Objective

The overarching goal of the European Human Biomonitoring Initiative (HBM4EU) is to generate knowledge to inform the safe management of chemicals and so protect human health. We will use human biomonitoring to understand human exposure to chemicals and resulting health impacts and will communicate with policy makers to ensure that our results are exploited in the design of new chemicals policies and the evaluation of existing measures.

Key objectives include:
• Harmonizing procedures for human biomonitoring across 26 countries, to provide policy makers with comparable data on human internal exposure to chemicals and mixtures of chemicals at EU level;
• Linking data on internal exposure to chemicals to aggregate external exposure and identifying exposure pathways and upstream sources. Information on exposure pathways is critical to the design of targeted policy measures to reduce exposure;
• Generating scientific evidence on the causal links between human exposure to
chemicals and negative health outcomes; and
• Adapting chemical risk assessment methodologies to use human biomonitoring
data and account for the contribution of multiple external exposure pathways to the
total chemical body burden.
We will achieve these objectives by harmonizing human biomonitoring initiatives in
26 countries, drawing on existing expertise and building new capacities. By
establishing National Hubs in each country to coordinate activities, we will create a
robust Human Biomonitoring Platform at European level.
This initiative contributes directly to the improvement of health and well-being for all
age groups, by investigating how exposure to chemicals affects the health of different
groups, such as children, pregnant women, foetuses and workers. We will also
investigate how factor such as behavior, lifestyle and socio-economic status
influence internal exposure to chemicals across the EU population. This knowledge
will support policy action to reduce chemical exposure and protect health.

Programme(s)

Topic(s)

Call for proposal

H2020-SC1-2016-RTD

Funding Scheme

COFUND-EJP - COFUND (European Joint Programme)

Coordinator

UMWELTBUNDESAMT
Address
Woerlitzer Platz 1
06844 Dessau-rosslau
Germany
Activity type
Research Organisations
EU contribution
€ 10 535 680,09

Website
Contact the organisation

Participants (42)

UMWELTBUNDESAMT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG (UBA
GMBH)
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| Austria                 | € 1 130 451,26   | Spittelauer Lande 5
                        1090 Wien                         | Other                  | [Link](#) | [Link](#) |
| Belgium                 | € 0              | Rue Juliette Wytsman 14
                        1050 Bruxelles                      | Research Organisations | [Link](#) | [Link](#) |
| Belgium                 | € 585 212,17     | Juliette Wytsmanstraat 14
                        1050 Elsene                          | Research Organisations | [Link](#) | [Link](#) |
| Belgium                 | € 4 525 900,59   | Boeretang 200
                        2400 Mol                                | Research Organisations | [Link](#) | [Link](#) |
| Switzerland             | € 0              |                                  |                        |         |                         |
Ministry of Health of the Republic of Cyprus
Cyprus
EU contribution
€ 405 069.52
Address
1 Prodromou Street & 17
Chilonos Street 1 & 17
1448 Nicosia
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Contact the organisation

Masarykova univerzita
Czechia
EU contribution
€ 1 864 456.53
Address
Zerotinovo Namesti 9
60177 Brno Stred
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

REGION HOVEDSTADEN
Denmark
EU contribution
€ 1 289 859.34
Address
Kongens Vaenge 2
3400 Hillerod
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Website
Contact the organisation

DANMARKS TEKNISKE UNIVERSITET
Denmark
EU contribution
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<td>Italy</td>
<td>€ 1 606,63</td>
<td>Via Giorgio Ribotta 5 00144 Roma</td>
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<td>NACIONALINE VISUOMENES SVEIKATOS PRIEZIUROS LABORATORIJA</td>
<td>Lithuania</td>
<td>€ 158 974,14</td>
<td>Zolyno G. 36 10210 Vilnius</td>
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VALSTS IZGLITIBAS ATTISTIBAS AGENTURA
Latvia
EU contribution
€ 121 095,47
Address
Valnu Iela 1
1050 Riga
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Website
Contact the organisation

RIGAS STRADINA UNIVERSITATE
Latvia
EU contribution
€ 159 830,46
Address
Dzirciema Street 16
1007 Riga
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

RIJKSINSTITUUT VOOR VOLKSGEZONDHEID EN MILIEU
Netherlands
EU contribution
€ 3 862 579,40
Address
Antonie Van Leeuwenhoeklaan 9
3721 MA Bilthoven
Activity type
Research Organisations
Website
Contact the organisation

FOLKEHELSEINSTITUTTET
Norway
Norway
EU contribution
€ 840 631,30

Address
Lovisenberggata 8
0456 Oslo

Activity type
Research Organisations

Website
Contact the organisation

Poland
EU contribution
€ 396 441,78

Address
Ul Sw Teresy Od Dzieciatka
Jezus 8
91 348 Lodz

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

Portugal
EU contribution
€ 393 572,56

Address
Avenida D Carlos I 126
1249 074 Lisboa

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Website
Contact the organisation

Portugal
EU contribution
€ 693 077,31

Address
Avenida Padre Cruz
1600 560 Lisboa

Activity type
Research Organisations

Website
Contact the organisation

NATURVARDSVERKET
Sweden
EU contribution
€ 1 132 140,88
Address
Valhallavagen 195
106 48 Stockholm
Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
Website
Contact the organisation

NACIONALNI INSTITUT ZA JAVNO ZDRAVJE
Slovenia
EU contribution
€ 277 650,96
Address
Trubarjeva Cesta 2
1000 Ljubljana
Activity type
Research Organisations
Website
Contact the organisation

INSTITUT JOZEF STEFAN
Slovenia
EU contribution
€ 703 529,01
Address
Jamova 39
1000 Ljubljana
Activity type
Research Organisations
Website
Contact the organisation

SLOVENSKA ZDRAVOTNICKA UNIVERZITA V BRATISLAVE
Slovakia
EU contribution
€ 328 784,86
Address
Limbova 12
83303 Bratislava
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation

URAD VEREJNEHO ZDRAVOTNICTVA SLOVENSKEJ REPUBLIKY
Slovakia
EU contribution
€ 133,214.82

Address
Trnavská Cesta 52
82645 Bratislava

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Website
Contact the organisation

Department of Health
United Kingdom
EU contribution
€ 1,703,344.01

Address
Quarry House, Quarry Hill
LS2 7UE Leeds

Activity type
Research Organisations

Website
Contact the organisation

NEMZETI NEPEGESZSEGUGYI KOZPONT
Hungary
EU contribution
€ 108,742.06

Address
Albert Florian Ut 2-6
1097 Budapest

Activity type
Research Organisations

Contact the organisation

LABORATOIRE NATIONAL DE SANTE
Luxembourg
EU contribution
€ 275,212.31

Address
1 Rue Louis Rech
3555 Dudelange

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation

J.Z.U. INSTITUT ZA JAVNO ZDRAVJE NA REPUBLIKA SEVERNA MAKEDONIJA
SKOPJE
North Macedonia
EU contribution
€ 79 705.94

Address
Divizija 50 Br 6
1000 Skopje

Activity type
Research Organisations

Website
Contact the organisation

TERVISEAMET
Estonia
EU contribution
€ 17 318.44

Address
Paldiski Mnt 81
10617 Tallinn

Activity type
Public bodies (excluding
Research Organisations and
Secondary or Higher
Education Establishments)

Contact the organisation

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