(Near) Future challenges for starting Public Health professionals in Germany

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Disasters

“A serious disruption of the functioning of a community or a society at any scale due to hazardous events interacting with conditions of exposure, vulnerability and capacity, leading to one or more of the following: human, material, economic and environmental losses and impacts”
Disasters

≥10 persons reported killed or

≥100 persons reported affected or

A call for international assistance or

A declaration of emergency
Disasters

Occurrence of natural disasters reported in EM-DAT 1900-2003

Better reporting
More small events captured

Increased vulnerability
Population growth
↑ extreme natural events

## Classification of natural disasters

<table>
<thead>
<tr>
<th>Geophysical</th>
<th>Hydrological</th>
<th>Climatological</th>
<th>Meteorological</th>
<th>Biological</th>
<th>Extraterrestrial</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Earthquake</td>
<td>• Flood</td>
<td>• Drought</td>
<td>• Storm</td>
<td>• Epidemics</td>
<td>• Impact</td>
</tr>
<tr>
<td>• Mass movement (dry)</td>
<td>• Landslide</td>
<td>• Wildfire</td>
<td>• Extreme temperature</td>
<td>• Animal accidents</td>
<td>• Space weather</td>
</tr>
<tr>
<td>• Tsunami</td>
<td></td>
<td></td>
<td></td>
<td>• Insect infestation</td>
<td></td>
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<tr>
<td>• Vulcanic activity</td>
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</tbody>
</table>
Number of natural disasters worldwide, by main group per year, 2000-2018

Europe

Germany

Natural Disasters – Dead I

Number of people dead worldwide per year by main group of natural disaster, 2000-2018

Europe

Germany

Natural Disasters – Dead II

Number of people dead by disaster type worldwide, 2000-2018

- Climatological - Drought
- Climatological - Wildfire
- Geophysical - Earthquake
- Geophysical - Mass movement (dry)
- Geophysical - Volcanic activity
- Hydrological - Flood
- Hydrological - Landslide
- Meteorological - Extreme temperature
- Meteorological - Storm

Number of people dead by disaster type in Europe, 2000-2018 (logarithmic scale)

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- Climatological - Wildfire
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- Geophysical - Mass movement (dry)
- Geophysical - Volcanic activity
- Hydrological - Flood
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- Meteorological - Extreme temperature
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Number of people dead by disaster type in Germany, 2000-2018 (logarithmic scale)

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Natural Disasters – Dead II

Number of people dead by type of natural disasters worldwide, 2000-2018 (logarithmic scale)

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- Climatological - Wildfire
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- Geophysical - Mass movement (dry)
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Number of people dead by disaster type in Germany, 2000-2018 (logarithmic scale)

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Natural Disasters – Affected I

Number of people affected worldwide per year by main group of natural disaster, 2000-2018

Europe

Germany
Natural Disasters – Affected II
Technological disasters
Number of technological disasters worldwide, 2000-2018

- Transport accident
- Miscellaneous accident
- Industrial accident

Europe

Germany
Technological disasters II – Dead

Number of deaths in technological disasters worldwide, 2000-2018

- Transport accident
- Miscellaneous accident
- Industrial accident

Technological disasters III – Affected

Number of people affected in technological disasters worldwide, 2000-2018

- Transport accident
- Miscellaneous accident
- Industrial accident

Europe

Germany

What’s next?

Surprises

Health effects
→ Affected

Invisible
→ But prevention!

Disaggregation
→ eEM-DAT
→ Community level case-studies
Viel Erfolg für die Zukunft!
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