



HEAT HEALTH DIALOGUES

# HEAT IN THE WORKPLACE





GLOBAL HEAT HEALTH  
INFORMATION NETWORK

# Global Heat Health Information Network

Joy Shumake-Guillemot, WHO/WMO Joint Climate and Health Office,  
Geneva, Switzerland

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Washington DC

July 2020



# GHHIN - A GLOBAL KNOWLEDGE AND ACTION NETWORK - WHY?

**Urgency**

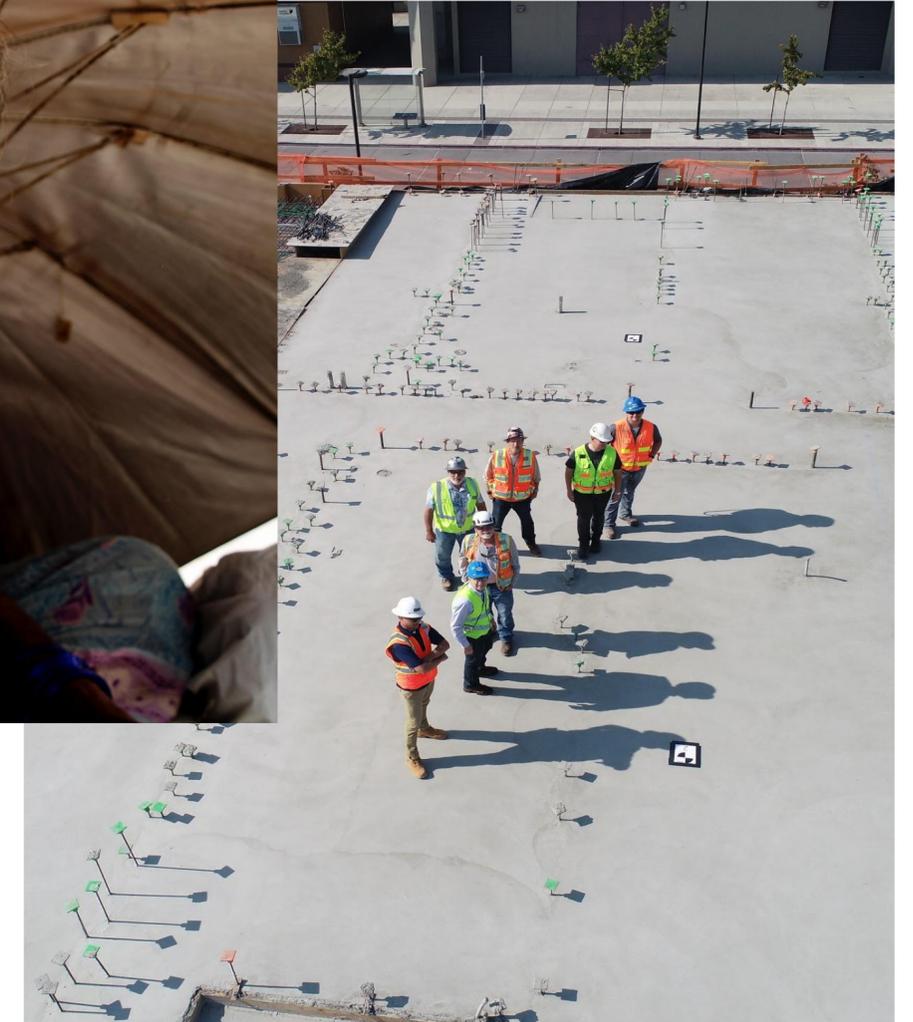
**Awareness**

**Connectivity**

**Information**

**Capacity**

**Monitoring**



**We can prevent a grand majority of heat impacts,  
but we are missing opportunities to  
work together more, better, and faster.**

## WHO WE ARE

The Network is an independent, voluntary, member-driven forum of scientists, practitioners, and policymakers focused on enhancing existing efforts to address heat health risk.



Knowledge  
Broker



Go-to  
resource hub



Member-driven  
forum



Not a funding  
or grant-making  
mechanism



# WHO WE ARE

Government agencies / academic institutions / international organizations / NGOs / private sector and individuals in relevant fields

## Diverse expertise and perspectives

Our members self-select, enhancing inclusion of a broad range of global organizations and professionals

## Compatible motivation

The mission and values of our members are expected to be compatible with our vision.

## Scientific integrity and shared principles

Members will be encouraged to uphold scientific integrity and principles of good public health practice.

### Founding members



## OUR FOCUS



- 1. Awareness**  
Urgently improving awareness of the disaster that increasing extreme heat poses to human health, wellbeing, and productivity worldwide.
- 2. Partnership**  
Catalyzing and sustaining interdisciplinary partnerships and co-learning between research and practitioners across relevant government, academic, private sector and civil society bodies.
- 3. Synthesis**  
Synthesizing and advancing science and technology available for decision making and risk reduction across sectors and time scales.
- 4. Expertise**  
Improving access to expert resources and opportunities for learning, exchange, and engagement.
- 5. Leadership**  
Identifying and promoting action to address critical gaps in research, knowledge and action.

## KEY ACTIVITIES

We help improve the **knowledge** and **capacity** of governments, organizations, and professionals to protect populations from the avoidable health risks of extreme ambient heat.

By bringing together the work and progress of its members we help create a more holistic picture of the needs, science, and strengths across the network.



**Country profiles**



**Online platform**



**Global synthesis products**



**Global Forum Conferences/ Calls**



**Learning events & exchange**



**Technical working groups**

➔ **Moving toward regional communities, new partnerships, and affiliated research and technical products**

# 2020 IN ACTION



**GLOBAL HEAT HEALTH INFORMATION NETWORK**

## SOUTH ASIA HEAT HEALTH SUMMIT

Pune, India / 14 February 2020

The South Asia Heat Health Summit is co-organized by the Global Heat Health Information Network, the Indian Institute of Tropical Meteorology, IRADe, IDRC and others to build capacity, promote sharing, and encourage evidence-based policy and actions to improve the management of extreme heat risks. The regional summit will bring together interdisciplinary experts and practitioners to share experience and concerns, learn from each other, identify new solutions and opportunities, and raise awareness of the urgent need to protect ourselves and communities from extreme heat in a warming world.

**Goals**

The Summit aims to:

- strengthen the GHHN network in the South Asia region by building connections and conversation between key actors to share what they're working on, what's working, and where attention is needed;
- take stock of progress and good practices to address extreme heat risks and identify emerging issues;
- build awareness of the urgent needs, challenges and opportunities surrounding heat health in the region;
- identify concrete opportunities for formal projects and collaborations to reduce the impact of extreme heat in South Asia.

**Logistics and Pre-registration**

The 1 day event will take place on 14 February 2020 at the ITM campus, following and in conjunction with the International Conference on Climate Services 6 (11-13 February 2020). Technical sessions and relevant posters on Heat Management and Climate and Health presented during ICCS-6 will be reflected as part of the same dialogue. The summit builds on outcomes from the 1st Climate Services for Health Forum (Colombo, 2016), which called for a regional community of practice on heat, and the 1<sup>st</sup> Global Heat Health Forum (Hong Kong, 2018), which outlined global priorities for heat action.

**Registration:** <https://snelliuspijshis.org/southasiasummit2020>

**Cost:** free

**Location:** Indian Institute of Tropical Meteorology (ITM)  
Dr. Homi Bhabha Road, Pashan, Pune - 411 008

**Contact:** [info@ghhin.org](mailto:info@ghhin.org)

**South Asia Heat Health Summit**  
February 2020



**Lorentz center** **Hot but Habitable**  
Innovating to Adapt to Heat Waves of the Future

Workshop @Snellius 9 - 13 March 2020, Leiden, the Netherlands

**Scientific Organizers**

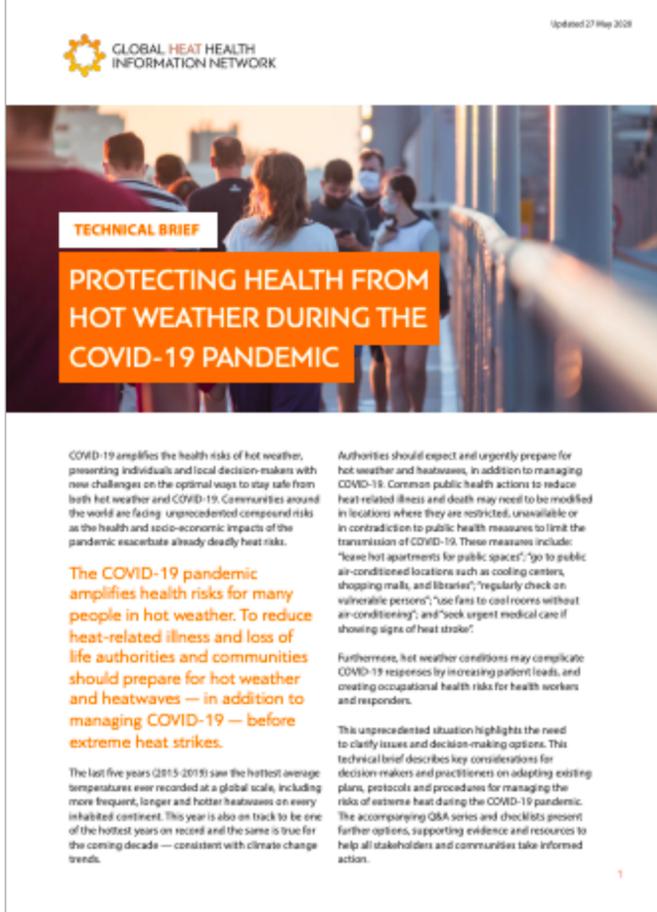
- Hein Daanen, VU Amsterdam
- Peter van den Hazel, VGGM
- Hunter Jones, NOAA
- Joy Shumake, Guillemot, WMO

**Topics**

- Extreme Heat Events
- Health Risks of Higher Temperatures
- Labor Productivity in Rising Temperatures
- Future Challenges and Sustainable Solutions
- New Global Network
- Digital Systems- Based Solutions

[www.lorentzcenter.nl](http://www.lorentzcenter.nl)

**Hot but Habitable, Lorentz Center**  
March 2020



**GLOBAL HEAT HEALTH INFORMATION NETWORK**

Updated 27 May 2020

**TECHNICAL BRIEF**

## PROTECTING HEALTH FROM HOT WEATHER DURING THE COVID-19 PANDEMIC

COVID-19 amplifies the health risks of hot weather, presenting individuals and local decision-makers with new challenges on the optimal ways to stay safe from both hot weather and COVID-19. Communities around the world are facing unprecedented compound risks as the health and socio-economic impacts of the pandemic exacerbate already deadly heat risks.

**The COVID-19 pandemic amplifies health risks for many people in hot weather. To reduce heat-related illness and loss of life authorities and communities should prepare for hot weather and heatwaves — in addition to managing COVID-19 — before extreme heat strikes.**

The last five years (2015-2019) saw the hottest average temperatures ever recorded at a global scale, including more frequent, longer and hotter heatwaves on every inhabited continent. This year is also on track to be one of the hottest years on record and the same is true for the coming decade — consistent with climate change trends.

Authorities should expect and urgently prepare for hot weather and heatwaves, in addition to managing COVID-19. Common public health actions to reduce heat-related illness and death may need to be modified in locations where they are restricted, unavailable or in contradiction to public health measures to limit the transmission of COVID-19. These measures include: "leave hot apartments for public spaces"; "go to public air-conditioned locations such as cooling centers, shopping malls, and libraries"; "regularly check on vulnerable persons"; "use fans to cool rooms without air-conditioning"; and "seek urgent medical care if showing signs of heat stroke".

Furthermore, hot weather conditions may complicate COVID-19 responses by increasing patient loads, and creating occupational health risks for health workers and responders.

This unprecedented situation highlights the need to clarify issues and decision-making options. This technical brief describes key considerations for decision makers and practitioners on adapting existing plans, protocols and procedures for managing the risks of extreme heat during the COVID-19 pandemic. The accompanying Q&A series and checklists present further options, supporting evidence and resources to help all stakeholders and communities take informed action.

**Heat and COVID-19 Information Series**  
May 2020



2 June 2020  
**Setting operational thresholds for Heat Early Warning Systems**

Ross Thompson, Public Health England  
Carolina Cerrudo, NMS Argentina



16 June 2020  
**Innovating in urban planning and governance for heat health**

Ladd Keith, University of Arizona  
Sara Meerow, Arizona State University  
David Hondula, Arizona State University



30 June 2020  
**Economic valuation of heat-health impacts and interventions**

Shubhayu Saha, US Centers for Disease Control and Prevention  
Vijay Limaye, Natural Resources Defense Council



21 July 2020  
**Developing an effective Heat Health Action Plan (HHAP) for your city**

Kristie Ebl, University of Washington

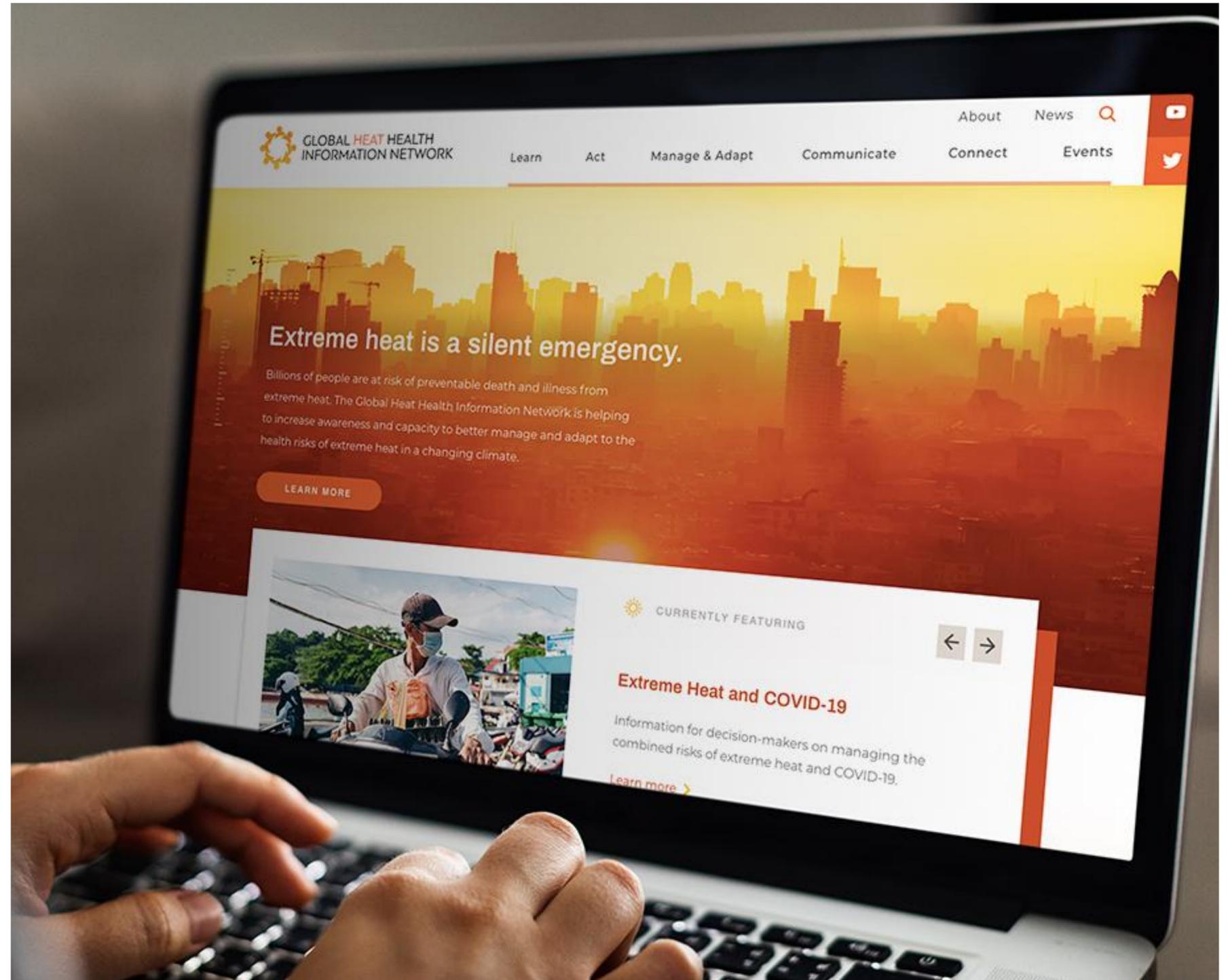
**Heat Health Masterclasses June-July 2020**

[www.ghhin.org](http://www.ghhin.org)

# New website launching in August

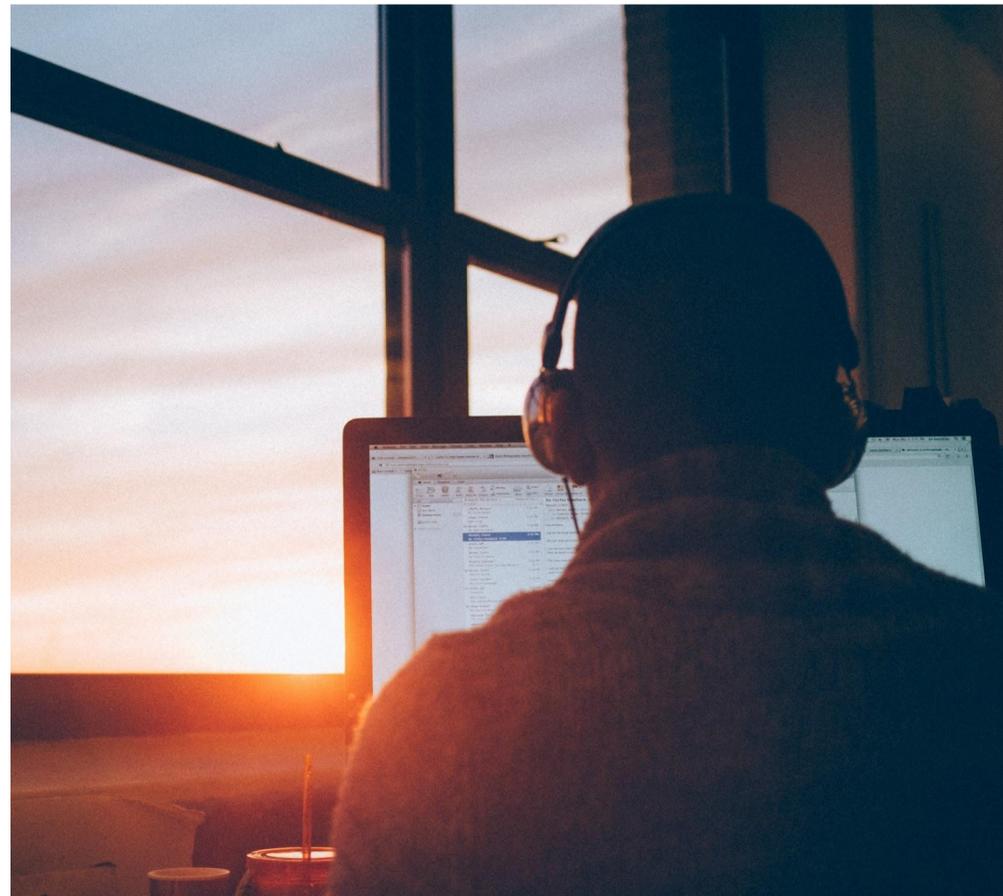
New and improved features:

- heat health resource library and learning
- Easy to use tools and services directory
- Focus areas: work, urban, sports, etc
- Inventory/maps of heat health action plans case studies
- Expert and projects directory
- [coming soon] action platform / directory of evidence and evaluation of interventions



Coming up

# Open Global Forum



# Masterclass Series

## Upcoming Fall series

- 1 Urban Heat Island Mapping Methods
- 2 Heat Indices and WGBT
- 3 Heat Physiology
- 4 Understanding heat vulnerability and inequity

# 3rd Global Forum on Heat and Health (2021/22)

Subscribe to the digest for announcements

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HEAT HEALTH DIALOGUES

# HEAT IN THE WORKPLACE



# Speakers



**Megan Rowling**

Thomson Reuters  
Foundation



**Tahmina Karimova**

International Labour  
Organization



**Andreas Flouris**

University of Thessaly,  
Greece



**Jerome Faucet**

German Red Cross,  
Vietnam



THOMSON REUTERS  
FOUNDATION



International  
Labour  
Organization



UNIVERSITY OF  
THESSALY



German  
Red  
Cross



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#HEATHEALTH  
[www.ghhin.org](http://www.ghhin.org)

# Dialogue Organizers



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Universität München

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HEAT HEALTH DIALOGUES

# HEAT IN THE WORKPLACE



# Heat in the Workplace - Activities on the horizon

**GHHIN Website Resource Section:** “Heat in the Workplace” featuring urban focused case studies, resources, and key issues.

**New GHHIN “Open Forum” Discussion Calls:** Monthly global call-ins to take a deeper dive on specific issues that will inform the GHHIN action agenda and encourage coordination and learning.

## **New Training and Capacity Building Opportunities**

- Masterclass on Worker and other themes
- Graduate, Post-doctoral and mid-career training/rotations

## **New technical activities and resources**

- WHO/WMO Technical Report on Occupational Heat Exposure

## **Exploring new programmatic and research partnerships**

- WHO-WMO Technical Report on Occupational Heat Exposure
- Scientific Committee on Thermal Factors, ICOH
- Project HEAT SHIELD

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