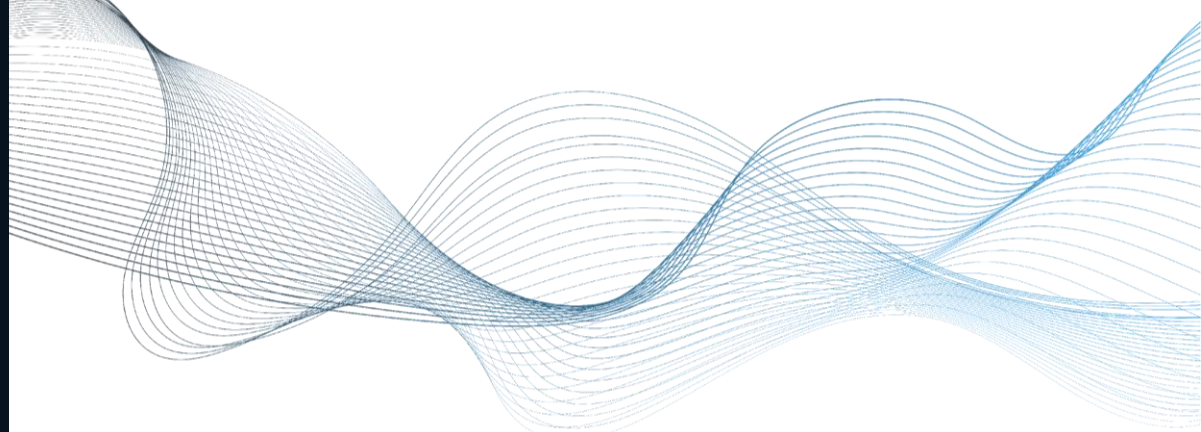




SPHEAR
SOUND INTELLIGENCE

Based on technology from



SPHEAR
SOUND INTELLIGENCE

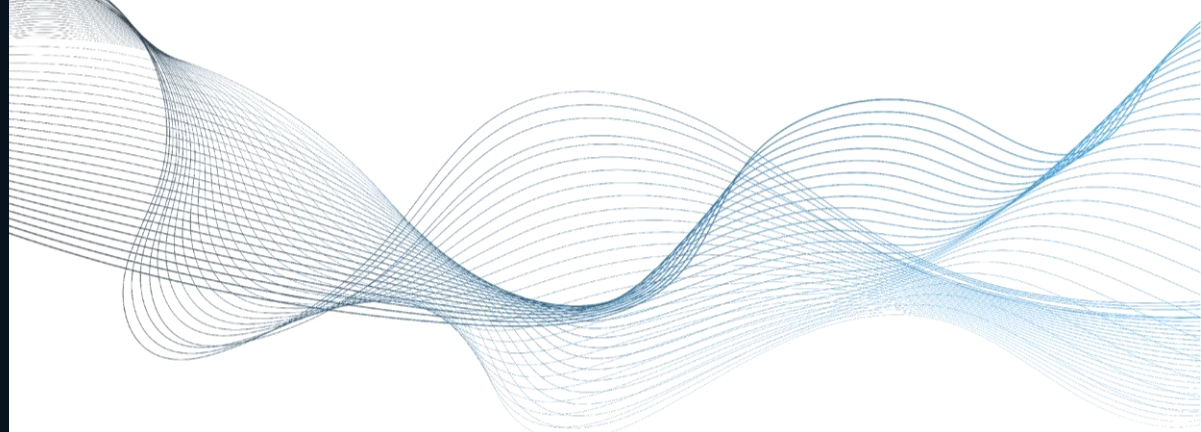
Auditory Scene Analysis

Advanced soundscape monitoring

Vibro-acoustic situational awareness

Transforming environmental noise data into valuable insights

Based on technology from



SPHEAR
SOUND INTELLIGENCE

Pioneer in acoustic technologies

Advanced sound and vibration analysis

Vibro-acoustic sensor networks:

live monitoring

direct analysis

real-time classifications.

SOUND INTELLIGENCE



ACOUSTIC PERIMETER SURVEILLANCE

Rapid incident identification

Drone, proximity & threat detection

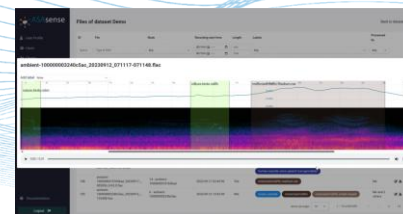
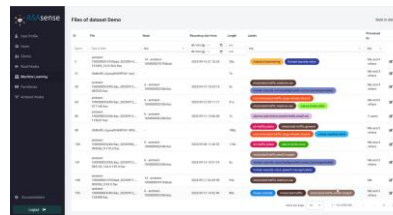
Source localisation & tracking



SOUND DATA MANAGEMENT

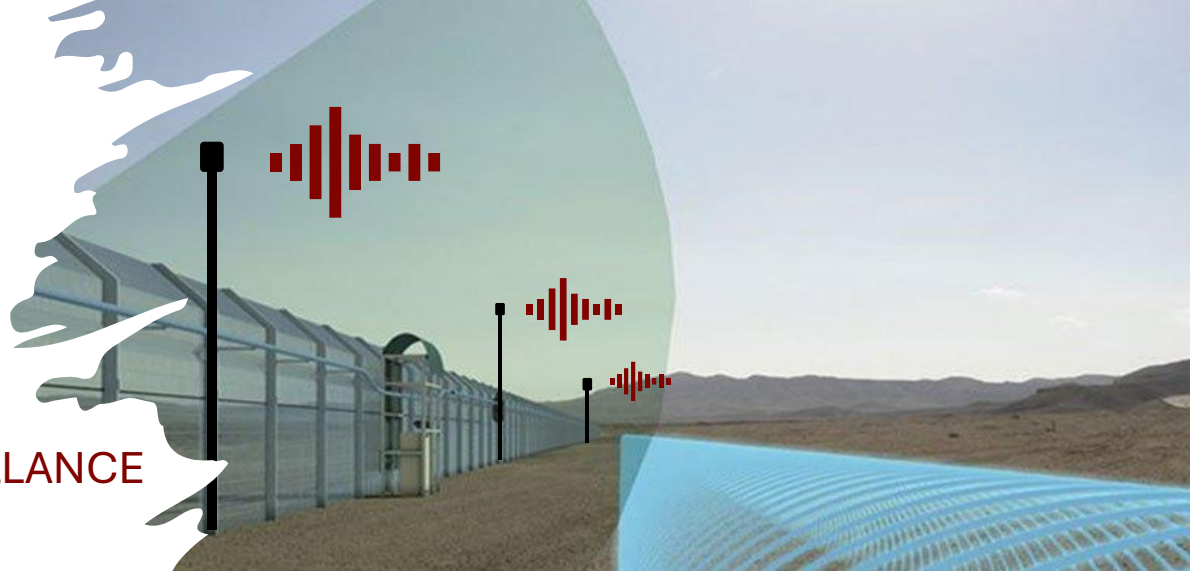
Management platform for sound data sets

Online audio labelling & AI training tool





ACOUSTIC PERIMETER SURVEILLANCE



Smart Sound Sensor-array Network

Digitalisation

Classification

Identification of sources

Vibro-Acoustic situational awareness





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LIVE SURVEILLANCE AND ALERTING

Drone detection & localisation

Vehicle approach & identification (dirt bike, truck, quad, car)

Human activity, distress, panic

Trespassing, breakage vandalism & graffiti

Gunshot

Acoustic incidents





CRITICAL INFRASTRUCTURE

Airports & Harbors

Industrial sites and critical infrastructure

Military sites and operations

Border surveillance

Prisons, detention centers

Government buildings

Banks





SPHEAR
SOUND INTELLIGENCE

ASA INTELLIGENCE SUITE

Large sound and vibration dataset management platform

Easy cooperative labeling

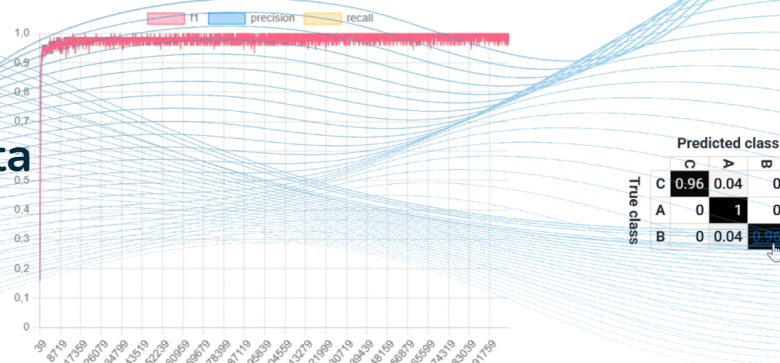
Combine different ontologies

Analyse and configure large training-data

Assess training model online

File	Note	Recording start time	Length	Labels	Processed by
type to filter	Any	dd/mm/yyyy --:--	min	Any	Any
dd/mm/yyyy --:--		dd/mm/yyyy --:--	max		
00010765bad_20230914_... 91855_10.0-30.0.flac	14 - ambient- 1000000010765bad	2023-09-14 21:10:25	20s	industry.hammering human-sounds.voice	Me and 9 others
0AMxR9_nLpwyWUK9PVA:1iwj1...	-		7s		Me and 5 others
ambient- 100000003240c5ac_20230913_... 082520.flac	6 - ambient- 100000003240c5ac	2023-09-13 10:25:15	5s	motorized-traffic.medium.car human-sounds.voice.backgrounds-voices (unrecognizable)	Me and 4 others
69 ambient- 100000003240c5ac_20230912_... 071148.flac	6 - ambient- 100000003240c5ac	2023-09-12 09:11:17	31s	non-motorized-traffic.large-wheels.bicycle motorized-traffic.medium.car nature.birds.robin	Me and 6 others
86 ambient- 100000003240c5ac_20230912_... 037.flac	6 - ambient- 100000003240c5ac	2023-09-12 13:56:30	7s	alarms-and-sirens.tooters-bells.small-car	2 users
0AMxR9_nLpwyWUK9PVA:1WQR...	-		188s	air-traffic.plane motorized-traffic.general non-motorized-traffic.large-wheels.bicycle nature.weather.wind	Me and 2 others
78 ambient- 00003240c5ac_20230906_... 56_0-110.0.flac	6 - ambient- 100000003240c5ac	2023-09-06 11:40:25	110s	air-traffic.plane nature.birds.crow motorized-traffic.small.moped	Me and 4 others
ac_20230913_... 149.0.flac	6 - ambient- 100000003240c5ac	2023-09-13 10:31:19	5s	human-sounds.voice.backgrounds-voices (unrecognizable) human-sounds.voice.speech (recognizable)	Me and 3 others
0ier** 5bad_20230917_...	14 - ambient- 1000000010765bad	2023-09-17 02:49:50	93s	motorized-traffic.medium.car	Me

Training completed at: 16.09.2024 14:44
Training time: 1h 27m 21s





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