



# HEIMTSA

**H**Health and **E**nvironment **I**ntegrated  
**M**ethodology and **T**oolbox for **S**cenario  
**A**ssessment



Website: [www.heimtsa.eu](http://www.heimtsa.eu)



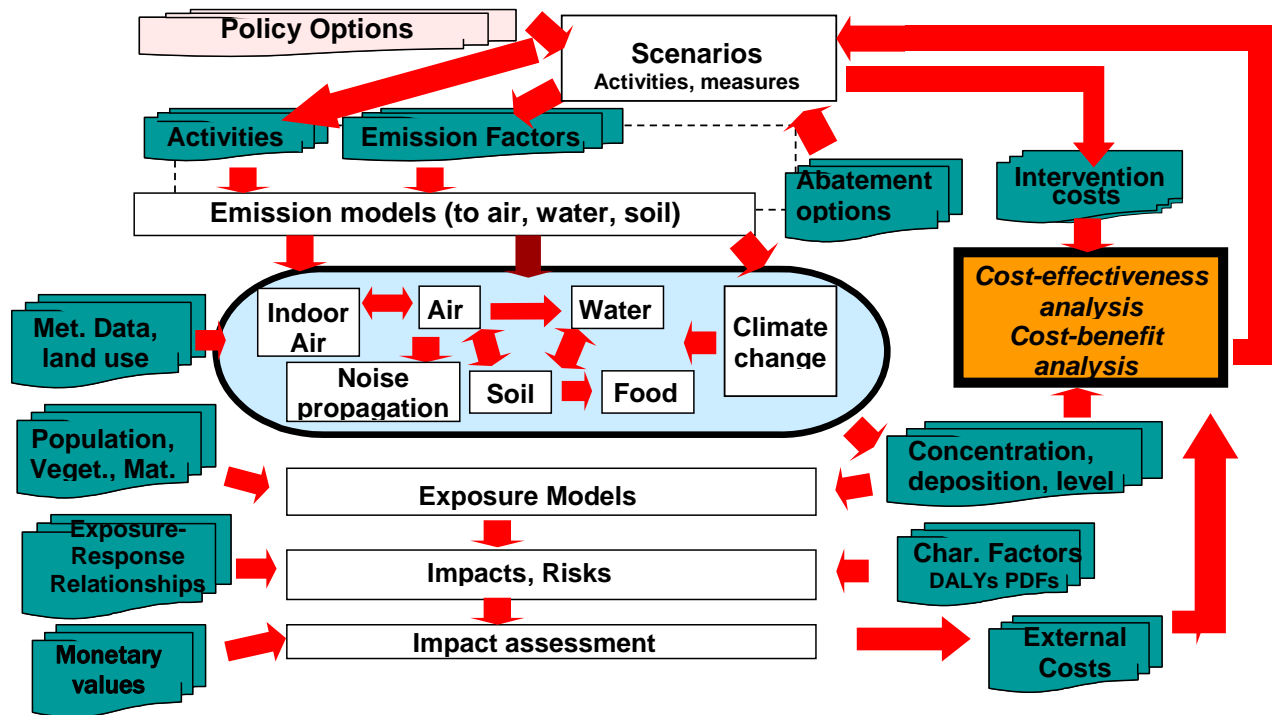
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## What is HEIMTSA?

The idea behind HEIMTSA is to extend available health impact assessment (HIA) and cost benefit analysis (CBA) methods and tools, to the point where it is possible to evaluate, at the European level, the environmental health impacts of real-life policy scenarios in key sectors such as transport, energy, agriculture, industry, households and waste treatment and disposal.

This will support the work of the European Commission, especially the Environment and Health Action Plan.

Drawing on past HIA/CBA studies, HEIMTSA follows the effects of policies from emissions to air, soil and water, through changes in environments and human exposures, to impacts on health and their monetary value. This is known as the 'full chain' or 'impact pathway' approach.



## What HEIMTSA plans to do

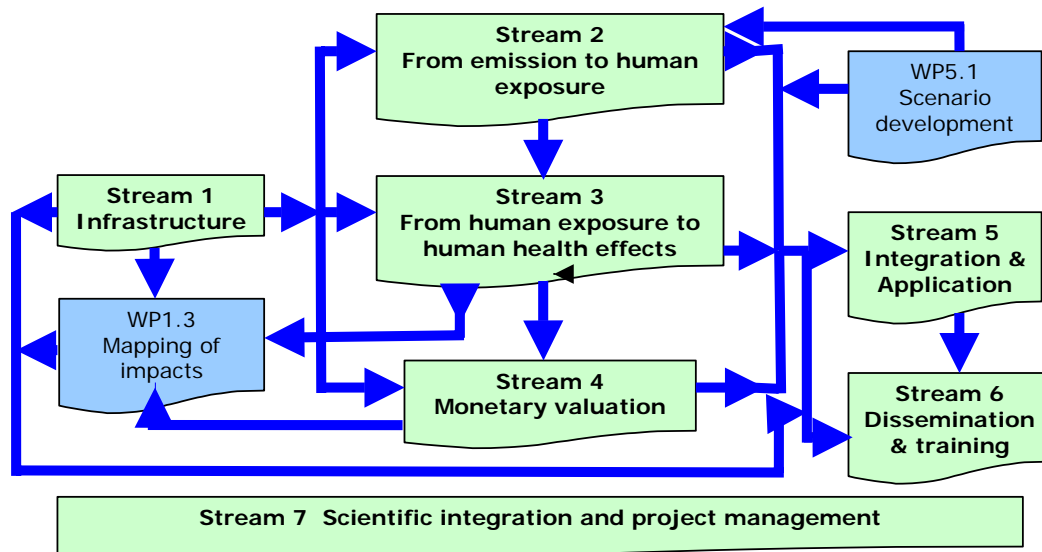
HEIMTSA is an ambitious project. We intend to develop and provide improved methods for health impact assessment (HIA) and cost benefit analysis (CBA) of environment and health issues, as reliably as practicable given current knowledge. This means using the best up-to-date scientific knowledge, especially on issues that have a big influence on final answers.

We will also develop an associated set of tools, or modular integrated assessment system (IAS), for implementing the methodology Europe-wide.

We will apply the methods and tools to selected realistic policy scenarios at the European level. These scenarios will be developed with help from policy-makers and other potential users of the work of HEIMTSA, especially in the European Commission.

We intend also that HEIMTSA will help to develop HIA/CBA capability in Europe, through its improvements in methods and tools, through dissemination and training, and more generally, through raising the profile of HIA/CBA methods, and by showing what is possible.

## Structure of HEIMTSA



**HEIMTSA comprises 7 sub-projects (Streams), with 18 Work Packages (WPs)**

### **Stream 1: Scientific infrastructure**

This cross-cutting Stream will ensure that HEIMTSA is well connected with other researchers and with potential users of its methods and tools (WP1.1), and that advanced methods of uncertainty assessment (WP1.2) and mapping (WP1.3) are integrated as core activities.

### **Stream 2: Exposure and transport pathways: from emissions to human exposure**

S2 will provide and, as far as practicable, quantify the links between emissions, transport pathways, exposure pathways and exposures of individuals and populations.

### **Stream 3: From human exposures to health effects**

The aim of this Stream is to provide a methodology for quantifying health effects arising from the exposures considered in S2, particularly those that can be assigned economic values in S4.

**Stream 4: Monetary valuation** WP4.1 will extend existing methods with new field studies in the UK, Norway, Czech

Republic and Italy. WP4.2 will examine alternatives to the usual methods of monetary valuation, and see whether other ways of aggregating diverse health impacts might be more acceptable to non-economists.

### **Stream 5: Integration and application**

WP5.1 will develop the baseline and other scenarios to be evaluated. WP5.2 deals with system design and integration, including interfaces between the component tools and modules. WP5.3 will test the usability of the methods and tools, and provide results from selected scenarios for discussion and use.

### **Stream 6: Dissemination and training**

S6 will ensure dissemination of the project tools, methods and findings to the Commission, to the scientific community and to other stakeholders; and will provide internal and external training.

### **Stream 7: Scientific integration and project management**

The aim of S7 is to ensure that HEIMTSA as a whole is unified, coherent and efficient, both scientifically and in terms of its management.

## Project participants

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