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Marga und Walter  
Boll-Stiftung

In partnership with:



Climate  
Centre

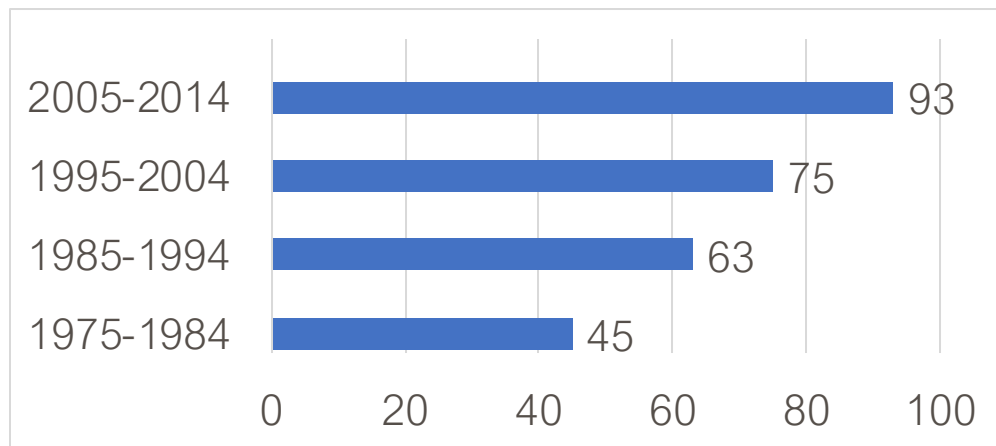
## ***“Forecast-based Financing in Vietnam – Heatwaves in Urban Context”***



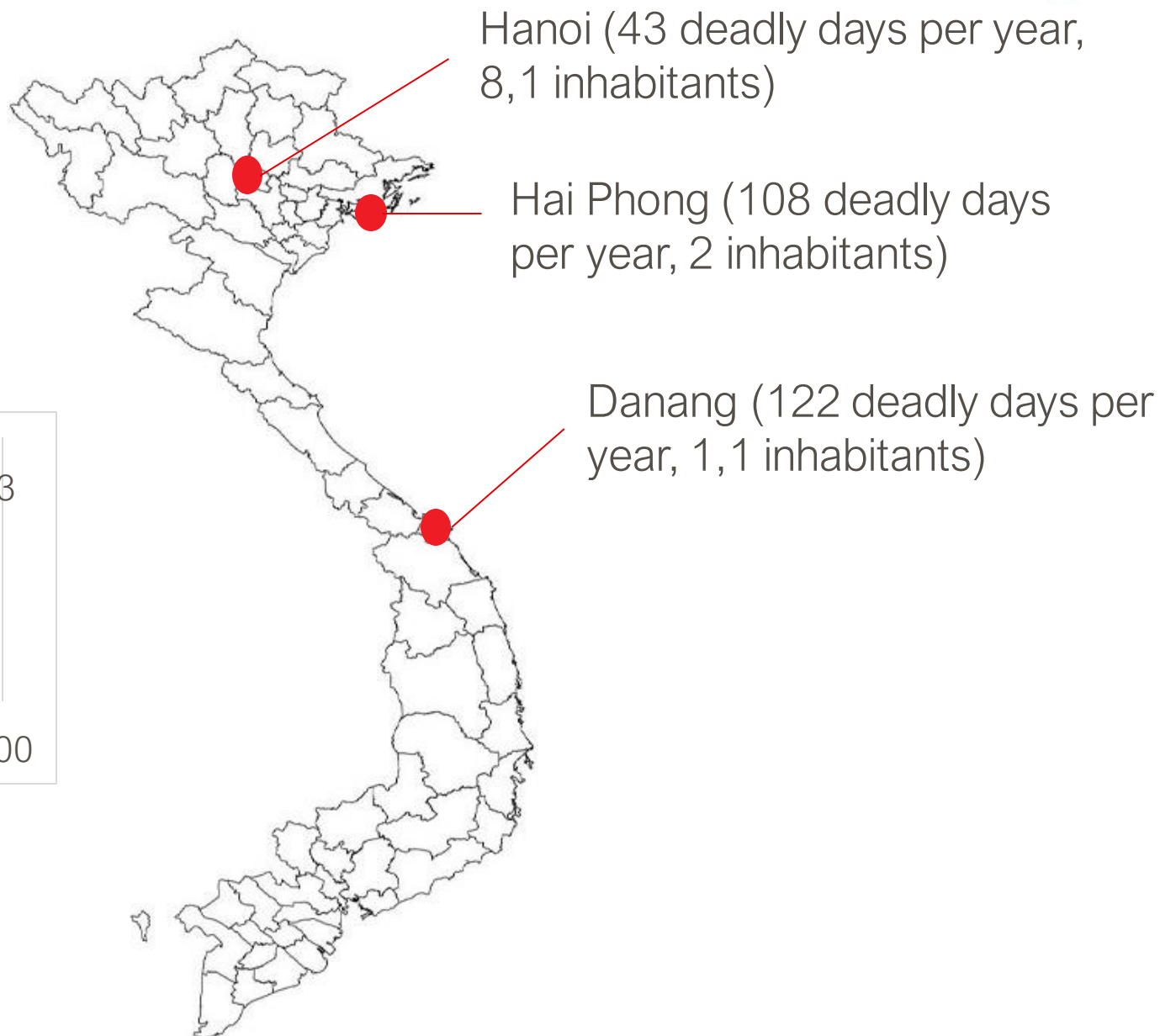


➤ **3 target cities**

- Targeted activation from 15 of April until the 15th of September



Statistics of the number of heat waves in Hanoi for each decade of the period 1975-2014 (IMHEN 2019)











# Early Actions



## Cooling Centres



OUTSIDE  
Temperature



INSIDE  
Temperature

## Cooling Buses



## Slum visit





# Early Actions: Guidelines and SoP



1. Invite the beneficiary to seat

2. Invite the beneficiary to open/ loosen clothes, fold up the sleeves, remove hat

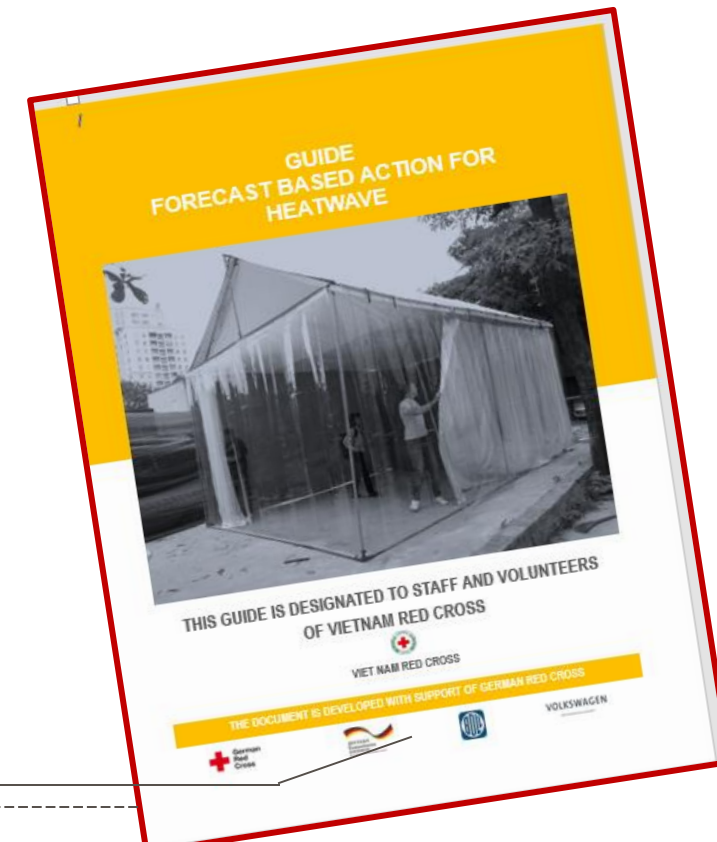
3. Offer water, tea  
Give cold towel to the beneficiary, demonstrate how to use the towel (face, neck, armpit...)

6. Give the water container (filled with cool water) to the beneficiary

5. Distribute the IEC fan, explain the symptoms of heat-related illness, how to deal with and prevent them

4. Assess the beneficiary Health status using assessment card

7. Guide the beneficiary to the volunteer surveyor: sign the beneficiary list, complete the questionnaire, invite to follow Facebook page



1

Invite the beneficiary to seat



2

Invite the beneficiary to open/ loosen clothes, fold up the sleeves, remove hat



3

Offer water, tea  
Give cold towel to the beneficiary, demonstrate how to use the towel (face, neck, armpit...)



7

Guide the beneficiary to the volunteer surveyor: sign the beneficiary list, complete the questionnaire, invite to follow Facebook page



German  
Red  
Cross

Standing  
Operating  
Procedure for  
Cooling Centres

6

Give the water container (filled with cool water) to the beneficiary



5

Distribute the IEC fan, explain the symptoms of heat-related illness, how to deal with and prevent them



4

Assess the beneficiary Health status using assessment card



4

## Assess beneficiary Health status

Feeling dizzy or giddy  
Feeling faint, 'seeing stars'  
Feeling weak  
Cramps in lower limbs  
Numbness



Symptoms:

Has symptom(s)?

No

Has emergency  
sign(s)?

No

Perform tasks 5, 6, 7

Emergency Signs:



Loss of movements control,  
Coma,  
Confusion,  
Convulsion,  
Vomiting and stomach pain,  
Chest pain,  
Difficulty to breath,  
Hyperventilation

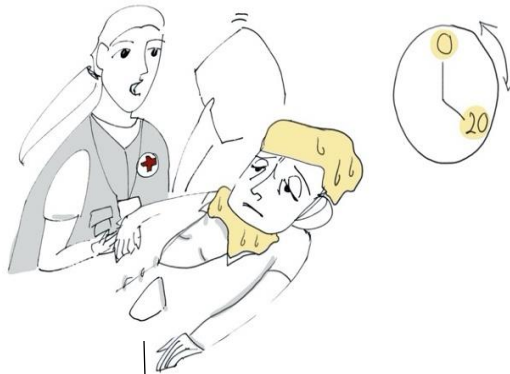
4

Assess beneficiary  
Health status

Beneficiary

Has symptom(s)?

Yes



No

Perform tasks 5, 6, 7

Yes

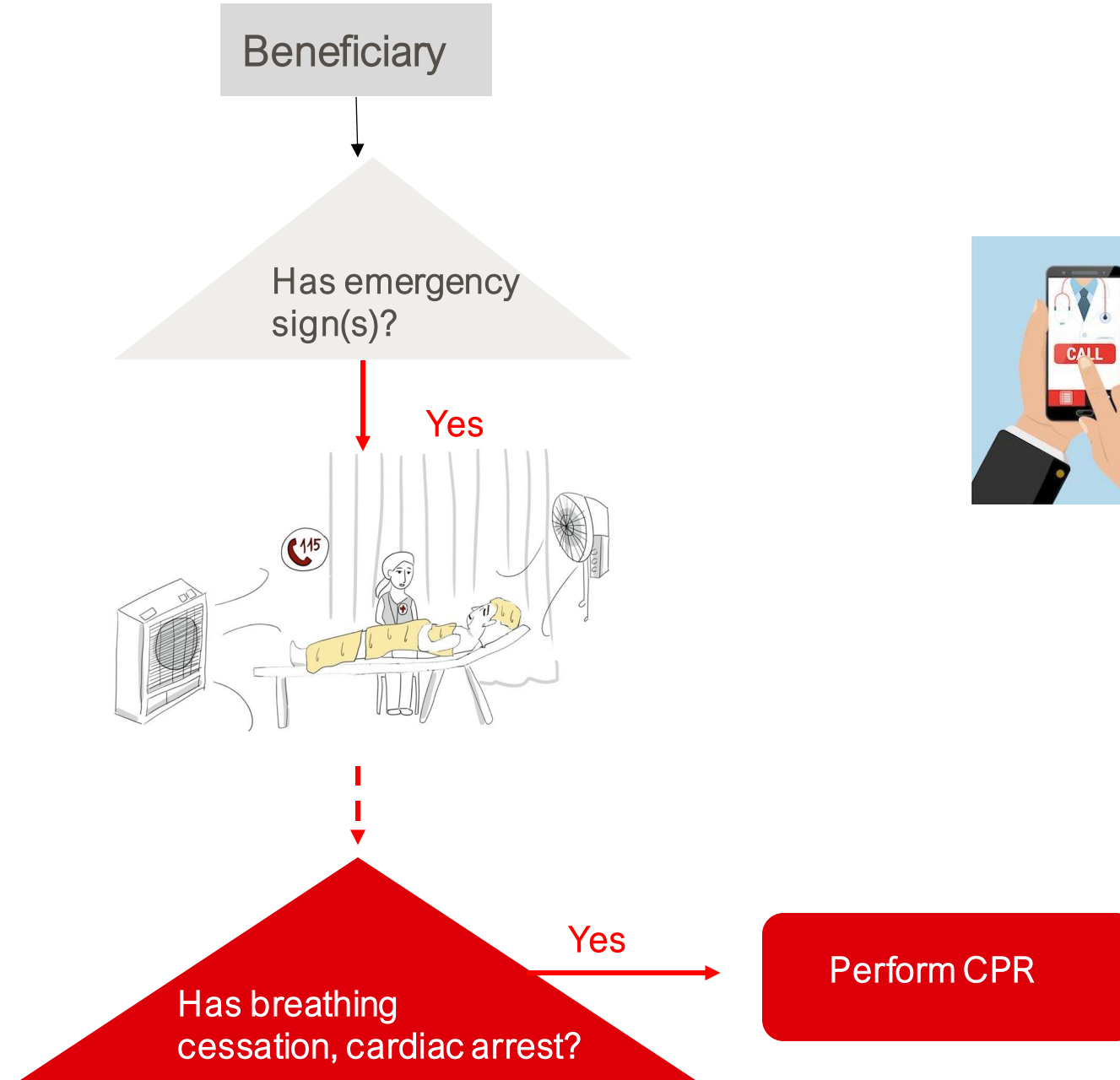
Symptom(s)  
still present  
after 20 mins?





4

Assess beneficiary  
Health status













# Cooling Centres – Test Results

- Feasibility (possibility to be implemented within the lead-time of 4 to 6 days),
- Effectiveness to reduce heat health impacts,
- Social acceptability,
- Value for Money/Efficiency,
- Potential to be scaled up / replicated.

# Retrofitting + cash (utility)

Type of Habitation / Roof	RETROFITTING
<div><p>SLUM Units</p></div> <div><p>Fibro Cement</p><p>Iron</p></div>	<div><p>Reflective net</p></div> <div><p>Roof Sprinkler cooling system</p></div> <div><p>+</p></div> <div><p>130 EUR including cash for utility</p></div>
<div><p>Poor Rented dormitory</p></div> <div><p>Fibro Cement</p><p>Iron</p></div>	