Für Mensch & Umwelt

GHHIN First Global Forum on Heat and Health
17 – 20 December 2018 in Hong Kong

Panel 2: Regional Innovations and Actions
Examples from Europe

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Sari Kovats/UNITED KINGDOM, Karine Laaidi/FRANCE, and Hans-Guido Mücke/GERMANY

on behalf of WHOEURO
I. Heat Health Action Plans in 18 European countries

<table>
<thead>
<tr>
<th>WHO Region</th>
<th>No. Countries identified to have HHAPs</th>
<th>% total by Region</th>
<th>HHAPs with HHAPs</th>
<th>% Countries with HHAPs</th>
<th>No. of countries in Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastern Mediterranean</td>
<td>1</td>
<td>2%</td>
<td>5%</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>Europe</td>
<td>35</td>
<td>74%</td>
<td>66%</td>
<td>53</td>
<td></td>
</tr>
<tr>
<td>Americas</td>
<td>2</td>
<td>4%</td>
<td>6%</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>South East Asia</td>
<td>5</td>
<td>11%</td>
<td>45%</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>Africa</td>
<td>4</td>
<td>9%</td>
<td>11%</td>
<td>37</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>47</td>
<td>-</td>
<td>30%</td>
<td>157</td>
<td></td>
</tr>
</tbody>
</table>

Regional distribution of HHAPs. Data in this table was obtained from the Global Heat Health Information Network Database. Information displayed was obtained via a systematic review of online HHAPs which was undertaken by the WHO and World Meteorological Organization Climate and Health Office in August 2017. (GHHIN, 2018)

Sources: Bittner et al. 2014 and WHO/EURO 2017

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*green (in place); yellow (in preparation); red (none/open)
II. Real-time Heat Health Surveillance, e.g. in France and Italy

### Rapid mortality surveillance system (SISMG)

- 34 cities included: regional capitals and cities with > 200,000 inhabitants
- SISMG: Ministry of Health weekly mortality surveillance bulletin

#### Euromomo european mortality surveillance network

<table>
<thead>
<tr>
<th>Year</th>
<th>Average excess mortality</th>
<th>% average excess mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>1,641</td>
<td>14.9%</td>
</tr>
<tr>
<td>2017</td>
<td>474</td>
<td>5.4%</td>
</tr>
<tr>
<td>2016</td>
<td>378</td>
<td>13.0%</td>
</tr>
<tr>
<td>2015</td>
<td>1,739</td>
<td>17.6%</td>
</tr>
</tbody>
</table>

- Major impact: >75 years old
- Workers: 12 deaths in 2011
- Children < 15 years old: 4 deaths in 2015 (early HW)
- Geographical discrepancies: characteristics of the HW, distribution of the population, measures

http://www.euromomo.eu/

18 European countries: Belgium, Denmark, Estonia, France, Finland, Germany, Greece, Ireland, Italy, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, UK
Panel 2: Heat Health Innovations and Actions in the WHO European Region

III. Heat Health Actions at Urban Scales, e.g. in Italy

Italian heat health prevention network

Heat warning system – «Caldo e Salute» APP

PUBLIC HEALTH PREVENTION AND GUIDANCE

PUBLIC HEALTH PREVENTION AND GUIDANCE

LOCAL HEAT PREVENTION PLANS

LOCAL INFORMATION CAMPAIGNS

Hans-Guido Mücke et al.

GHHIN – First Global Forum on Heat and Health, 17-20 December 2018 in Hong Kong
IV. Challenges, policies and bodies in Europe

The overall public health challenges of projected future heat extremes *(WHO/EURO 2018)*

- increased heat health risks in overaged, vulnerable population groups, mostly in Western Europe
- increased heat stress in highly urbanized, densely populated areas (urban heat island)
- growing impact on work practices and labour productivity
- strengthen the individual/personal adaptation capacity (coping/resilience)
- intensify the coordination of intersectoral CC mitigation and adaptation measures

**Policies and bodies – WHO Regional Office EURO (53 MS) Copenhagen/DK, WHO ECEH Bonn/D**

- European Environment and Health/EHP process
- the 5th EHP conference (Parma/I 2010) focused on Climate Change and Health
- European Health and Climate Committee (HIC, est. 2011) to support MS in developing national CC and Health actions (e.g. HHAP, health impact assessment)
- EHP Ostrava/CZ Declaration (2017): European Climate Change and Health agenda

**Policies and bodies – European Union/EU (28 MS)**

- European Directorates: e.g. DG Climate; DG Environment; DG Health, DG Res&Development
- EU Strategy on Adaptation to Climate Change (2013): to make Europe climate resilient
Panel 2: Heat Health Innovations and Actions in the WHO European Region

V. Considering research as one part for future actions

**Future WHO/EURO actions (2018 – 2020)**

  - and of Public Health Advice on preventing heat health effects (2011)
- including latest methodological knowledge, e.g. on evaluation (PIRU,UK)