EU-Human Exposome Project

REMEDIA

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What is REMEDIA about?

External exposome



Internal exposome



Why is this important?



- High burden:
 - COPD: 3rd cause of death
 - CF: most common inherited genetic disorder
- Invalidating diseases progressive decline of lung function
- Fatal diseases no curative treatment
- High phenotypic variability of unknown origin no good therapeutic efficacy

How will REMEDIA reach that goal?



What will REMEDIA deliver in 5 years



How will REMEDIA contribute to reaching the goals of the Green Deal



Protect the health and well-being of citizens from environmental-related risks

• REMEDIA outputs:



Disease phenotype





Cost-effectiveness models to assess the costs, performance and costeffectiveness of a selection of prevention strategies targeting exposome risk factors





Econometric models to test the interactions between economic, environmental and epidemiological variables



Combined sensor device

Versatile atmospheric simulation char

What are the critical needs for success

Identify decision makers, regulators, stakeholders from civil society to establish direct interaction with them throughout the project

Feed-back from policy making, NGOs, international organizations and patient associations to

- discuss their needs and adapt our guidelines / toolbox to their needs
- contribute to optimize / promote the dissemination of results

Sharing data on key component(s) to be considered in other Exposome Network projects with respiratory diseases as endpoints

Take advantage of the different approaches developed (exposome components, clinical endpoints, analytical methodologies, ...) to achieve larger picture

Address the robustness of each project individual Toolbox (i.e. simulation chamber, multi-risk assessment map for REMEDIA) in all Exposome Network projects

