Project: Hitze Sicher/Worms

Develop and establish a heat action plan for the city of Worms
Why a Heat Action Plan?
Heat stress in Rhineland-Palatinate

2003 - 2019

Thermic situation
- very cold
- mildly warm
- very warm
- constantly hot
- cold
- warm
- hot

Worms

2018

regular year in the future!!!

© erstellt durch das Landesamt für Umwelt RLP (abgeleitet aus Satellitendaten)
Heat action plan for the city of worms

Measure from the concept for adaptation to climate change (2016)

Central target

Protection of the population and reduction of illness and mortality rates during high temperature phases through short, medium and long-term strategies

• Special measures during acute heat periods
• Protection during the summer
• Preparation for summer
• Long-term development and planning
PROJECT DESIGN
Project Hitze Sicher/Worms

- Implementation of a municipal pilot project in Worms
- Development of the plan with the support and expertise of external partners: Climate Alliance, university of Fulda and clinical centre of the university of Munich (LMU), Competence Centre for Climate Change Impacts of Rhineland-Palatinate.
- Duration: 24 months, Aug. 2020 - Jul. 2022
- Funded by the Federal Ministry of the Environment, Nature Conservation and Nuclear Safety (BMU)
project design
Hitze Sicher/Worms

field of activity „groups of risks“
- municipality
- Stakeholder groups
- network

knowledge and experience on heat action plans in other cities and countries
Identifying heat vulnerable areas in the city through the combination of socio-demographic data and climate data

development of the heat action plan
- Short measures
- Medium measures
- Long-term measures

evaluation of the project process and implementation of the plan

summative evaluation of the impact of the project

launch of the heat action plan
- building a network
- training courses
- public relations work
- feedback and further development

preparations before the summer
- protection during the summer
- special measures during heat events
- long-term development and planning

Transferability to other cities
Heat action plan Worms – time schedule

- **march - may 2021**
  - workshops & building a network

- **24.11.2020**
  - kick-off event

- **jun - nov 2021**
  - writing the plan + city council resolution

- **from 2022**
  - implementation of the plan

+ city council resolution
SOME PROJECT RESULTS
Identifying heat vulnerable areas

- Combining climate data with socio-demographic data
- Aim: show the vulnerability of certain groups
  - people over 65 years old
  - people over 80 years old
  - children from 0 to 5 years
  - recipients of unemployment benefit (SGBII)
  - geographical location of kindergartens and day nurseries
  - geographical location of nursing homes
Stakeholder involvement – workshops

• 4 workshops á 2 meetings on target groups particularly affected by heat
  ➢ Elderly people, physically and mentally vulnerable people, people in need of care
  ➢ Pregnant women, babies and children
  ➢ Community shelters and homeless people
  ➢ People working outside

• Objectives
  ➢ Practical needs-oriented preparation of the plan in close coordination with the sectoral and institutional stakeholders
  ➢ Development of measures for the heat action plan
  ➢ Forming a network with all relevant actors
  ➢ Establishing communication structures
Conceptualising the plan – developing and defining concrete measures

Three parts:  
1. emergency plan  
2. short and medium-term measures  
3. long-term measures

1. emergency plan

– in which it is specified exactly what happens and what information is passed on to whom when a heat wave occurs
– different alarm levels: from 32 degrees, from 38 degrees, from 40 degrees
Conceptualising the plan – developing and defining concrete measures

2. short and medium-term measures

<table>
<thead>
<tr>
<th>target group</th>
<th>measure</th>
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<tbody>
<tr>
<td>A1 all people</td>
<td>Public communication of the acute heat alert incl. tips</td>
</tr>
<tr>
<td>A2 all people</td>
<td>Monitoring of morbidity</td>
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<tr>
<td>A3 all people</td>
<td>Drinking water in public spaces</td>
</tr>
<tr>
<td>A4 all people</td>
<td>Opening cool places (especially existing places like churches)</td>
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<tr>
<td>A5 people living alone</td>
<td>Support in everyday life - buddy system</td>
</tr>
<tr>
<td>A6 infants and parents</td>
<td>Expanding &quot;early help&quot; services for mothers and babies</td>
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<tr>
<td>A7 homeless people</td>
<td>Handing out heat protection items for homeless people</td>
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<tr>
<td>A8 community shelters</td>
<td>Measure for people in shared accommodation</td>
</tr>
<tr>
<td>M1 all people</td>
<td>Raising awareness through general broad publicity</td>
</tr>
<tr>
<td>M2 all people</td>
<td>Distribution of information material to multipliers</td>
</tr>
<tr>
<td>M3 caregivers</td>
<td>Education and training in the health sector and for other professional groups</td>
</tr>
<tr>
<td>M4 outdoors worker</td>
<td>Networking and advisory services for outdoor workers</td>
</tr>
</tbody>
</table>
Conceptualising the plan – developing and defining concrete measures

3. long-term measures
- measures for heat-adapted urban development

Structure within the municipality for the establishment of the plan

- Establish an internal municipal steering committee
  - consists of central municipal actors
  - meetings at regular intervals
  - to implement, adapt and further develop the heat action plan
  - discussing and prioritising measures
  - initiating and coordinating the successive implementation of the measures
Questions?

thank you for the attention