



science and policy
for a healthy future

HORIZON2020 Programme
Contract No. 733032 HBM4EU

Updated list of candidate laboratories to develop new analytical methods in HBM4EU WP9

Information extracted from Deliverable Report D9.6:

**Database of candidate laboratories for the 2nd
prioritisation round of substances and
update for the 1st round**

WP 9 - Laboratory analysis and quality assurance

Upload by Coordinator: 15 April 2019

Entity	Name of person responsible	Short name institution	Date [Received]
Coordinator	Marike Kolossa	UBA	21/03/2019
Grant Signatory	Argelia Castaño	ISCIII	21/03/2019

Entity	Name of person responsible	Short name institution	Date [Approved]
Pillar Leader	Argelia Castaño Calvo Greet Schoeters	ISCIII VITO	21/03/2019
Work Package Leader	Argelia Castaño Calvo Marta Esteban López	ISCIII	21/03/2019
Task leader	Marta Esteban López	ISCIII	15/03/2019

Responsible author	Octavio Pérez Luzardo, ULPGC Marta Esteban López, ISCIII	E-mail	octavio.perez@ulpgc.es
Short name of institution		Phone	+34 928 451 424
Co-authors	Silvia Gómez Pérez Argelia Castaño Calvo		

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 2

Table of contents

1	Authors and acknowledgements	3
2	Introduction	4
3	Candidate laboratories to develop new analytical methods	5

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 3

1 Authors and acknowledgements

Lead authors

Marta Esteban López. Instituto de Salud Carlos III (ISCIII).

Silvia Gómez. Instituto de Salud Carlos III (ISCIII).

Octavio Pérez Luzardo. Universidad Las Palmas de Gran Canaria (ULPGC).

Argelia Castaño Calvo. Instituto de Salud Carlos III (ISCIII).

Contributors

Paula Batista-Santos, Elsa Vasco, Paula Alvito. National Health Institute Doutor Ricardo Jorge of the Serviço Nacional de Saúde (SNS), Portugal.

Toma Petrulionienė, Dagnė Janarauskienė, Rosita Balčienė. National Public Health Surveillance Laboratory (NVSPL), Lithuania.

Juan José Ramos, Susana Pedraza, Miguel Motas. Instituto de Salud Carlos III (ISCIII), Spain.

Luis Alberto Henríquez Hernández, Manuel Zumbado Peña, Luis Domínguez Boada. University of Las Palmas de Gran Canaria (ULPGC), Spain.

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 4

2 Introduction

The main objective of task 9.2 is the identification of the candidate laboratories in HBM4EU for performing chemical analysis, developing new analytical methods and supporting the QA/QC program. These candidate laboratories could take part in the activities of HBM4EU after their subsequent successful participation in the Interlaboratory Comparison Investigations (ICIs) and External Quality Assurance Scheme (EQUAS) (biomarker analysis) or after being selected according to the criteria defined by experts (new analytical methods and QA/QC support).

During 2017 the list of the candidate laboratories were elaborated for the substances in the 1st round of prioritization. This list was updated under the request of WP8 task in relation to the occupational and aligned studies. According to the activities described in the AWP 2018, the lists for the 1st round of prioritization should be updated in parallel with the elaboration of the list of candidate laboratories for the 2nd prioritization round. The updated list of candidate laboratories to develop new analytical methods in HBM4EU is presented here.

.

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 5

3 Candidate laboratories to develop new analytical methods

For the preparation of the list of candidate laboratories for the development of new analytical methods, the results of the surveys completed by 60 European laboratories were evaluated independently by INSA (Portugal) and CNSA - ISCIII (Spain). The only excluding criteria applied was “having experience in developing new analytical methods in biological samples”. The new laboratories added in the candidate list are marked in blue colour.

Updates list of candidate laboratories to develop new analytical methods

Laboratory/Group	Centre	Country
Institute of Legal Medicine and Core Facilityx Metabolomics	Medical University of Innsbruck	Austria
Testing Laboratory for environmental analysis, GMO and fuel analysis	Umweltbundesamt GmbH	Austria
Global Exposomics & Biomonitoring Group; Inst. of Food Chemistry and Toxicology	University of Vienna	Austria
VITO - goal	VITO	Belgium
Laboratory of Food Analysis, Department of Bioanalysis	Ghent University	Belgium
Laboratory for Occupational and Environmental Hygiene	KU Leuven	Belgium
Toxins and natural components	CODA-CERVA	Belgium
Trace elements and nanomaterials	CODA-CERVA	Belgium
Organic and Biological Analytical Chemistry (CART)	University of Liege	Belgium
Toxicology Lab	CHU-ULg	Belgium
Laboratory for Food, Medicines and Consumer Safety	Institute for Public Health (WIV-ISP)	Belgium
Department of Pharmaceutical Sciences	University of Antwerpen	Belgium
Centre for Environmental Sciences	Hasselt University	Belgium
AMGC	Vrije Universiteit Brussel	Belgium
Centre of Excellence in Mycotoxicology and Public Health	Ghent University	Belgium
Laboratory of Industrial and Environmental Toxicology	Cliniques Univresitaires Saint-Luc	Belgium
Organic Contaminants and Additives	Sciensano	Belgium
Toxicological Center	University of Antwerp	Belgium
Human Biomonitoring and Control of Industrial Products Laboratory	State General Laboratory, Ministry of Health, Republic of Cyprus	Cyprus
Water and Health Laboratory	Cyprus International Institute for Environmental and Public Health, Cyprus University of Technology	Cyprus
Trace Analytical Laboratory	Research Centre for Toxic Compounds in the Environment (RECETOX)	Czech Republic
Research Center for Advanced Analytical Chemistry	University of Copenhagen, Faculty of Science, Department of Plant and Environmental Sciences	Denmark
Aarhus University	Aarhus University	Denmark
Chemical Laboratory at Dep. of Growth and Reproduction	Rigshospitalet, Region Hovedstaden (RegionH)	Denmark
Environmental Medicine Laboratory, Department of Public Health	University of Southern Denmark	Denmark
Work Environment Laboratories	Finnish Institute of Occupational Health	Finland
Environmental health / Chemical risk team	National institute for health and welfare (THL) / Department of Health Security	Finland

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 6

Laboratory/Group	Centre	Country
LABERCA	INRA, Oniris	France
INRA Toxalim	INRA	France
Department Toxicology and Biomonitoring	INRS	France
UT2A	ADERA	France
TOXILABO	TOXILABO	France
LERES	French school of public health - EHESP	France
Health-Endocrine Disruptors-Exposome (HEDEX) CIC 1402	Inserm	France
ABF Analytisch-Biologisches Labor	ABF GmbH	Germany
Institute for Prevention and Occupational Medicine of the German Social Accident Insurance (IPA)	Ruhr-Universität Bochum	Germany
Institute of Biomonitoring	Currenta GmbH&Co.OHG, SEL-SER-GS	Germany
Medizinisches Labor Bremen	Medizinisches Labor Bremen	Germany
Analytical-toxicological laboratory	Institute for Occupational and Social Medicine	Germany
HBM Laboratory	BASF SE - Corporate Health Management	Germany
Eurofins GfA Lab Service GmbH	Eurofins GfA Lab Service GmbH	Germany
Laboratory for Toxicology and Immunology	Institute for Occupational and Maritime Medicine (ZfAM), University Medical Centre Hamburg-Eppendorf (UKE)	Germany
Institute and Clinic for Occupational, Social and Environmental Medicine	University Hospital LMU Munich	Germany
Institute of Food Chemistry	Westfälische Wilhelms-Universität Münster	Germany
Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) - Analytical Department	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	Germany
Dublin Public Analysts Laboratory	HSE	Ireland
Department of Environment and Health, PAHs and PFAS	Istituto Superiore di Sanità	Italy
Dept Environment and Health	Istituto Superiore di Sanità	Italy
Cardiometabolic Risk Unit	Institute of Clinical Physiology CNR	Italy
Laboratory of Environmental and Industrial Toxicology	University of Milan	Italy
Unit of Occupational Health and Industrial Hygiene	University of Brescia - ASST Spedali Civili di Brescia	Italy
Human Exposure to Environmental Contaminants Unit	Istituto Superiore di Sanità	Italy
Laboratory of Toxicology	Occupational Medicine Perugia University-Hospital	Italy
Institute of Sciences of Food Production	National Research Council (CNR)	Italy
Laboratory of Hygiene and Occupational Diseases	RSU Institute of Occupational and Environmental Health	Latvia
Faculty of Chemistry, laboratory of analytical chemistry	University of Latvia	Latvia
Environmental Exposure and Epidemiology	Norwegian Institute of Public Health	Norway
Laboratory of the Department of Toxicology	Medical University of Gdańsk, Faculty of Pharmacy	Poland
Metal Analysis Laboratory	Nofer Institute of Occupational Medicine	Poland
Institute for Bioengineering and Biosciences	Instituto Superior Técnico, Universidade de Lisboa	Portugal
Mass Spectrometry Laboratory	Centro de Química Estrutural, Instituto Superior Técnico	Portugal
Food and Nutrition Department	Instituto Nacional de Saúde Dr. Ricardo Jorge, INSA. National Institute of Health	Portugal

D 9.6 - Database of candidate laboratories for the 2 nd prioritization round of substances	Security: Public
WP9 - Laboratory analysis and quality assurance	Version: 1.2
Authors: Octavio Pérez, Marta Esteban, Silvia Gómez and Argelia Castaño	Page: 7

Laboratory/Group	Centre	Country
Laboratory of Reference Materials	Instituto Nacional de Saúde Dr. Ricardo Jorge, INSA. National Institute of Health	Portugal
Strutural Analysis Laboratory	Pharmacy Faculty of Lisbon	Portugal
Laboratory of Bromatology and Farmacognosy	Faculty of Pharmacy University of Coimbra	Portugal
Grupo ProNutri, Cintesis-NMS	NOVA Medical School Faculdade de Ciências Médicas da Universidade Nova de Lisboa	Portugal
Laboratório de Toxicologia Ambiental e Ocupacional	Instituto Nacional de Saúde Doutor Ricardo Jorge - Lisboa	Portugal
Department of metallomics	Slovak Medical University	Slovakia
Department of chemical analysis	Regional Authority of Public Health	Slovakia
Laboratory of Separation Methods	Institute of Chemistry, Faculty of Natural Sciences	Slovakia
Department of Toxic Organic Pollutants	Slovenská Zdravotnícka Univerzita v Bratislave	Slovakia
Laboratory of Multidimensional Gas Chromatography	Faculty of Chemical and Food Technology, STUBA	Slovakia
Department of Environmental Sciences	Jozef Stefan Institute	Slovenia
Center for Chemical Analysis of Food, Water and other Environmental Samples	National Laboratory of Health, Environment and Food	Slovenia
Public Health Laboratory of Valencia	Public Health Department	Spain
Laboratory of Toxicology	ULPGC	Spain
Chromatography laboratory - Biomarkers Unit	National Center for Environmental Heath, Instituto de Salud Carlos III,	Spain
Laboratorio de Salud Pública del Gobierno Vasco	Direccion de Salud del Departamento de Salud del Gobierno Vasco	Spain
Department of Legal Medicine and Toxicology Service	School of Medicine	Spain
Redox Biology and Metabolism	Instituto de Investigación Sanitaria del Principado de Asturias (IISPA) - University of Oviedo	Spain
Chemistry Analytical of Contaminants	University of Almeria	Spain
FISABIO-Public Health Laboratories	FISABIO	Spain
Institute of Environmental Assessment and Water Research (IDAEA)	Agencia Estatal Consejo Superior de Investigaciones Científicas	Spain
UCAMA	CSIC	Spain
Instrumental techniques/Dpto Pharmaceutical Technology and Chemistry	University of Navarra/School of Pharmacy and Nutrition	Spain
Occupational and enviromental medicine	Laboratory medicine	Sweden
Metals and Health, Institute of Environmental Medicine	Karolinska Institutet	Sweden
Dept. of Environmental Science and Analytical Chemistry (ACES)	Stockholm University	Sweden
Environmental Chemistry	IVL Swedish Environmental Research Institute	Sweden
Alpine Institute of Chemistry and Toxicology	AICT	Switzerland
Vrije Universiteit Amsterdam	Department Environment & Health	The Netherlands
RIKILT	RIKILT - Wageningen University & Research	The Netherlands
Inorganic Geochemistry	British Geological Survey	UK
Biological Monitoring team	Health & Safety Laboratory	UK