Evidence Driven Indoor Air Quality Improvement

Mario Lovric, scientific director Lisbon Council

@ AI, Data and Robotics Forum (ADRF) 2024

The EDIAQI Consortium



18 partners from 11 countries

Integrators/data/allrounders

The Lisbon Council (BE)
Deda Next (IT)
TalTech (EE)
Know-Center (AT)

Tech SMEs

Ascalia (HR)
Wings ICT Solutions (EL)
Thinnect (EE)
Lab Service Analytica (IT)



RTOs Air Quality

Leibniz Institute for Tropospheric Research (DE)
FTMC (LT)
University of Seville (ES)
Institut Za Medicinska Istrazivanja I Medicinu Rada (HR)

Hospitals:

Region Hovedstaden (DK) Srebrnjak Chrildren's Hospital (HR)

Natural sciences RTOs

Institute for Anthropological Research (HR)
Technical University Graz (AT)
National Institute of Biology (SI)
University of Molise (IT)









The EDIAQI approach



State-Public's uunderstanding of Indoor Air Pollution (IAP) and of-the-art mechanisms for mitigation Increasing the

A TRANSDISCIPLINARY APPROACH FOR INCREASING INDOOR AIR QUALITY AND MITIGATION HEALTH EFFECTS FOR THE MOST VULNERABLE

Mapping indooroutdoor air interactions Deployment of monitoring technologies Low-cost sensorics

Standard IAP Identification System Set-up State-of-the-art Data Technologies

> Data interoperability IoT Security and Privacy Digital Twins & Al

Focus on asthma, wheezing and allergies
In vitro and in vivo testing

Biomonitoring

Toxicological

and Medical
Evidence

Awareness building
Set norms for new
buildings
Standards for public
indoor places

Norms, Standards,

Policy Review

Knowledge and Technology Transfer Awareness Building from Science to Society

INDOOR AIR POLLUTION (IAP) MITIGATION WITH CAMPAIGNS & PILOTS

Knowledge integration and co-production between science & public towards indoor air quality improvement.



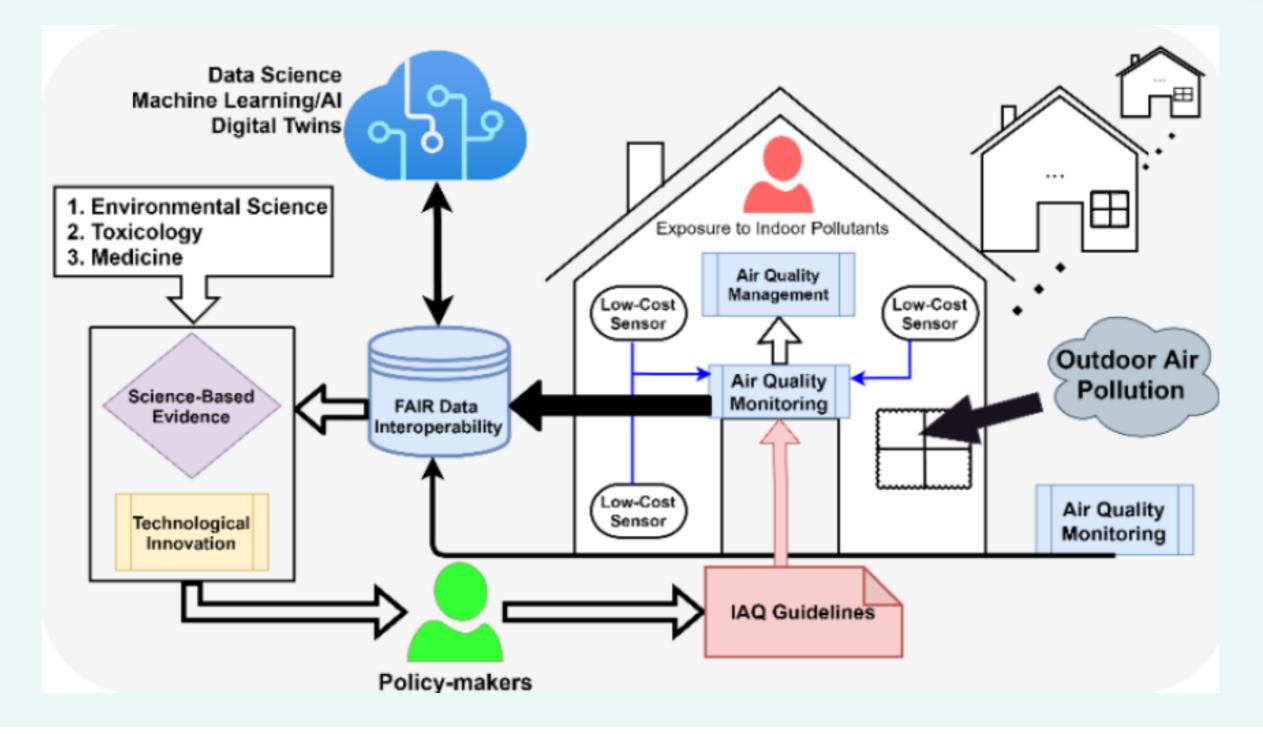






The EDIAQI approach













EDIAQI's promise to deliver the data



There are 4 pilots and 4 campaigns in EDIAQI tasked with

understanding:



Buildings

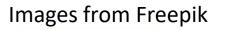














EDIAQI's pilots and campaigns









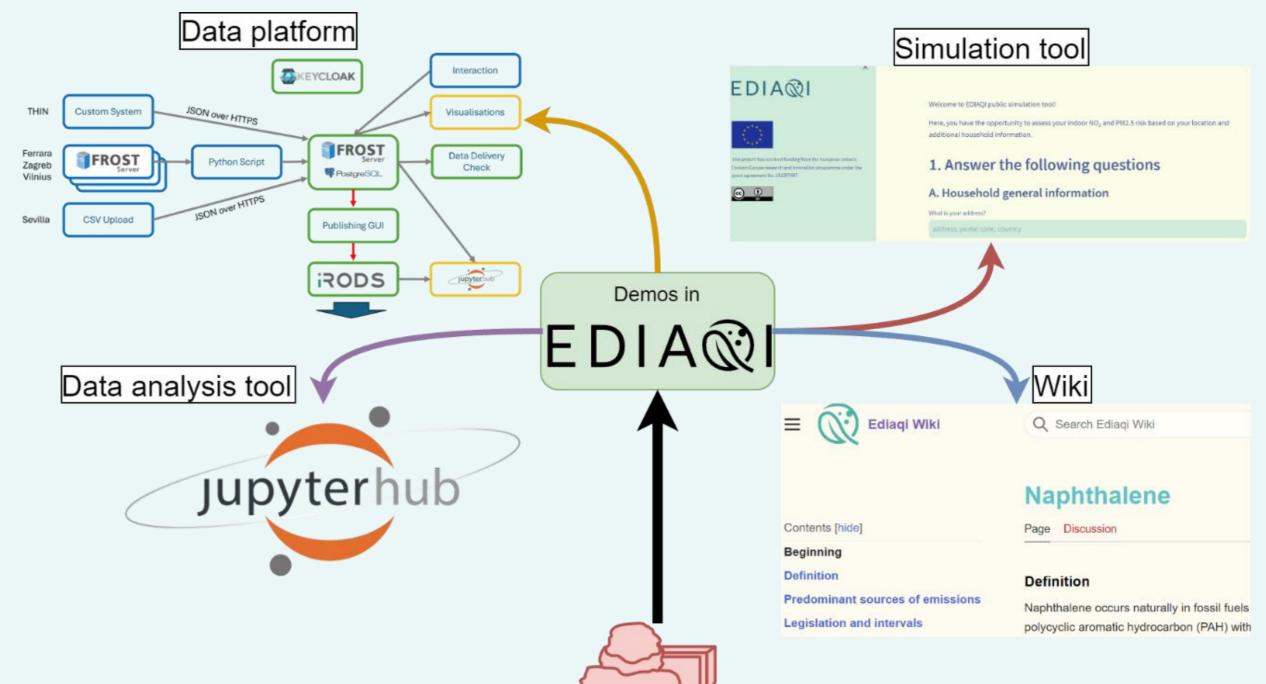




Data integration

EDIA@I

Data interoperability is key



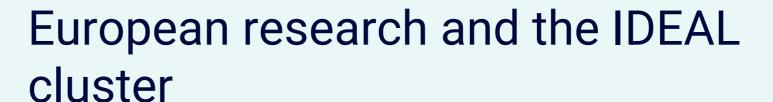














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7European projects

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Organizations and partners

















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Many Thanks

contact: mario.lovric@lisboncouncil.net



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