



# meteor

METHODS FOR ASSESSING HEALTH-RELATED  
COSTS OF ENVIRONMENTAL STRESSORS



These projects have received funding from the European Union's Horizon Europe research and innovation programme under the call HORIZON-HLTH-2022-EN-VHLTH-04-01 (Methods for assessing health-related costs of environmental stressors) and grant agreements 101094639 (UBDPOLICY), 101095611 (VALESOR), 101095430 (MARCHES), 101095408 (BEST-COST) and 101095119 (MISTRAL).

# ABOUT METEOR

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**METEOR** is a cluster of five Horizon Europe projects researching the health impacts of environmental stressors such as air, chemical and noise pollution, and their related socioeconomic costs. Together they lay out a detailed view of how health is impacted by the environment and suggest policy recommendations to protect our health and the planet.



**5 Consortia**



**4 years (2023-2026)**



**56 partners**



**€ 25,1 Million**

## **METEOR Objectives:**

- To create synergies between projects exploring the health impacts of environmental stressors and create a shared approach.
- To identify key areas of action to reduce the health impacts of environmental pollution and guide the research community in applying the findings further.
- To amplify messages and recommendations to policymakers to address key challenges in environmental pollution.
- To maximise the communication and dissemination of results through our networks.

# PROJECT DESCRIPTIONS

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## **BEST-COST**

BEST-COST will establish a shared approach across Europe to understand the socioeconomic cost of environmental stressors and their impact on health. The project will trial new methodologies in five European countries to understand how they can be used at the national level as well as transferred to other countries and other stressors.



## **MARCHES**

MARCHES will promote integrated economic and health modelling in impact assessments and socioeconomic analysis of air pollution and drinking water nitrate, while developing a European-wide exposure modelling for integrated assessment.



## **MISTRAL**

MISTRAL will create a web-based platform for a dynamic and flexible health impact assessment relying on AI predictive modelling. It will be capable of full, scalable adaptation modelling from the geographical control down to individual risk levels, and to manage counterfactual analyses as an interactive AI.



## **UBDPolicy**

UBDPolicy will estimate the health and socioeconomic costs and benefits of air quality, noise, lack of urban green spaces, heat and temperature, physical activity, and inequity for nearly 1,000 European cities in the EU and monitor 3-year trends and impacts of urban planning, transport planning and environmental policies.



## **VALESOR**

VALESOR will make major contributions to scientific and policy efforts in accommodating the economic values of environmental chemical stressors in policymaking, planning, and investments.

# WORKING GROUPS

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**METEOR's** work takes place in 6 working groups which bring together partners from different fields to synergise the outcomes from each project and create joint activities. Each working group is led by one of the five projects.



## **WG1 Science Translation & Policy**

WG1 will identify synergies and common policy areas within the research findings of the cluster projects and ways to transform these into policy strategies and initiatives.

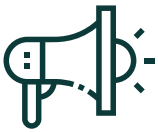
**Working Group led by UBDPolicy**



## **WG2 Data Analysis, Management, Protection and Standardisation**

WG2 will develop a common web-based interface to grant open data access and interoperability between different standardized datasets ensuring GDPR compliance in synergy with the recommendations from the other WGs.

**Working Group led by MISTRAL**



## **WG3 Communication & Dissemination**

WG3 will harmonise communication and dissemination activities between the projects for maximum impact.

**Working Group led by BEST-COST**



# WORKING GROUPS

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## **WG4 Exposure-response analysis**

WG4 will explore the exposure-response relationships for health impact assessments that arise from the cluster project focus areas including air pollution, noise, water contaminants and green spaces.

**Working Group led by UBDPolicy**



## **WG5 Health outcomes**

WG5 will provide easy-to-understand outputs to provide estimates and mapping of the health impact of environmental pollution, considering leading sources of pollution and vulnerable populations.

**Working Group led by VALESOR**



## **WG6 Economic analysis - Health Valuation**

WG6 will explore the economic costs caused by the health impacts from environmental stressors like air pollutants and chemicals to understand its full societal impact.

**Working Group led by VALESOR**



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