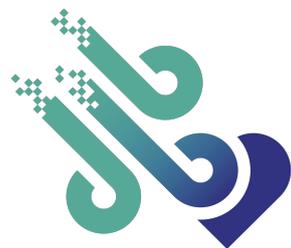




mistral

A toolkit  for dynamic health impact analysis to predict disability-Related costs in the Aging population based on three case studies of steel-industry exposed areas in Europe.

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## WHAT IS MISTRAL?



MISTRAL is a 4-year EU-funded research project which brings together a consortium of 11 partners from Europe and the UK and is led by the National Institute of Health (ISS).

MISTRAL sets out to deploy new methodologies for improving health and well-being impacts and the analysis of the socio-economic cost of environmental pressure, focusing on air quality.

## WHAT IS OUR MISSION?



The expected results from MISTRAL will deliver new technological tools able to help policies and practices that reduce the burden of disability and to create living and working environments that are more health-promoting, equitable and sustainable across the whole of Europe.

## WHAT DOES MISTRAL DO?



MISTRAL will combine a solid scientific approach with cutting-edge AI-based technologies to provide immersive digital tools for AI-enabled health impact assessment, that will enable stakeholders to simulate digital policies on mitigation of environmental effects in urban scenarios.



TARANTO IN ITALY



RYBNIK IN POLAND



GENK/HASSELT IN BELGIUM



## HOW DOES MISTRAL WORK?



- Three European Cities - Taranto, Rybnik, and Genk/Hasselt - will be involved as case studies to collect primary and secondary data on health status, lifestyle, diet, socioeconomic status, well-being, and environmental exposure.
- A Virtual Infrastructure with a Federated Learning Architecture will manage and process all the data and develop the forecasting models.
- An immersive visualization dashboard for the health impact assessment will be deployed to enable policy makers and stakeholders to model and interactively change the desired health impact scenario.

