of the project partner VITO, project results will be presented and discussed, and it will be shown how the gCRMs are prepared, handled, and analysed. The participants will be given the opportunity to sample their own tubes with their own equipment for own purposes during the workshop. The dynamically generated certified reference gas standard will contain the VOCs that are in the *check standard* required by EN 16516. The target concentrations will be provided afterwards. The workshop furthermore aims to discuss the important question on how to continue the development towards fit-for-purpose references and their provision in the future.

Who is addressed? Practitioners and scientists in the field of indoor air analysis and emissions testing, and regulatory authorities.

AGENDA

Plenary session (9:00 – 12:00)

9:00 Reception

9:30 Welcome (*Frederick Maes, VITO*)

9:45 Introduction of MetrIAQ project (*Matthias Richter, BAM*)

10:00 Preparation of novel emission reference materials: µ-capsules & impregnated porous materials (*Christoph Grimmer, BAM*)

10:30 Coffee break

11:00 Modelling the emission behaviour of ERMs (*Maricarmen Lecuna, Polito*)

11:30 Gaseous reference materials for quality assurance and quality control measures in material emissions testing (*Iris de Krom, VSL*)

12:00 Lunch

Demonstration, sampling & discussion (13:00 – 16:15)

13:00 Demonstration of the reference gas preparation and the distribution line followed by sampling of own tubes (*Frederick Maes, VITO*)

14:00 Coffee break

14:30 Future development (open discussion)

15:45 Closing (*Matthias Richter, BAM*)

EMPIR EURAMET
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