Supporting Member States in implementation

Publications from Ostrava to Budapest
European Centre for Environment and Health  
- Publications from Ostrava to Budapest -

Full list of publications soon to be found on the Conference webpage:  
https://www.who.int/europe/event/seventh-ministerial-conference-on-environment-and-health
European Environment and Health Process Newsletter

Multisectoral Partnerships for Environment and Health Program
European Environment and Health Process Newsletter

Background documents for the Seventh Ministerial Conference on Environment and Health

WHO European Centre for Environment and Health Programs
Driving transformative action: from Ostrava to Budapest and beyond with National Portfolios of Actions on Environment and Health: policy brief
A healthy environment in the WHO European Region
Why it matters and what steps we can take to improve health

https://apps.who.int/iris/handle/10665/368160
Zero regrets: scaling up action on climate change mitigation and adaptation for health in the WHO European Region (second edition)

https://apps.who.int/iris/handle/10665/368161

Также доступно на русском языке
Progress in the WHO European Region towards the SDGs in the context of the Ostrava Declaration on Environment and Health
Mid-way to 2030

https://apps.who.int/iris/handle/10665/368166
Delivering effective environment and health actions
A compendium of concepts, approaches and tools for the WHO European Region

https://apps.who.int/iris/handle/10665/368167
Environment and health and COVID-19

WHO European Centre for Environment and Health Programs
How coronavirus disease has changed the environment and health landscape
A policy brief

https://apps.who.int/iris/handle/10665/368164
How coronavirus disease has changed the environment and health landscape
A rapid review of reviews

https://apps.who.int/iris/handle/10665/368165
Wastewater surveillance of SARS-CoV-2: questions and answers (Q&A)

https://apps.who.int/iris/handle/10665/353058
Moving around during the COVID-19 outbreak

https://www.who.int/europe/publications/m/item/moving-around-during-the-covid-19-outbreak
Supporting healthy urban transport and mobility in the context of COVID-19

https://apps.who.int/iris/handle/10665/336264
Available in English, French, German, and Russian
Environment and health policies at local level

Multisectoral Partnerships for Environment and Health Program
Promoting environment and health policies at local level: a policy brief for decision-makers and practitioners

https://apps.who.int/iris/handle/10665/369596
Bonn School on Environment and Health

WHO European Centre for Environment and Health Programs
Bonn School on Environment and Health

Course Book: Air Quality and Health

Course Book: Climate change and Health

Course Book: Contaminated sites, their redevelopment and health

Course Book: Health and Environmental Research Agenda

Environmental health inequalities

Environment and Health Impact Assessment Program
Environmental inequalities in national reporting on the 2030 Agenda for Sustainable Development.
An analysis of voluntary national reviews in the WHO European Region

https://apps.who.int/iris/handle/10665/368168
Environmental health inequalities. Fact sheet series:

Inequalities in
• overcrowding
• lack of a bath or shower in the dwelling
• dampness in the home
• access to at least basic sanitation services
• inability to keep the home adequately warm
• lack of a flush toilet in the dwelling
• access to at least basic drinking-water services

Forthcoming fact sheets:
• Noise annoyance
• Household utility costs and energy poverty

Fact sheet series is also available in Russian.
Environmental health inequalities in Europe
Second assessment report

https://apps.who.int/iris/handle/10665/325176
Environmental health inequalities resource package.
A tool for understanding and reducing inequalities in environmental risk

English: https://apps.who.int/iris/handle/10665/346223
Russian: https://apps.who.int/iris/handle/10665/346224
THE PEP
Transport, Health and Environment
Pan-European Programme

WHO and UNECE
Vienna Declaration
Building forward better by transforming to new, clean, safe, healthy and inclusive mobility and transport

https://apps.who.int/iris/handle/10665/353806
Available in English, French, German, Russian
THE PEP
Building forward better by transforming to new clean safe healthy and inclusive mobility and transport


Available in English, French, German and Russian
Walking and cycling: latest evidence to support policy-making and practice

https://apps.who.int/iris/handle/10665/354589
Available in English, French, German, Russian
Guidelines for National Eco-driving Initiatives
THE PEP Partnership on Eco-driving

https://unece.org/info/THE-PEP/pub/376486
Recommendations for Green and Healthy Sustainable Transport – “Building Forward Better”

https://unece.org/info/publications/pub/379733
Pan-European Master Plan for Cycling Promotion
5th High-level Meeting on Transport, Health and Environment

https://unece.org/pep/publications/pan-european-master-plan-cycling-promotion-5th-high-level-meeting-transport-health
Road transport facts and figures: how healthy and environmentally friendly is our transport today?

https://unece.org/info/publications/pub/376498
Available in English, French and Russian
Making THE (Transport, Health and Environment) link:
Transport, Health and Environment Pan-European Programme and the Sustainable Development Goals

https://apps.who.int/iris/handle/10665/342213
Health economic assessment tool – HEAT

Multisectoral Partnerships for Environment and Health Program
Health economic assessment tool (HEAT) for walking and for cycling
Methods and user guide on physical activity, air pollution, injuries and carbon impact assessments

https://apps.who.int/iris/handle/10665/344136
Available in English, French, German
Health impact assessment and health in environmental assessments
Implementation of health impact assessment and health in environmental assessment across the WHO European Region

https://apps.who.int/iris/handle/10665/368238
Enabling the implementation of health impact assessment in Portugal

https://apps.who.int/iris/handle/10665/366708
Learning from practice.
Case studies of health in strategic environmental assessment and environmental impact assessment across the WHO European Region

English: https://apps.who.int/iris/handle/10665/353810
Russian: https://apps.who.int/iris/handle/10665/362372
Learning from practice

Executive summary

Case studies of health in strategic environmental assessment and environmental impact assessment across the WHO European Region

Executive summary

https://apps.who.int/iris/handle/10665/351998
Also available in: English, Estonian, French, Georgian, German, Russian
The integration of health into environmental assessments with a special focus on strategic environmental assessment

https://apps.who.int/iris/handle/10665/345654
Urban planning for resilience and health: key messages.
Summary report on protecting environment and health by building urban resilience.

English: https://apps.who.int/iris/handle/10665/355760
Russian: https://apps.who.int/iris/handle/10665/360449
Urban planning, design and management approaches to building resilience – an evidence review. First report on protecting environments and health by building urban resilience.

https://apps.who.int/iris/handle/10665/355761
Urban planning for health – experiences of building resilience in 12 cities.
Second report on protecting environments and health by building urban resilience

https://apps.who.int/iris/handle/10665/355762
Review of indicator frameworks supporting urban planning for resilience and health. Third report on protecting environments and health by building urban resilience

https://apps.who.int/iris/handle/10665/355763
Assessing the value of urban green and blue spaces for health and well-being

https://apps.who.int/iris/handle/10665/367630
Urban green spaces: a brief for action

https://apps.who.int/iris/handle/10665/344116
Also available in: 日本語 and Russian
Nature, biodiversity and health

Environment and Health Impact Assessment Program
Nature, biodiversity and health: an overview of interconnections

https://apps.who.int/iris/handle/10665/341376
Also available in: Romanian, Russian, Spanish and Turkish
A health perspective on the role of the environment in One Health

English: https://apps.who.int/iris/handle/10665/354574
Russian: https://apps.who.int/iris/handle/10665/359007
Risk communication in environment and health

Environment and Health Impact Assessment Program
Effective risk communication for environment and health: a strategic report on recent trends, theories and concepts

https://apps.who.int/iris/handle/10665/349338
Also available in French, German and Russian
Health, circular economy and waste management
Assessing the health impacts of waste management in the context of the circular economy

https://apps.who.int/iris/handle/10665/366667
Economics of the health implications of waste management in the context of a circular economy

https://apps.who.int/iris/handle/10665/365579
Circular economy and health: opportunities and risks

English: https://apps.who.int/iris/handle/10665/342218
Russian: https://apps.who.int/iris/handle/10665/346160
Assessing the health impacts of a circular economy

https://apps.who.int/iris/handle/10665/346114
Contaminated sites and health

Environment and Health Impact Assessment Program
Protecting health through urban redevelopment of contaminated sites: planning brief

English: https://apps.who.int/iris/handle/10665/349922
Also available in Czech, French, Georgian, German, Russian
Urban redevelopment of contaminated sites: a review of scientific evidence and practical knowledge on environmental and health issues

https://apps.who.int/iris/handle/10665/340944
Water, sanitation and hygiene

Programme on Water and Climate
Water, sanitation, hygiene and health: policy brief

https://apps.who.int/iris/handle/10665/359559
Также доступно на русском языке
Protocol on Water and Health and the 2030 Agenda: a practical guide for joint implementation

https://apps.who.int/iris/handle/10665/329547
Also available in French
The Protocol on Water and Health: driving action on water, sanitation, hygiene and health


Также доступно на русском языке
Drinking-water, sanitation and hygiene in the WHO European Region: highlights and progress towards achieving Sustainable Development Goal 6

https://apps.who.int/iris/handle/10665/360428
Также доступно на русском языке
Delivering safe sanitation for all: areas for action to improve the situation in the pan-European region

https://apps.who.int/iris/handle/10665/363512
Также доступно на русском языке
Wastewater surveillance of SARS-CoV-2: questions and answers (Q&A)

https://apps.who.int/iris/handle/10665/353058
Strengthening drinking-water surveillance using risk-based approaches

https://apps.who.int/iris/handle/10665/329396
Также доступно на русском языке
Surveillance and outbreak management of water-related infectious diseases associated with water-supply systems

https://apps.who.int/iris/handle/10665/329403

Также доступно на русском языке
Small-scale water supply and sanitation services

Water and Climate Program
A field guide to improving small drinking-water supplies: water safety planning for rural communities

https://apps.who.int/iris/handle/10665/363510
Также доступно на русском языке
Costing and financing of small-scale water supply and sanitation services

https://apps.who.int/iris/handle/10665/331843

Также доступно на русском языке
Water, sanitation and hygiene in institutional settings
Surveillance of water, sanitation and hygiene in schools: a practical tool

https://apps.who.int/iris/handle/10665/329394
Также доступно на русском языке
Improving health and learning through better water, sanitation and hygiene in schools: an information package for school staff

https://apps.who.int/iris/handle/10665/329531

Также доступно на русском языке
Poster series on WASH in schools for pupils

https://who.canto.global/s/GQQMN?viewIndex=0

Также доступно на русском языке
Also available in French and German
Water, sanitation and hygiene in health-care facilities: a practical tool for situation assessment and improvement planning

https://apps.who.int/iris/handle/10665/363511

Также доступно на русском языке
National situational analysis of water, sanitation and hygiene in health care facilities in Serbia: summary report

https://apps.who.int/iris/handle/10665/354708
Climate change and health

Water and Climate Program
Health and climate action: policy brief

https://apps.who.int/iris handle/10665/345528
Также доступно на русском языке
Zero regrets: scaling up action on climate change mitigation and adaptation for health in the WHO European Region (second edition)

https://apps.who.int/iris/handle/10665/368161
Также доступно на русском языке
Heat and health in the WHO European Region: updated evidence for effective prevention

https://apps.who.int/iris/handle/10665/339462
Также доступно на русском языке
Flooding: managing health risks in the WHO European Region

https://apps.who.int/iris/handle/10665/329518

Также доступно на русском языке
Auch in Deutsch verfügbar
Air Quality Guidelines

Living and Working Environment programme
WHO global quality guidelines
Particulate matter, ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide

https://apps.who.int/iris/handle/10665/345329
WHO global air quality guidelines
Particulate matter, ozone, nitrogen dioxide, sulfur dioxide and carbon monoxide
Executive summary

Also available in
Español  čeština  Italiano  Polski  Português  български  Српски  Română

https://apps.who.int/iris/handle/10665/345334
Air Quality tools

Living and Working Environment programme
AirQ+
Software tool for health risk assessment of air pollution

CLIMAQ-H
Climate change Mitigation, Air Quality and Health

https://apps.who.int/iris/handle/10665/370318
Green and blue spaces and mental health: new evidence and perspectives for action

English: https://apps.who.int/iris/handle/10665/342931
Russian: https://apps.who.int/iris/handle/10665/351685
Air quality

Living and Working Environment programme
Risk communication of ambient air pollution in the WHO European Region: Review of air quality indexes and lessons learned

English: https://apps.who.int/iris/handle/10665/365787
Russian: https://apps.who.int/iris/handle/10665/365968
Human health effects of polycyclic aromatic hydrocarbons as ambient air pollutants

https://apps.who.int/iris/handle/10665/350636
Noise

Living and Working Environment programme
Environmental noise guidelines for the European Region

https://apps.who.int/iris/handle/10665/279952
Environmental noise guidelines for the European Region. Executive summary

English: https://apps.who.int/iris/handle/10665/343936
French https://apps.who.int/iris/handle/10665/343937
German https://apps.who.int/iris/handle/10665/343938
Russian https://apps.who.int/iris/handle/10665/343964
Uptake and impact of the WHO Environmental noise guidelines for the European Region. Experiences from Member States

https://apps.who.int/iris/handle/10665/369233
Chemical safety: human biomonitoring

Living and Working Environment programme
Human biomonitoring. Basics: educational course

https://apps.who.int/iris/handle/10665/368163
Human biomonitoring: assessment of exposure to chemicals and their health risks. Summary for decision makers

Human biomonitoring (HBM) directly measures the concentration of chemical pollutants or their metabolites in human fluids and tissues. It is a reliable instrument for the assessment of human exposure to chemicals from different sources, by different pathways and during certain periods of life.

What is essential to know about chemicals?
- Every day throughout our entire lives, we are exposed to many chemicals, including hazardous chemicals in air, water, soil, food and consumer products.
- Some chemicals can cause serious negative health effects, such as reproductive disorders, cancers, neurological, respiratory, cardiovascular and immune defects; and diabetes and other metabolic problems.
- The societal costs of exposure to hazardous chemicals are high – exposure to lead alone causes 1.6 million deaths globally every year.
- Chemical production will continue growing and is projected to double by 2030.
- New chemicals enter the market almost every day.
- The need to protect human health from the negative impacts of chemicals is growing exponentially.

What important questions can HBM help to answer?
- Is the level of population exposure of concern for health?
- What population groups are most exposed?
- What risks do the chemicals pose to human health?
- What factors influence exposure (lifestyle, age, other characteristics)?
- Should short-term or long-term risk-reduction measures be taken (restriction or prohibition of chemicals, remediation of contaminated sites, etc.) and if so, which ones?
- What chemicals (conventional and new) are of public health concern and from which sources are they taken up?

Why is this information critical?
- It helps decision-makers take targeted actions to protect environments and people, especially vulnerable groups such as children, pregnant women and older people.
- It identifies people with critically high exposures, enabling treatment to prevent irreversible health effects and deaths.
- It informs the development of policies on chemicals management to ensure the health of current and future generations.
- It enables evaluation of the success or failure of voluntary and obligatory regulations, and assessment of the need for additional measures.
- It creates transparency in communication with society and increases the credibility of governments.
- It contributes to international efforts to create green, toxic-free environments.

To what extent are chemical pollutants taken up by the human body, and what are their impacts on health?

To address these issues, carefully planned and conducted national HBM efforts are needed to identify critical exposures, derive effective measures, and ensure health and well-being. HBM demonstrates that all European residents are now exposed to hazardous chemicals. Among other substances, alarming concentrations of hazardous chemicals can impact the health of the next generation. The following recommendations have been found in countries in European countries and the United States of America:

English: https://apps.who.int/iris/handle/10665/368106
Russian: https://apps.who.int/iris/handle/10665/368107
Human biomonitoring programmes: importance for protecting human health from negative impacts of chemicals. Technical summary

English: https://apps.who.int/iris/handle/10665/368102
Russian: https://apps.who.int/iris/handle/10665/368103
Chemical safety: poison centres

Living and Working Environment programme
At least one poison centre in each country: summary for policy makers

English: https://apps.who.int/iris/handle/10665/368108
Russian: https://apps.who.int/iris/handle/10665/368109
Poison centres as essential unit for poisoning prevention and sound chemicals management. Technical summary

English: https://apps.who.int/iris/handle/10665/368104
Russian: https://apps.who.int/iris/handle/10665/368105
Chemical safety: mercury

Living and Working Environment programme
Mercury and human health: educational course

English: https://apps.who.int/iris/handle/10665/345443
Russian: https://apps.who.int/iris/handle/10665/351440
Assessment of prenatal exposure to mercury: standard operating procedures

English: https://apps.who.int/iris/handle/10665/332161
French: https://apps.who.int/iris/handle/10665/331399
Russian: https://apps.who.int/iris/handle/10665/337976
A tool for developing national protocols

English: https://apps.who.int/iris/handle/10665/334181
French: https://apps.who.int/iris/handle/10665/336394
Russian: https://apps.who.int/iris/handle/10665/336342
Chemical safety: 
assessment of risks for children’s health 
from chemical pollution of indoor air 

Living and Working Environment programme
Measures to reduce risks for children’s health from combined exposure to multiple chemicals in indoor air in public settings for children with a focus on schools, kindergartens and day-care centres

English:  https://apps.who.int/iris/handle/10665/354225
Russian:  https://apps.who.int/iris/handle/10665/356973
A screening tool for assessment of health risks from combined exposure to multiple chemicals in indoor air in public settings for children

English: https://apps.who.int/iris/handle/10665/341708
Methods for sampling and analysis of chemical pollutants in indoor air

English: https://apps.who.int/iris/handle/10665/334389
Russian: https://apps.who.int/iris/handle/10665/350528
Chemical pollution of indoor air and its risk for children’s health: educational course

English: https://apps.who.int/iris/handle/10665/341984
Russian: https://apps.who.int/iris/handle/10665/350526
Indoor Air Quality (IAQ) RiskCalculator: assessing risks for children’s health from chemical indoor air pollution
