European Commission

HBM4EU

HBM4EU – science and policy for a healthy future

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***AgriResearch Conference**, 2-3 May 2018, Brussels*

Research and Innovation

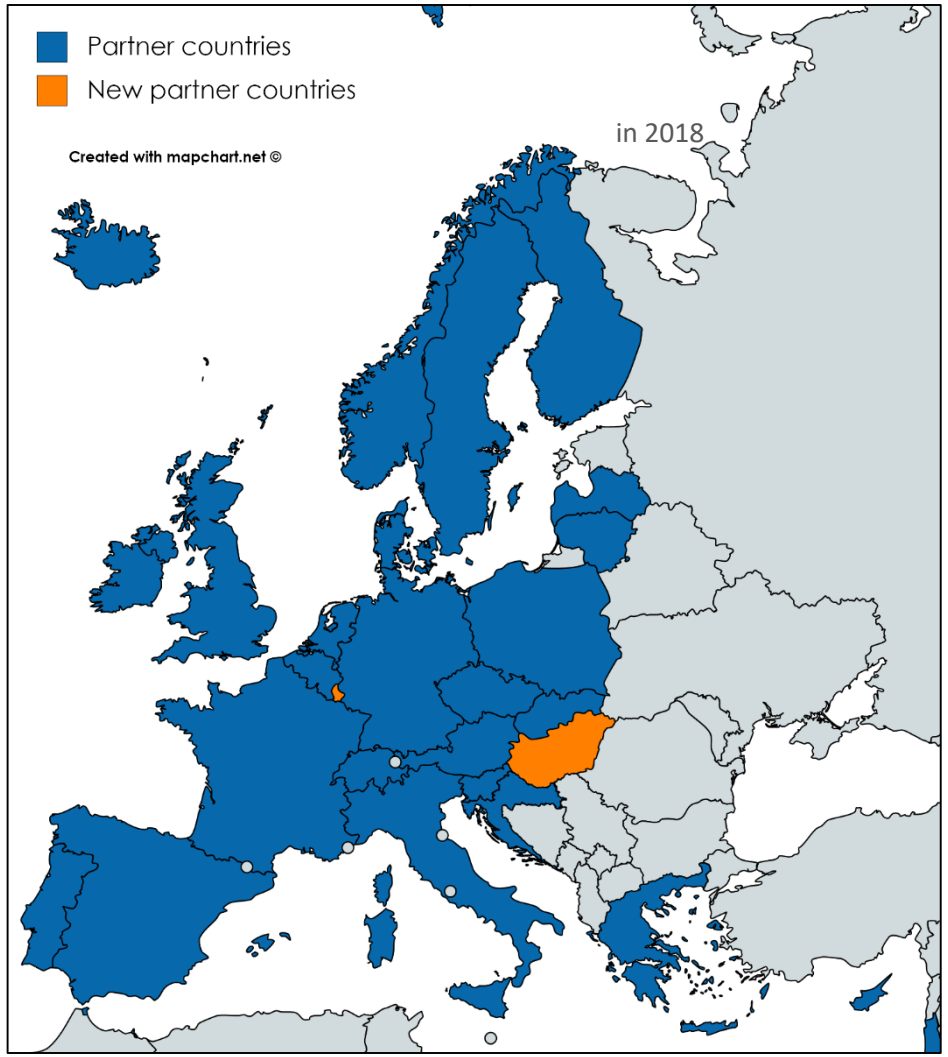
Objectives of HBM4EU – EU knowledge for EU policies

HBM4EU

⇨ Clear, factual, open evidence for policy making

- Generate EU-wide **evidence** on human **exposure** to chemicals and understand the **impact on human health**
- Research on policy makers open questions, enhance chemical risk assessment and track efficacy of existing policies - **bridge science and policy**
- Coordinate and interlink HBM activities in the EU – **HBM Platform**
- Comparable and validated exposure and health data for sound policy-making – **IPCheM**
- Models linking external and internal exposure, AOPs, long-term effects, link to health data – **Research activities**
- Share excellence, spread best practice, promote capacity, communicate – **Knowledge Hub and training**
- Promote **sustainability**

Partners, timeframe and budget



28 countries and the European Environment Agency:

- 24 EU Member States
- 3 associated countries
- Switzerland

Coordinator: German Environment Agency (UBA)

Co-coordinator: Flemish Institute for Technological Research (VITO)

5 year project: 1 January 2017 to 31 December 2021

Horizon 2020, European Joint Programme Co-fund

- Costs are reimbursed by the European Commission at 70%
- Co-financing of 30% by partners

Total costs: € 74 million
Maximum grant: € 50 million

Organisation

Pillar 1: Science to Policy

- WP4: Prioritisation and input to the annual work plan
- WP5: Translation of results into policy
- WP6: Sustainability and capacity building

Pillar 2: European HBM Platform

- WP7: Survey design and fieldwork preparation
- WP8: Targeted field work surveys and alignment at EU level
- WP9: Laboratory analysis and quality assurance
- WP10: Data management and analysis

Pillar 3: Exposure and Health

- WP11: Linking HBM, health studies, and registers
- WP12: From HBM to exposure
- WP13: Establishing exposure health relationships
- WP14: Effect Biomarkers
- WP15: Mixtures, HBM and human health risks
- WP16: Emerging Chemicals

- WP3: Internal Calls
- WP17: Ethics Requirements
- WP2: Knowledge Hub
- WP1: Programme management and coordination

Scientific and Administrative Management

Management Board: Coordinator & Co-coordinator, WPLs, PLs, NHC

National and EU Stakeholders; Advisory Board

EU Policy Board

Governing Board: Programme Owners

National Hubs

Priority substances – meeting the policy needs

1st round
Phthalates and DINCH
Poly/per-fluorinated compounds
Bisphenol A, S and F
Brominated and organophosphate flame retardants
Poly aromatic hydrocarbons
Cadmium and chromium VI
Aniline derivatives
Mixtures
Emerging substances

Year 1 Inventory & coordination:

- Policy questions & resulting activities
- National HBM activities
- Laboratories
- Data
- Biomarkers
- QA/QC, Guidelines and SOPs
- AOPs & Models
- Reference values & HBM indicator
- Etc.

Year 2 Launching activities:

- New surveys
- New data
- Reference and guidance values
- Exposure models
- Research on health impact

2nd round
→ Prioritisation process put in place an implemented
→ Consultation of countries, EU Policy Board, Stakeholders
→ List to be agreed by Governing Board
→ Public summer 2018

Pesticides and pyrethroids amongst top candidates!

Inventory & coordination

- Aligned national/occupational studies
- EU representative sampling and data
- EU guidance and reference values
- Input to risk assessment
- Joint research

HBM4EU – official website: about sharing knowledge

Thank you for your attention !
Thanks to all the partners in HBM4EU!

For more information:

www.hbm4eu.eu or follow **#hbm4eu**

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 733032.