

HORIZON
2020

Integrating Epidemiology and Experimental Biology to Improve Risk Assessment of Exposure to Mixtures of Endocrine Disruptive Compounds

Fact Sheet

Project Information

EDC-MixRisk

Grant agreement ID: 634880

[Project website](#) 

DOI

[10.3030/634880](https://doi.org/10.3030/634880) 

Project closed

EC signature date

7 April 2015

Start date

1 May 2015

End date

30 April 2019

Funded under

SOCIETAL CHALLENGES - Health, demographic change and well-being

Total cost

€ 6 223 330,00

EU contribution

€ 6 223 330,00

Coordinated by

KAROLINSKA INSTITUTET



Sweden

Objective

A large body of evidence supports associations between exposure to anthropogenic chemicals and endocrine disruptive effects, leading to disorders in humans and wildlife. Based on the scientific documentation it is beyond doubt that endocrine disrupting chemicals (EDCs) are of concern and need to be handled according to the

risks they pose, as single chemicals or as mixtures. To develop chemical risk assessment to respond to these concerns, there is an urgent need to improve our understanding of the mechanisms and health effects of EDCs, in particular in mixtures. This will require selection, refinement and development of tools for assessment of EDC mixtures to bring current risk assessment procedures to a level where they can support risk management. This project is designed to promote the use of safe chemicals for the next generation. EDC-MixRisk aims to meet the societal need for improved decision-making regarding human exposure risks to mixtures of EDCs. EDC-MixRisk will determine risks for multiple adverse health outcomes based on molecular mechanisms involved after early life exposure to EDC mixtures. The task is approached through interdisciplinary cooperation between experts in epidemiology, experimental toxicology and molecular biology, and risk assessment. The value of this combined research effort is: i) Identification of EDC mixtures that are associated with multiple adverse health outcomes in three health domains (growth and metabolism, neurodevelopment and sexual development) in epidemiology; ii) Identification of molecular mechanisms and pathways underlying the associations between exposure and adverse health outcomes by the use and development of state-of-the-art experimental models and iii) Development of a transparent and systematic framework in risk assessment for integrating epidemiological and experimental research to facilitate the assessment of risk and societal impact, thus promoting better risk management for EDCs and their mixtures.

Fields of science (EuroSciVoc)

[medical and health sciences](#) > [health sciences](#) > [public health](#) > **[epidemiology](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[obstetrics](#)**

[social sciences](#) > [sociology](#) > [governance](#) > **[crisis management](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[endocrinology](#)**

[medical and health sciences](#) > [basic medicine](#) > **[toxicology](#)**



Keywords

[Endocrine Disruptive Chemicals](#)

[EDC](#)

[Mixtures](#)

[Epidemiology](#)

[3R Model Systems](#)

[Growth and Metabolism](#)

[Neuronal Development](#)

[Sexual Development](#)

[Risk Assessment](#)

[Societal Impact](#)

Programme(s)

[H2020-EU.3.1. - SOCIETAL CHALLENGES - Health, demographic change and well-being](#)

MAIN PROGRAMME

[H2020-EU.3.1.1. - Understanding health, wellbeing and disease](#)

Topic(s)

[PHC-01-2014 - Understanding health, ageing and disease: determinants, risk factors and pathways](#)

Call for proposal

[H2020-PHC-2014-2015](#)

[See other projects for this call](#)

Sub call

H2020-PHC-2014-two-stage

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



KAROLINSKA INSTITUTET

Net EU contribution

€ 1 089 181,25

Total cost

€ 1 089 181,25

Address

Nobels Vag 5

17177 Stockholm

 **Sweden** 

Region

Östra Sverige > Stockholm > Stockholms län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (13)



KARLSTADS UNIVERSITET

 Sweden

Net EU contribution

€ 1 194 481,25

Address

UNIVERSITETSGATAN 2

651 88 Karlstad 

Region

Norra Sverige > Norra Mellansverige > Värmlands län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 1 194 481,25



GOETEBORGS UNIVERSITET

 Sweden

Net EU contribution

€ 316 750,00

Address

VASAPARKEN

405 30 Goeteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 316 750,00



LUNDS UNIVERSITET

 Sweden

Net EU contribution

€ 585 000,00

Address

Paradisgatan 5c

22100 Lund 

Region

Södra Sverige > Sydsverige > Skåne län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 585 000,00



STOCKHOLMS UNIVERSITET

 Sweden

Net EU contribution

€ 450 061,25

Address

UNIVERSITETSVAGEN 10
10691 Stockholm 

Region
Östra Sverige > Stockholm > Stockholms län

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 450 061,25



UPPSALA UNIVERSITET

 Sweden
Net EU contribution
€ 418 532,50

Address
VON KRAEMERS ALLE 4
751 05 Uppsala 
Region
Östra Sverige > Östra Mellansverige > Uppsala län

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost
€ 418 532,50



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France
Net EU contribution

€ 320 197,50

Address

RUE MICHEL ANGE 3
75794 Paris 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 428 436,25

 **THIRD-PARTY** 

MUSEUM NATIONAL D'HISTOIRE NATURELLE

 France

Net EU contribution

€ 108 238,75

Address

RUE CUVIER 57
75005 Paris 

Region

Ile-de-France > Ile-de-France > Paris

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 108 238,75



UNIVERSITAET LEIPZIG

 Germany

Net EU contribution

€ 62 500,00

Address

RITTERSTRASSE 26

04109 Leipzig 

Region

Sachsen > Leipzig > Leipzig

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 62 500,00



ETHNIKO KAI KAPODISTIRIAKO PANEPISTIMIO ATHINON

 Greece

Net EU contribution

€ 321 250,00

Address

6 CHRISTOU LADA STR

10561 Athina 

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 321 250,00



TERVEYDEN JA HYVINVOINNIN LAITOS

 Finland

Net EU contribution

€ 350 537,50

Address

MANNERHEIMINTIE 166

00271 Helsinki 

Region

Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 350 537,50



ISTITUTO EUROPEO DI ONCOLOGIA SRL

 Italy

Net EU contribution

€ 489 000,00

Address

VIA FILODRAMMATICI 10

20121 Milano 

Region

Nord-Ovest > Lombardia > Milano

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 489 000,00



ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI

 United States

Net EU contribution

€ 265 570,00

Address

ONE GUSTAVE L LEVY PLACE BOX 1075
10029 6574 New York 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 265 570,00



OREBRO UNIVERSITY

 Sweden

Net EU contribution

€ 252 030,00

Address

FAKULTETSGATAN 1
70182 Orebro 

Region

Östra Sverige > Östra Mellansverige > Örebro län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 252 030,00

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European Union, 2025

