



## Objectives, tasks, deliverables and visions of ESBIO

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ESBIO Meeting

7 September 2007

Brussels



## Background

2003 European Environment and Health Strategy

2004 Communication on the Environment and Health Action Plan 2004 – 2010

In the framework of Action 3 the European Commission committed to develop in close cooperation with the Member States a coherent approach to Human Biomonitoring in Europe.

2005

Given the complexity of the issues a STEP-BY-STEP approach has been set up:

1. step: technical preparation of the EU HBM Pilot Project → ESBIO Project
2. step: EU network on Human Biomonitoring (Pilot Project)



## Objectives of ESBIO



Coordinated approach for Human Biomonitoring (HBM) in Europe based on existing experiences



Possibilities to integrate HBM results most efficiently with environmental monitoring and registered health data



Strategy for communication of HBM results



Scenarios for the use of Biomonitoring results for policy making



### Project data

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- Start in October 2005
- Duration 2 years
- 22 institutions
- 17 MS + Croatia
- [www.eu-humanbiomonitoring.org](http://www.eu-humanbiomonitoring.org)
- project officer Tuomo Karjalainen (DG RTD)
- cooperation with Birgit Van Tongelen (DG ENV)



## Work packages

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### WP 1: INVENTORY ON HBM – Fátima Reis

#### Main output:

Conference "State of the Art of HBM in Europe"

→ Special issue of the International Journal of Hygiene and Environmental Health

Inventory on human biomonitoring activities in Europe

→ [www.hbm-inventory.org](http://www.hbm-inventory.org)



## Work packages

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### WP 2: GUIDELINES FOR BEST PRACTISE AND COORDINATED APPROACH – Marike Kolossa

#### Main output:

- Objectives of EU HBM Approach and the EU pilot project
- Proposal for pollutants and biomarkers
- Draft questionnaire for the Pilot Study
- Proposal for harmonised way of collecting and analysing selected pollutants and for data management
- Models for inter-laboratory comparison and proposal for organisation of laboratory work
- Proposal for population sampling, recruitment and biological sampling



## Work packages

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### WP 3: GUIDELINES FOR INTEGRATION SCENARIOS WITH E&H MONITORING – Greet Schoeters

#### Main output:

- Scenarios for integration of HBM data with environmental & health data (exposure-dose-response triad )
- Concept to establish biomonitoring as a policy making tool
- Guidelines for integration scenarios and implementation strategies for biomonitoring (Practical guidelines on what information will be needed for interpretation and which (statistical) analyses may be useful)



## Work packages

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### WP 4: ETHICS ISSUES – Lisbeth E. Knudsen

#### Main output:

- Information sheets on regulations regarding data protection and on regional ethics committees for the majority of ESBIO countries
- Workshop on "Ethical practises and communication in human biomonitoring"
- Supplement issue in "Environmental Health"
- Proposal for communication to study participants



## Work packages

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### WP 5: SOCIO ECONOMIC CONSEQUENCES – Reinhard Joas

#### Main output:

- Cost calculations for the pilot project
- Socio economic optimisation
- Communication Concept
- Follow up of the pilot project



## Work packages

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WP 6: UTILITY AND SENSITIVITY OF BIOMARKERS – Marek Jakubowski

### Main output:

→ Report on the utility and sensitivity of biomarkers



## Follow up of the pilot project

