



# Involving the public in the weather warning process Opportunities, challenges, and lessons learned

#### Dr. Katja Schulze

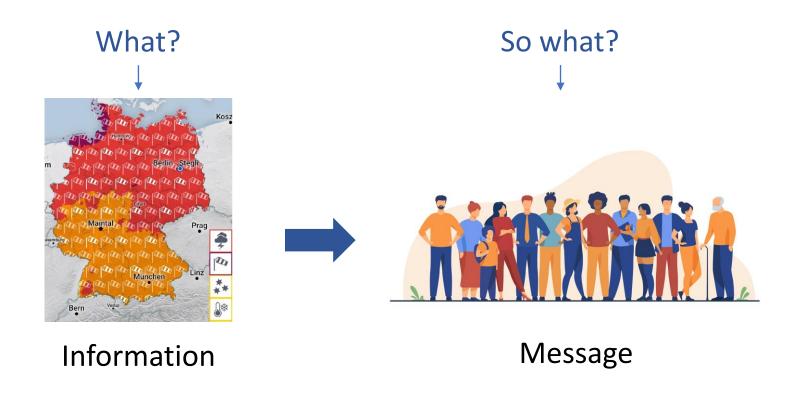
Disaster Research Unit (DRU), Freie Universität Berlin







### Effective warning communication must convey the message



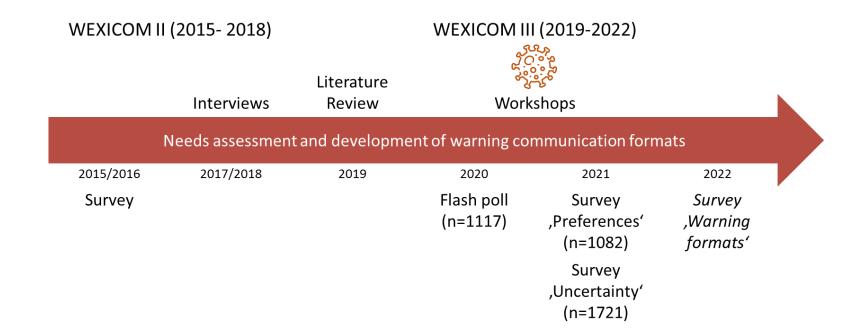
### Warning communicators need to understand their audience



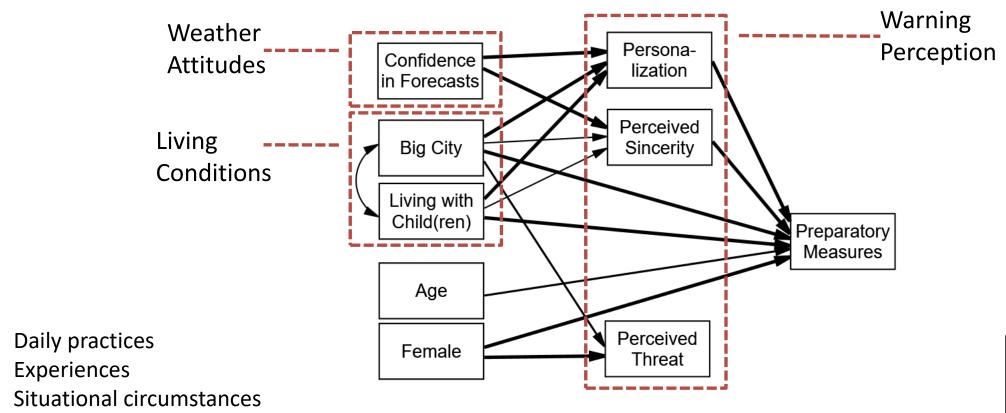
### WEXICOM III focuses on the needs of specific user groups







## Attitudes and daily practices influence the weather warning response



**Storm Sabine/Ciara** 

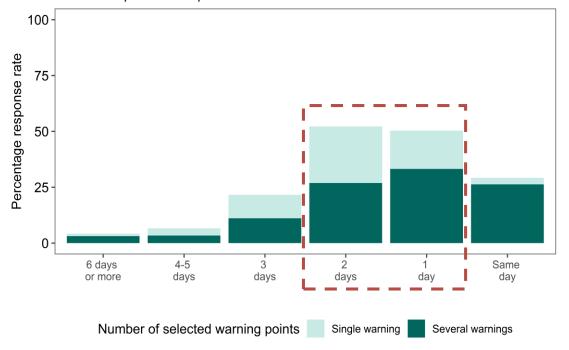
9/10 Feb 2020 Up to 12 Bft Flash poll n = 1117

### Most Germans want to receive a weather warning one or two days in advance

#### Preferred warning time depending on number of selected warning times

Question: A weather warning can be issued several days in advance. But the further in advance the forecast is made, the less accurate it is and also the lower the probability that the severe weather will actually occur. At what time would you like to be warned about a storm?

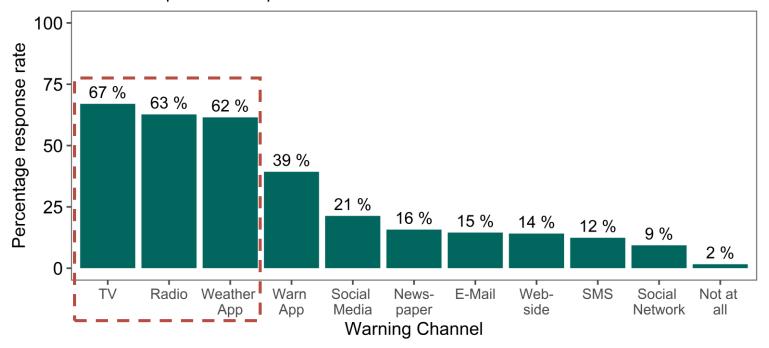
Notes: Multiple answers possible



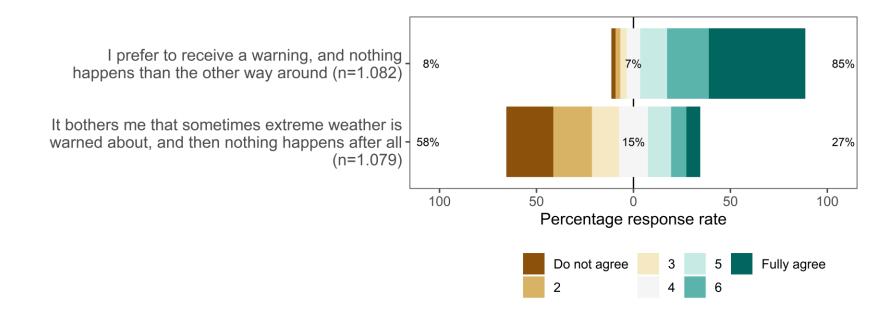
### Traditional media and weather apps are the favored weather warning channels

Which channel do you prefer to receive warnings of severe weather in the future?

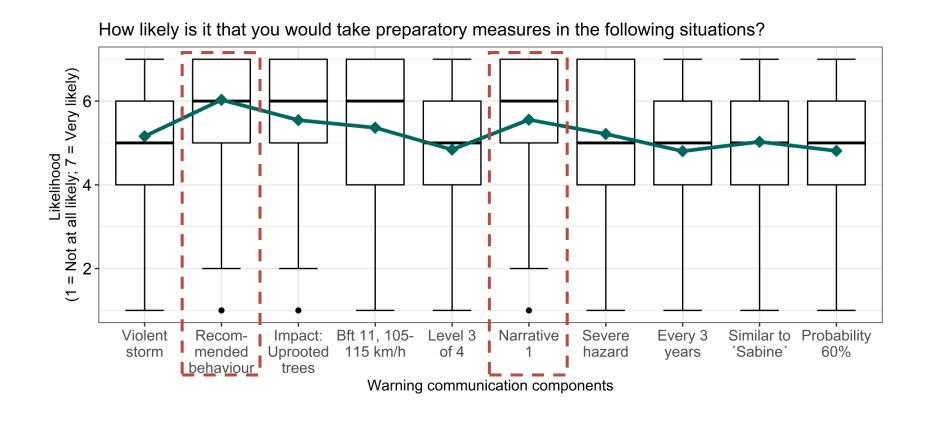
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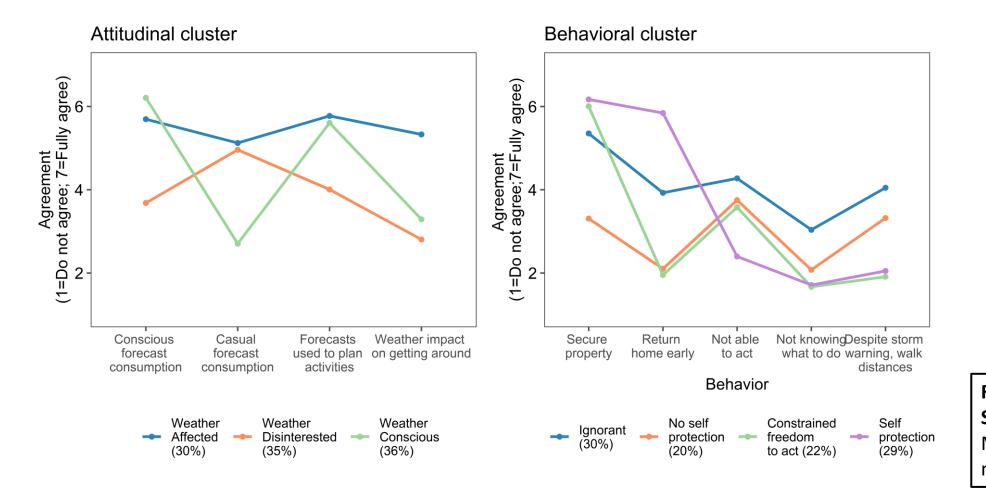
### Most Germans prefer to receive a false alarm rather than a missed event



### What kind of information do people want? What impact do different kinds of information have?



#### The public is heterogeneous



Warning communicators can only understand their audience if they involve them from the beginning



#### Involving the public is challenging ...

#### ... but we learned some lessons



- ➤ Budget sufficient resources
- ➤ Have back-up plans
- > Engage interdisciplinary team
- Use mixed methods
- ➤ Identify and involve subgroups
- ➤ More culturally diverse research



#### Thank you for your attention!

#### katja.schulze@fu-berlin.de

https://www.geo.fu-berlin.de/met/wexicom/index.html





