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ABSTRACT

FIRST EXPERIENCES FOR ODOUR PROFICIENCY TESTS IMPLEMENTATION USING SYNTHETIC BENCH LOOPS

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Total measurement uncertainty for odour concentrations, by means of dynamic olfactometry, is difficult to assign. It depends on several factors that can be divided in: panel selection, measurement procedures and sample collections. Uncertainties linked to panel selection and olfactometric procedures are evaluated in traditional proficiency tests (PTs), in which dry samples are delivered to participant laboratories. Scope of this work is to give first evaluations of a suitable method that should help in estimation of field sampling uncertainties, in particular with real levels of sample humidity, using the PT laboratory LOOP realised at RSE research centre in Italy.

Indicate preference of kind of presentation

- Oral Communication
- Poster

Indicate topic of your work for the conference:

- Policy and associated regulations for odour and air quality.
- Odour/VOC measurement, monitoring&sensor technologies.
- Odour/VOC perception, impact, formation and dispersion.
- GHG emissions particulate matter and industrial emissions.
- Source characterization and odour/VOC mapping.
- Odour/VOC abatement, mitigation and neutralization.
- Odour/VOC from waste water, sewer systems and livestock.
- Air emissions and sustainable solutions for waste handling
- Community engagement, social media and citizen action.
- Other (suggest a new topic):

The scientific committee may change the session where authors propose to include their works.