ESBIO

Project ID: 22580
Funded under: FP6-POLICIES

Development of a coherent approach to human biomonitoring in Europe

From 2005-10-01 to 2007-09-30 | ESBIO Website

Project details

<table>
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<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tr>
<td>EUR 1 055 000</td>
<td>POLICIES-2.3 - The impact of environmental issues on health</td>
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<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
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<tr>
<td>EUR 1 055 000</td>
<td>FP6-2004-SSP-4</td>
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<td>See other projects for this call</td>
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<th>Coordinated in:</th>
<th>Funding scheme:</th>
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<tr>
<td>Germany</td>
<td>CA - Coordination action</td>
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Objective

ESBIO aims at developing a coordinated approach for human biomonitoring (HBM) with focus on children in Europe, in line with Action 3 of the EU E&H Action Plan by providing strong scientific support for the pilot project to be launched end 2006. The project proposal aims to overcome specific deficiencies in EU HBM in particular by generating significant added value with:

- An updated and extended inventory of EU HBM activities and data bases, ensuring relevant activities and stakeholders to be integrated in the development of a coordinated approach and creating a platform for exchange;
- Proposals - for a coordinated approach and for a pilot study - for possible objectives, target pollutants and appropriate markers, study design and methods for collection, analysis and evaluation of data, protocol for laboratory coordination;
- A concept for integration of biomonitoring with environmental and health monitoring and for translation of HBM results into a response system;
- Guidelines for ethical practices;
- Guidelines for communication and dissemination of results;
- Strategies for wider communication to stakeholders;
- An assessment of socio-economic consequences and costs of various alternatives, including a concept to improve cost efficiency;
- A concept for coordination, evaluation and follow up of a EU pilot project;
- A systematic overview and evaluation of the sensitivity and utility of biomarkers in perspective of a EU pilot project;
- A strategy for synergism between environmental health research and a pan EU HBM surveillance network.

Members of ESBIO actively participated in the elaboration of the EU E&H Strategy and are active in EU institutions playing a major role in HBM research and surveillance focussing on children. ESBIO is geographically well balanced, involves 62% female and 38% male researchers, has complementary competencies (research, surveillance, ethical issues, socio economic consequences, coordination, management, policy consulting...)

Related information

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<th>Result In Brief</th>
<th>Coordinating human biomonitoring data</th>
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<th>Report Summaries</th>
<th>Concept for communication accompanying a HBM pilot project</th>
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<td>Concept to establish biomonitoring as a policy making tool</td>
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Ethical issues related to present and future biomonitoring programs in EU countries by describing rules and practices in a number of countries and by organising a workshop

Final Report Summary - ESBIO (Development of a coherent approach to human biomonitoring in Europe)

Guideline for data collection (sampling, chemical analysis and data management) in the framework of a EU Human Biomonitoring Pilot Study

Guideline for laboratory selection (invitation to tender and evaluation of proposals) in the framework of a EU Human Biomonitoring Pilot Study

Guideline on the possibilities to link HBM with environment and health data

Guidelines for integration scenarios and implementation strategies for biomonitoring results to be tested in a pilot study

Proposal for pollutants/biomarkers in regard to a EU Human Biomonitoring Project

Questionnaire to be used in a EU Human Biomonitoring Pilot Study

Report on the utility and sensitivity of biomarker

Socio economic optimisation and concept for coordination for an harmonised approach to HBM in Europe

Updated European inventory of biomonitoring and concept for a platform for exchange of expertise and experience

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