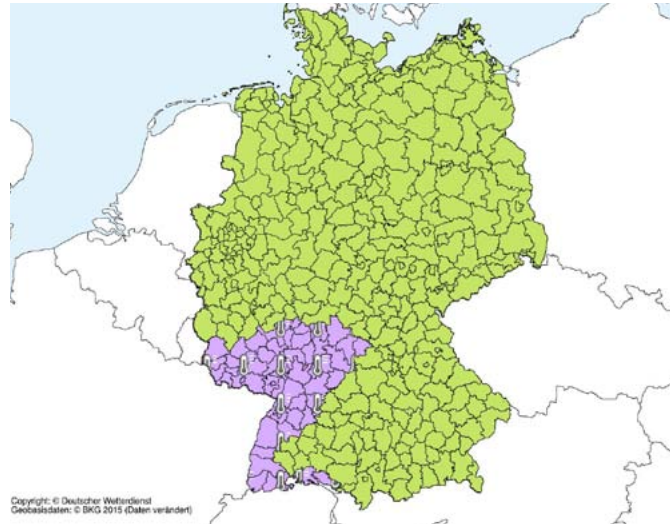


In collaboration with the Global Heat Health Information Network (GHIN).

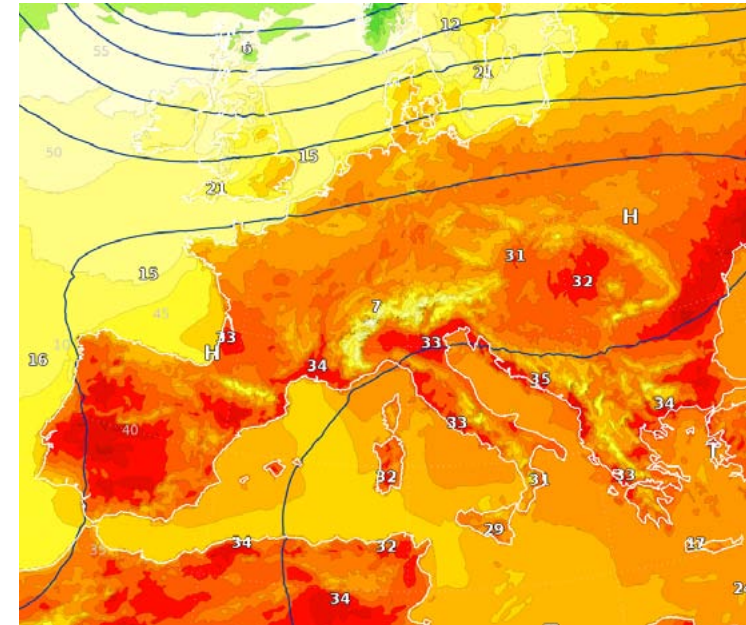
Core characteristics of the HHWS

The management of ambient heat risk is an increasingly important issue not only in the era of climate change, but in recent climate conditions in several parts of the world. High levels of mortality associated with extreme heat events over the last few decades show the importance to develop and deploy Heat Health Warning Systems (HHWS). Following the devastating European heat waves in 2003 and the statements of IPCC confirming trends of increasing frequency and magnitude of such events - several countries in Europe decided to develop or implement a national Heat Health Warning System and provide information for general public and public health.



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www.dwd.de/warnungen



In Germany the HHWS is in operation since 2005 and preliminary studies indicate its success, by a measured reduction of the heat related mortality after implementation. Finally, the HHWS is part of the heat health action plans in Germany.

The experience in Germany has been very successful and serves as the basis for training others in how to develop similar approaches and models.

Contact

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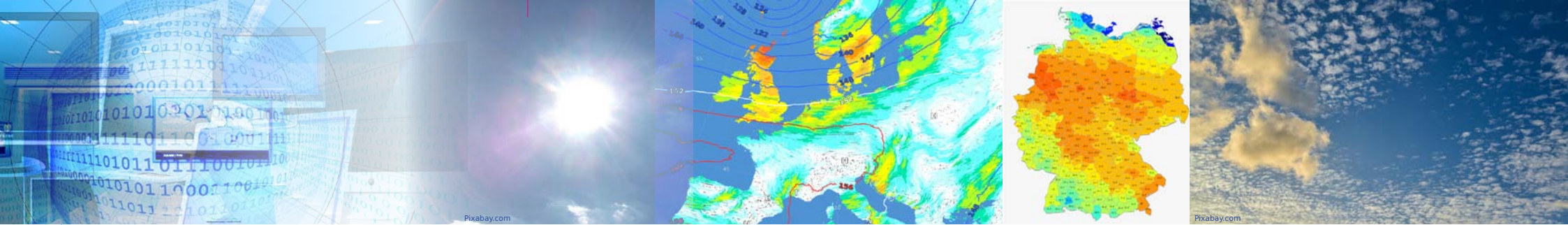


DWD 1. Auflage 100 / 06.18

Heat Health Warning Systems HHWS

Training Center

Heat and Health Forecasting and Warning



Scope and aim of the training center

The aim of the training center is to assist and provide capacity building for professionals from meteorological services, research institutions related to meteorological services and international organizations. Time at the training center will enable participants the possibility to study approaches to HHWS in Germany, learn specific skills and work to adjust, apply and transfer the methods used by the HHWS in Germany in other locations.

The content of training on „Heat and Health“ at the training center may include:

- Key concepts and fundamentals of HHWS, biometeorological weather forecasting, importance of local and regional effects of climate and their influence on human health
- Skills to estimate thermal indices, nocturnal and in general indoor conditions, the effect of sun radiation and ventilation including air conditioning
- How to develop specific warning thresholds and criteria
- Good practices to develop and tailor risk communication messages for broadcast meteorologists, the public, health authorities and specific target groups like elderly people and homes
- Importance of preparation and analysis of health and epidemiological data

Training will occur in English and/or in German.

Requirements of candidates

The candidates should have:

- knowledge in meteorology and weather forecast
- knowledge in statistics and epidemiology
- good computer programming skills
- availability of national health data in temporal and spatial resolution
- excellent communication
- excellent scientific skills

Candidates should be staff at National Meteorological Services and/or PhD candidates.

Application Process

Candidates can apply directly and should include

- a cover-letter explaining their interest and how they will use the training in their work or studies
- a Curriculum Vitae
- a publication list
- two reference letters.

Applications from staff from NMHS should include a confirmation from the Director of their National Weather Service that they agree to provide time-off from employment for the training opportunity and are willing to apply methods and results of HHWS obtained through the training to improve national service delivery of heat health warnings (counting as one reference letter).

Funding Modalities of participation

Candidates should demonstrate adequate funding to cover travel, health insurance and living stipend while at the DWD Research Center Human Biometeorology. Applicants are required to identify their own sources of funding from their employer or study institution, or other national or international funding organizations.

Upon acceptance, the training center offers to host the student for the agreed period, provide a work space, provide project mentoring, hands-on experience with ongoing projects and common work on the specific issues of the candidate. The estimated monthly living costs in Freiburg are 1400 €, including about 600-800 € for accommodation. Students are encouraged to bring their own computer.

Duration of training

The duration of the time at the Training Center can vary from three months to one year depending on the knowledge of the candidates and available funding.

PhD opportunities and academic exchange possibilities can be provided in cooperation with Albert-Ludwigs-University in Freiburg.