



Finanziato  
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Ministero  
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Italiadomani  
PIANO NAZIONALE  
DI RIPRESA E RESILIENZA



## Detection and classification of pollutant through machine learning techniques and low cost sensors (acronym: ML&LCS4PDC)

Spoke 2

Task

FP 6

Thematic line

Workgroup

Additional human resources

Objective

Use case /  
Field of potential application

Starting TRL

Final TRL

Collaborations

Connections

Artificial intelligence, virtual reality and digital twin for advanced engineering and aerospace

Digital Transition

Mario Molinara, Claudio De Stefano, Francesco Fontanella, Claudio Marrocco, Alessandro Bria, Alessandra Scotto di Freca

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Realization of low-cost sensors able to detect and possible classify, also with machine learning techniques, different pollutants in air and water

Technology transfer from the proof proof-of-concept of a new concept of a new pollutant detection, already validated validated in UnicasLabs, to the industrial prototype tested on field

2

3

Università di Pisa, Sensichips s.r.l.

probably Spoke 4 for the dissemination and outreach activity, which will include preparing training material and organizing information sessions with a selected group of physicians