



FIRST SNIFFIRDRONE

# WORKSHOP

## ENVIRONMENTAL MONITORING WITH DRONES



**NOV 28, 2023**  
**8:30 AM**



**AV. BENJAMIN FRANKLIN, 5-11**  
**PARQUE TECNOLÓGICO**  
**PATERNA, VALENCIA**  
**(AINIA)**



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation



# Why attending?

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By the end of this workshop, we will be able to understand the latest advancements in environmental monitoring.

Together, we will explore innovative approaches and technologies that are shaping the future of this field. Experts from various key organizations will share their insights, providing valuable perspectives on sensor technology, data analysis, and regulatory frameworks.

**BLOCK 1**  
LATEST ADVANCES IN SENSORS AND ODOUR MEASUREMENTS

**BLOCK 2**  
GAS DETECTION WITH DRONES

**BLOCK 3**  
PANEL DISCUSSION: NAVIGATING CURRENT CHALLENGES AND FUTURE TRENDS IN ENVIRONMENTAL MONITORING

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## BLOCK 1

### LATEST ADVANCES IN SENSORS AND ODOUR MEASUREMENTS

#### UB

Agustín Gutiérrez SniffIRdrone: drone-based air pollution mapping for environmental monitoring

#### ELLONA

Jean-Christophe Mifsud Latest advances and challenges in sensors and odour measurements: applications to an incinerator and a WWTP

#### COMON INVENT

Simon Bootsma Sensors are no analysers

#### BETTAIR CITIES

Sergi Udina Drone embarked air quality monitoring using wearable sensor nodes from SOCIO-BEE project

#### KUNAK

Eduarne Ibarrola Sensor-based air quality systems for fugitive emissions and odours monitoring

#### GSS

Neil Cairns IR Sources for gas sensors

## BLOCK 2

### GAS DETECTION WITH DRONES

#### IBEC

Santiago Marco Detection and quantification of malodours in WWTPs using drone based artificial olfaction system

#### UB

Javier Alonso New developments on dronebased e-nose hardware

#### AEROMON

Heikki Salminen Success stories in drone assisted emissions measurement

#### OLFASCAN

Niels De Baerdemaeker Emission reduction efficiency mapping of biofilters via drone sensor technology

#### INTA

Raúl López Electronic noses: environmental monitoring for security and defense applications

