



Coordination and support action



# APPRAISAL

Air Pollution Policies for  
Assessment of Integrated  
Strategies At regional and Local  
scales  
(2012-2015)



# Project objectives

- Review of the AQ and HA methodologies
- Design an Integrated Assessment System framework
- Guidelines on how to implement the defined Integrated Assessment System
- Communication to key stakeholders and to policy-makers of the state-of-the-art scientific knowledge on air quality assessment; support to the review of the EU Air Policy



# WPs and tasks

WP	Tasks
<b>Review</b> and gaps identification in <b>Air Quality and health assessment methodologies</b> at regional and local scale  <b>WP leader: Aveiro University</b>	<ol style="list-style-type: none"><li>1. synergies among national, regional and local approaches</li><li>2. air quality assessment, including modelling, measuring and source apportionment</li><li>3. health impact assessment approaches</li><li>4. uncertainty and robustness, including QAQC</li></ol>
<b>Designing IA systems</b> interconnecting national, regional, local models and strategies  <b>WP leader: Brescia University</b>	<ol style="list-style-type: none"><li>1. Defining the structure of the input database</li><li>2. Defining the Decision modelling framework</li><li>3. Policy focused output</li><li>4. Tools for sensitivity analysis and complementary methodologies</li></ol>
<b>Guidance</b> on integrated air quality and health assessment systems  <b>WP leader: VITO</b>	<ol style="list-style-type: none"><li>1. Guidelines elaboration</li><li>2. Guidelines evaluation:<ol style="list-style-type: none"><li>a. Tier 1: 'simple' approaches (e.g. what-if analysis or scenario analysis)</li><li>b. Tier 2: 'comprehensive' approaches (e.g. full cost-benefit analysis)</li></ol></li><li>3. Guidelines finalization</li></ol>
Dissemination and <b>policy support</b>  <b>WP leader: IES-JRC</b>	<ol style="list-style-type: none"><li>1. Communication to key stake-holders and policy makers</li><li>2. Communication to public</li><li>3. Ongoing support to the AQ review process</li></ol>



# Expected outcomes

methods	outcomes
<ul style="list-style-type: none"><li>structured analysis of IA methodologies</li></ul>	<ul style="list-style-type: none"><li><b>IA input data structure;</b></li><li>procedures to <b>harmonize IA top-down and bottom-up approaches;</b></li><li>definition of <b>non-technical emission abatement measures</b>, assessing <b>internal costs;</b></li><li><b>source-receptor models</b> at different scales and for different policy objectives;</li><li><b>dose-response functions</b> for health impact assessment.</li><li>Identification of <b>limitation of current IA systems</b></li></ul>
<ul style="list-style-type: none"><li>decision model framework design</li></ul>	<ul style="list-style-type: none"><li><b>decision model approaches</b> to interpret the <b>non linear chemical processes at different spatial scales;</b></li><li>indicators and procedures to assess the <b>sensitivity of the decision problem solutions</b> (effective policies) to inputs, solver algorithms, source-receptor models, internal and external costs uncertainty.</li></ul>
<ul style="list-style-type: none"><li>the guideline evaluation</li></ul>	<ul style="list-style-type: none"><li>improve the <b>use of scientific knowledge by policy makers</b> and regulatory bodies in Member States;</li><li><b>support the coming revision of EU air quality policy;</b></li><li>direct future high quality research towards filling present gaps and develop tools that allow stronger integration at all decision levels.</li></ul>



# Partners

	<b>Partner</b>		<b>Country</b>	<b>Contact</b>
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	University of Strasbourg	(UDS)	FR	
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14	UBA	UBA	DE	A. Graff
15	Les White	LWA	UK	L. White



# Meetings

- APPRAISAL – NIAM joint meeting  
Brescia (I) June 29, 2012



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