



# FORUM ACUSTICUM EURONOISE 2025

## Hot topic 7. Applications of Artificial Intelligence in Acoustics

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**Organizers:** Rosa María Alsina-Pagès and Ester Vidaña-Vila

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### Organizers and Key Trainers:



**Prof. Rosa María Alsina-Pagès** is Director of Research and Innovation at La Salle Campus Barcelona, with over 18 years of experience in signal processing and machine learning. After a deep background in real-time signal processing in Ionospheric Communications, she specializes in acoustic data analysis, contributing to projects in urban sound monitoring (DYNAMAP, EMMA), acoustic home monitoring for the elderly people living alone (SUARAMAP, TEMPRIA), citizen science (Sons al Balcó, Sons de la Pedrera), and animal welfare monitoring (CowTalk, CowTalkPro). She holds a PhD in ICT with Cum Laude, has published over 59 JCR-indexed articles and more than 140 contributions to international conferences, and led multiple European and national projects, including LIFE+ and JPI-Oceans, and has led several research and technology transfer projects for companies. She is also an active member of the Spanish Acoustic Society (SEA).



**Dr. Ester Vidaña-Vila** is a researcher and lecturer at the Human Environment Research (HER) group of La Salle Campus Barcelona, Ramon Llull University. She specializes in acoustic event detection and classification, leveraging deep learning, machine learning, and signal processing techniques for real-time monitoring using low-cost devices. With a PhD in Automatic Acoustic Event Classification, Ester has



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contributed to projects spanning urban soundscapes, bioacoustics, environmental noise, and indoor noise monitoring.