



Appraisal project

Air Pollution Policies
for Assessment
of Integrated Strategies
At regional and Local scales

Grant Agreement number 303895

WP5: Dissemination and policy support

JRC

D5.2 – Project Factsheet

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Category:	Other
Author(s):	Philippe Thunis (JRC), Marialuisa Volta (UNIBS)
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Summary

This is the Project Factsheet

Version History

Version	Status	Date	Author(s)
0.1	First Draft	12/07/2012	Philippe Thunis (JRC) Marialuisa Volta (UNIBS)
1.0	Final	31/07/2012	Philippe Thunis (JRC) Marialuisa Volta (UNIBS)

Summary of Changes

Version	Section(s)	Synopsis of Change
0.1	ALL	None - first draft
1.0	Deliv layout	Insert logo and structure

APPRAISAL

AT A GLANCE

Title: Air Pollution Policies for Assessment of Integrated Strategies At regional and Local scales

Instrument: FP7, Coordination and support actions

Total Cost: 999.990 €

EC Contribution: 999.990 €

Duration: 36 months

Start Date: 1/6/2012

Consortium: 15 partners from 11 countries

Project Coordinator: University of Brescia, Italy

Project Web Site: <http://www.appraisal-fp7.eu/>

Key Words: Integrated Assessment Modelling, Air Quality Guidance, Policy Support, Member State Co-ordination, Emission Abatement Assessment, Health Impacts, EU Air quality policy, Local and regional air quality planning

THE CHALLENGE

Air quality in Europe is still facing a continued wide-spread of exceedances, particularly regarding PM, NO_x and O₃. In case of non-compliance the 2008 Air Quality Directive requests Member States (MS) to design local and regional plans and assess their impacts on air quality and human health. MS have therefore developed and applied a wide range of modelling methods to cope with these obligations. Today, with the revision of the EU air quality policy pending, there is a need to consolidate and assess the research results in the field of Air Quality and health Impact Integrated Assessment and make them accessible to policy makers.

PROJECT OBJECTIVES

The APPRAISAL objectives are to:

1. Undertake an overall review of the Integrated Assessment methodologies used in different countries at regional and local scale, from the simple (scenario analysis) to the more comprehensive (cost-benefit, cost-effectiveness analysis). This includes evaluating both top-down and bottom-up approaches to systematically analyse their strengths and weaknesses and to identify key areas to be addressed by further research.
2. Design an Integrated Assessment Modelling framework, based on the information collected during the review process, for different policy-maker requirements, model capabilities and levels of data completeness.
3. Draw guidelines on how to implement the defined Integrated Assessment Modelling framework, based on identified strengths and weaknesses and best practice examples among the Integrated Assessment systems in place within MS.
4. Communicate with key stakeholders and in particular to policy-makers the state-of-the-art scientific knowledge on emission abatement assessment.



METHODOLOGY

The proposed methodology to achieve a systematic review includes the following steps:

- Defining a *common and structured format/language* (design of a database) in which the main characteristics as well as strengths and weaknesses of the different methodologies can be classified. This database will be organized around 4 main themes:
 - Synergies among National, regional and local approaches, including emission abatement policies;
 - Air quality assessment methodologies, (e.g. modeling, scenario assessment, cost-effective methods, source apportionment ...);
 - Health impact assessment approaches;
 - Uncertainty and robustness, including Quality Assurance / Quality Control (QAQC).
- Collecting and classifying the available information according to the defined common format (data entry).
- Generating a state-of-the-art database of Integrated Assessment systems.
- Comparing existing Integrated Assessment systems on the basis of the defined common format (systematic review) and identifying their strengths and limitations.
- Granting access to the database and consulting stakeholders and policy makers.
- Establishing direct links to EU projects related to air quality policy, exposure analysis and health impact assessment.

PROJECT PARTNERS	COUNTRY
UNIVERSITA DEGLI STUDI DI BRESCIA	Italy
JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION	Italy
VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK N.V.	Belgium
SUOMEN YMPARISTOKESKUS	Finland
INSTITUT NATIONAL DE L ENVIRONNEMENT ET DES RISQUES	France
ARISTOTELIO PANEPISTIMIO THESSALONIKIS	Greece
UNIVERSIDADE DE AVEIRO	Portugal
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	France
SYSTEMS RESEARCH INSTITUTE OF THE POLISH ACADEMY OF SCIENCES IBS PAN	Poland
TERRARIA SRL	Italy
CENTRO DE INVESTIGACIONES ENERGETICAS, MEDIOAMBIENTALES Y TECNOLOGICAS-CIEMAT	Spain
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