Development of a coherent approach to human biomonitoring in Europe

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

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 055 000</td>
<td>POLICIES-2.3 - The impact of environmental issues on health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 1 055 000</td>
<td>FP6-2004-SSP-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Coordinated in:</th>
<th>Funding scheme:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>CA - Coordination action</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Related information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Result In Brief</td>
<td>Coordinating human biomonitoring data</td>
</tr>
<tr>
<td>Report Summaries</td>
<td>Concept for communication accompanying a HBM pilot project</td>
</tr>
<tr>
<td></td>
<td>Concept to establish biomonitoring as a policy making tool</td>
</tr>
</tbody>
</table>
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 a harmonised approach to HBM in Europe

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

Coordinator

BIPRO GMBH
Grauertstr. 12
MUNICH
Germany

Administrative contact: Reinhard JOAS, (Managing Director)
Tel.: +49-891-8979050
Fax: +49-891-8979052
E-mail

Participants

VLAAMSE INSTELLING VOOR TECHNOLOGISCH ONDERZOEK NV
Boeretang 200
MOL
Belgium
See on map

Administrative contact: Greet SCHOETERS
Tel.: +32-14335200
E-mail
FEDERAL ENVIRONMENTAL AGENCY (UMWELTBUNDESAMT) Germany
Wörlitzer Platz 1
DESSAU
Germany

Administrative contact: Marike KOLOSSA
Tel.: +49-30/8903-1600
Fax: +49-30/8903-1830
E-mail

NOFER INSTITUTE OF OCCUPATIONAL MEDICINE Poland
8 SW. TERESY STR.
199 LODZ
Poland

Administrative contact: Marek JAKUBOWSKI
Tel.: +48-426314801
Fax: +48-426528331
E-mail

INSTITUTE OF PREVENTIVE MEDICINE - FACULTY OF MEDICINE OF LISBON Portugal
Faculdade de Medicina de Lisboa, Av. Prof. Egas Moniz, Ed. Egas Moniz, P0, Ala C, Sala 60
LISBON
Portugal

Administrative contact: Maria De Fátima REIS
Tel.: +351-217999489
Fax: +351-217999487
E-mail

UNIVERSITY OF COPENHAGEN Denmark
Norregade 10
2177 COPENHAGEN
Denmark

Administrative contact: Lisbeth Ehlert KNUDSEN
Tel.: +45-35327653
Fax: +45-35327610
E-mail

KATHOLIEKE UNIVERSITEIT LEUVEN Belgium
Oude Markt 13
LEUVEN
Belgium
See on map

Administrative contact: Jean-pierre FRYNS
Tel.: +32-16345859
Fax: +32-16346051
E-mail
INSTITUT DE VEILLE SANITAIRE / NATIONAL INSTITUTE OF PUBLIC HEALTH SURVEILLANCE
12 rue du Val d’Osne
SAINT MAURICE
France

Administrative contact: Nadine FRÉRY
Tel.: +33-141796758
Fax: +33-141796768
E-mail

ENVIRON NETHERLANDS B.V.
Zeisteroever 17
ZEIST
Netherlands

Administrative contact: Louis BLOEMEN
Tel.: +31-614542464
E-mail

STATE GENERAL LABORATORY, MINISTRY OF HEALTH
Kimonos 44
NICOSIA
Cyprus

Administrative contact: Stella MICHAELIDOU-CANNA
Tel.: +357-22809140
Fax: +357-22316434
E-mail

INITIATIV LIEWENSUFANK ASSOCIATION SANS BUT LUCRATIF IBFAN-LUXEMBOURG
Rue de Contern 20
ITZIG
Luxembourg

Administrative contact: Maryse LEHNERS-ARENDT
Tel.: +352-36059711
Fax: +352-366134
E-mail

SHELL INTERNATIONAL HEALTH SERVICES
Carel van Bylandtlaan 30
162 DEN HAAG
Netherlands
See on map

Administrative contact: Pieter J. BOOGAARD
Tel.: +31-703772123
Fax: +31-703772840
E-mail
INSTITUTE FOR MEDICAL RESEARCH AND OCCUPATIONAL HEALTH
Ksavarska c 2
ZAGREB
Croatia

Administrative contact: Aleksandra FUCIC
Tel.: +385-14673188
Fax: +385-14673303
E-mail

AGENZIA REGIONALE PER LA PROTEZIONE DELL' AMBIENTE DELLA LOMBARDIA
VIALE FRANCESCO RESTELLI 3/1
MILANO
Italy

Administrative contact: Carlo SALA
Tel.: +269-666354
Fax: +269-666254
E-mail

NATIONAL HELENIC RESEARCH FOUNDATION
48 Vassileos Constantinou Avenue
ATHENS
Greece

Administrative contact: Soterios KRYTOPOULOS
Tel.: +30-210-7273740
Fax: +30-210-7273677
E-mail

INSTITUTE OF ENVIRONMENTAL MEDICINE, KAROLINSKA INSTITUTET
Nobels väg 13
210 STOCKHOLM
Sweden

Administrative contact: Marika BERGLUND
Tel.: +46-852487536
Fax: +46-8337039
E-mail

REGIONAL AUTHORITY OF PUBLIC HEALTH BANSKÁ BYSTRICA
Cesta k nemocnici 1
BANSKÁ BYSTRICA
Slovakia

Administrative contact: Eleonóra FABIÁNOVA
Tel.: +421-484143514
E-mail
NATIONAL INSTITUTE OF PUBLIC HEALTH
Srobarova 48
PRAGUE
Czech Republic

Administrative contact: Milena CERNA
Tel.: +420-267082378
Fax: +420-267082378
E-mail

UMWELTBUNDESAMT GMBH (FEDERAL ENVIRONMENT AGENCY)
Spittelauer Lände 5
VIENNA
Austria

Administrative contact: Philipp HOHENBLUM
Tel.: +43-1-313045204
Fax: +43-1-313045222
E-mail

FINNISH INSTITUTE OF OCCUPATIONAL HEALTH
Topeliuksenkatu 41 a A
HELSINKI
Finland

Administrative contact: Ari HIRVONEN
Tel.: +358-304742204
Fax: +358-304742208

HEALTH PROTECTION AGENCY
61 Colindale Avenue
LONDON
United Kingdom

Administrative contact: Ovnair SEPAI
Tel.: +44-1235822895
Fax: +44-1235822614
E-mail

NATIONAL INSTITUTE FOR HEALTH DEVELOPMENT
Hiiu st. 42
TALLINN
Estonia

Administrative contact: Toomas VEIDEBAUM
Tel.: +372-6593903
Fax: +372-6593901
E-mail