

## 9th IWA Odour & VOC/Air Emission Conference 26-27 October 2021 Bilbao, Spain

### ABSTRACT

#### ODOUR IMPACT ANALYSIS WITH ENOSES IN RESIDENTIAL AREA

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#### Summary

Citizens of a residential area close to an industrial estate are exposed to various emission sources. The industrial estate comprises some companies with well-defined emission points. The complexity, however, is that there are many undefined causes of odour impact originating at the nearby seaport.

Aim of the project was to explore the root cause of the residential complaints in a six-month period. In this study the time and place relation of complaints and eNose recordings were examined. The root cause of the majority of the recorded complaints were found. The study clearly demonstrates the odour impact in this residential area.

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.