

V CONFERENCE OF ODOURS AND VOCs IN THE ENVIRONMENT  
26-27 NOVEMBER 2019, SANTIAGO, CHILE

ABSTRACT

APPROACHES FOR HOLISTIC ODOUR IMPACT MANAGEMENT

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Environmental odour management today offers a variety of building bricks, ranging from the use of state-of-the-art technology to the implementation of various methods, which are based on national and international guidelines and standards.

These range from odour monitoring approaches using trained human sensory panels and citizen science, real-time and forecasted dynamic dispersion modelling, trajectory and back-tracking calculations, but also sensor systems which are making use of gas sensors to detect and quantify key odorants of odour sources.

Although all of these technologies and methods can help to increase the understanding of potential origins of odour related problems, most solutions available in the market only allow an isolated consideration of the acquired data.

Depending on the specific scenario and related questions, however, the right combination of these building blocks is often key to get full clarity on the odour emission and / or impact situation.

A dynamic platform like Ortelium allows to combine data channels, so that a more meaningful picture of the odour situation can be established. To facilitate and efficiently manage the process of finding appropriate measures to resolve odour related problems in due time, such a holistic solution digitally streamlines data acquired from the chosen technologies and implemented methods and puts it into relation.

An overview of existing technologies and methods will be provided as a basis for practical examples of possible combinations for specific use case scenarios. Requirements and best practise approaches are described on how to streamline, manage and distribute the data to different stakeholder groups.

Indicate preference of kind of presentation

- Oral Communication

Indicate session in which authors propose to present their work:

- Session III. Calculation of the odour impact. Odour dispersion modelling.