

European Region

Regional Initiatives for Early Warning Systems including Heat Risk

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IN THE WHO EUROPEAN REGION

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Average percentage increase in heat-related deaths was 90% Comparing the 2 C and 3.7 C scenarios, the projections showed an increase of between 9,000 and 15,000 deaths respectively

When comparing data from last two decaderelated deaths among adults aged 65 and over were 1,718 deaths

2023: In Central Asia

in 2020 born 70 years in 1980 old in 2050 70 years born old in 2020 in 1950 **IPCC Sixth Assessment Report**

born

2011–2020 was around 1.1°C warmer-than 1850–1900

1980

₿°C Global temperature change above 1850-1900 levels

1.5 2 2.5

2020

Future emissions scenarios:

very high

intermediate

high

low

very low

European temperature increases more than 2x the global average and is projected to increase by +2.5°C to +7°C by 2100

1940

0 0.5





future experiences depend on how we address climate change

2100

70 years

old in 2090

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2060



Climate change is projected to significantly increase population exposure to heat-related morbidity and mortality. (HIGH CONFIDENCE)



Heat is a growing health risk due to burgeoning urbanization. (VERY HIGH CONFIDENCE)



Strong geographical differences in heat-related mortality are projected to emerge later this century. (VERY HIGH CONFIDENCE)

HEAT IS AN ALL-OF-SOCIETY PROBLEM



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Heat is an all-of-society problem

PEOPLE

Heat exacerbates risks of: Social inequity,

Illness and death

Requiring action from: Public health:

labour: social sectors; physiology; etc.

HARNESSING CLIMATE PREDICTION AND WARNINGS

Public awareness: individuals do not perceive themselves at risk and do not see the need for warnings

Impact-based forecasts and warnings should be tied to emergency and health services

Heat Health Action Plans should integrate preparedness and response across government levels and sectors

Climate policies should trigger heat-health action



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Housing Policy

'I Don't Want to Go Home.' Europe's Housing Is Not Heat-Ready

Millions of people on the world's fastest-warming continent live in houses and apartments ill-equipped for rising temperatures.

Energy and Economic Policy

Paris 2024: The touchy subject of air conditioning in the Olympic Village

The organizers have opted for rooms without air conditioning for environmental purposes, but the increasing number of heat waves in France has led to fears of recovery problems for the athletes.

Labor Policy

Spain to ban some outdoor working during extreme heat conditions

Reuters May 10, 2023 3:42 PM GMT+2 · Updated 6 months ago







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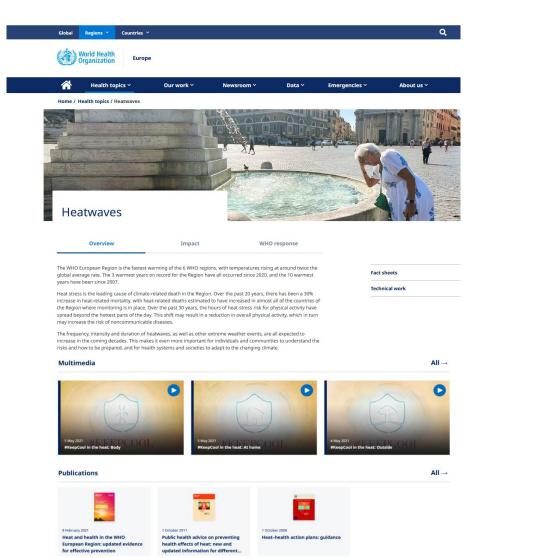


Mandate in WHO/EUROPE

PUBLIC HEALTH EMERGENCY



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Eme	rgencies				
	Overview	Situations	Our work in emergencies		Action plan
Home / S	ituations / Climate crisis:	extreme weather			
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CLIMATE & HEALTH IN THE BUDAPEST DECLARATION



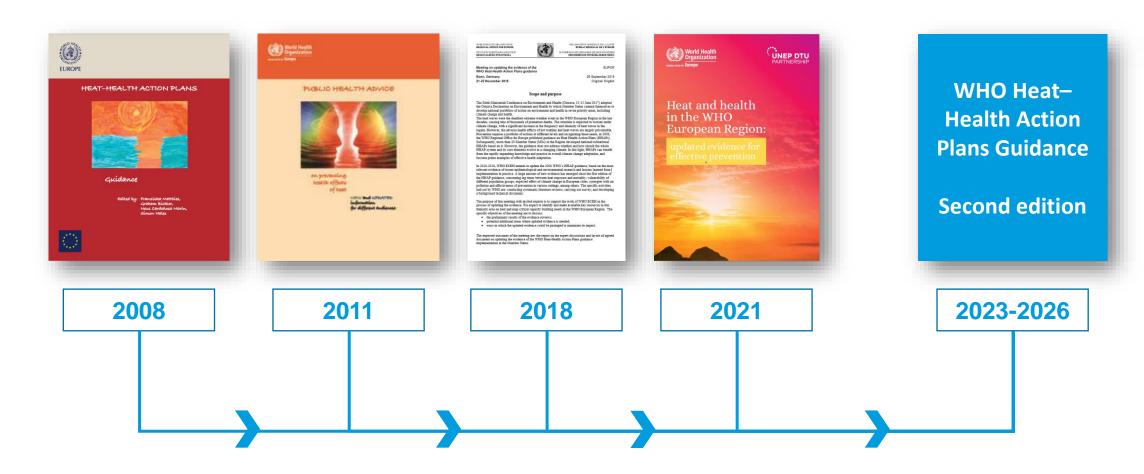


- 1. Making health systems and facilities climate-resilient, environmentally sustainable, and decarbonized
- 2. Establishing **health-centred targets** in national planning, in particular in the National Determined Contributions
- 3. Developing, updating, and implementing Health National Adaptation Plans
- 4. Developing and updating heat-health action plans
- 5. Establishing requirements to ensure the climate resilience of **water and sanitation** services
- 6. Strengthening **natural disaster** risk reduction policies and climateinformed health **early-warning and surveillance** systems
- 7. Strengthening the climate-literacy of health professionals

HHAP PROCESS IN WHO/EUROPE



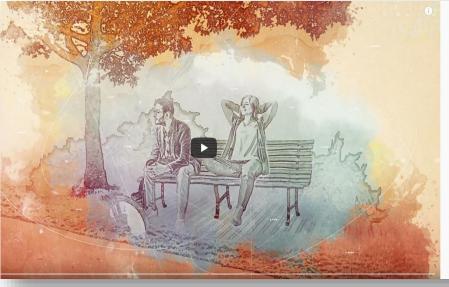
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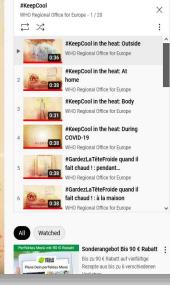


COMMUNICATION



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Heat and health in the WHO European Region:

EVIDENCE REVIEW

JNEP DTU

updated evidence for effective prevention

- Most comprehensive evidence review on HHAPs to date
- Over 600 scientific sources, both conventional peer-reviewed and governmental
- Expert group-steered, fully peer-reviewed
- Comprehensive WHO/Europe national and local HHAP country survey
- Organized around the 8 core elements of the WHO 2008 HHAP guidance



Malta

Italy

Austria

Belgium

Croatia

France

Germany

Hungary

Lithuania

Luxembourg

in the WHO European Region: Status and policy implications. *Environmental Research, 214*, 113709. https://doi.org/10.1016/j.envres.2022.113709

Core element fully

Countries with HHAP

Netherlands

Implementations of core elements

North Macedonia		implemented	implemented
North Macedonia	Agreement on a lead body	65%	35%
Portugal	Accurate and timely alert	94%	6%
Spain	system		
Opani	Heat-related health	76%	24%
Sweden	information plan Strategies to reduce heat	47%	53%
Switzerland	exposure	47 %0	55%0
	Particular care for	65%	35%
Tajikistan	vulnerable groups	\bigcirc	
Turkmenistan	Preparedness of health and	41%	35%
	social systems	\times	
United Kingdom	Long-term urban planning	35%	35%
	Real-time surveillance, M&E	24%	29%

HHAP Core Element

EVIDENCE REVIEW



Core element partially

AIMS OF THE UPDATED SECOND EDITION



- Clarify structure of stakeholders involved in HHAP governance, including actors involved in overall adaptation
- Link communication on climate change and heat response
- Focus more on interventions to reduce heat exposure considering long-term perspectives and planning of care for vulnerable groups
- Strengthen preparedness of social and care systems for heat and to become fully integrated into overall health systems resilience work
- Emphasize modifications of the built environment to become a priority for intersectoral action for health

UPDATED CORE ELEMENTS



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GOVERNANCE

ESTABLISH A GOVERNANCE STRUCTURE FOR HEAT-HEALTH ACTION

HEAT-HEALTH WARNING SYSTEM

IMPLEMENT AN ACCURATE AND TIMELY WARNING SYSTEM FOR ACTION

VULNERABLE POPULATIONS

ENSURE CARE FOR THOSE AT RISK

COMMUNICATIONS

DEVELOP A HEAT-HEALTH COMMUNICATIONS PLAN

HEALTH SYSTEM RESILIENCE

STRENGTHEN HEALTH SYSTEM PREPAREDNESS AND RESPONSE

REDUCTION IN HEAT EXPOSURE PROTECT PEOPLE FROM HEAT.

SURVEILLANCE

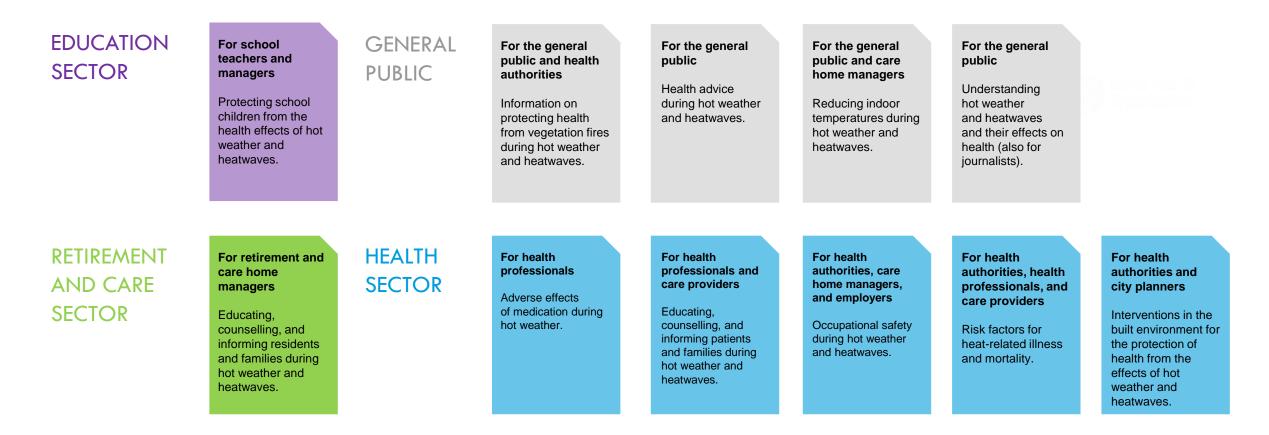
ESTABLISH TIMELY SURVEILLANCE AND DETECTION FOR HEAT-HEALTH ACTION

MONITORING, EVALUATION AND LEARNING

ESTABLISH A PROCESS FOR REVIEW AND IMPROVEMENT

UPDATED INFORMATION SHEETS







• More information at: <u>Climate change EURO (who.int)</u>

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