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VOLKSWAGEN

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Marga und Walter  
Boll-Stiftung

In partnership with:



Climate  
Centre

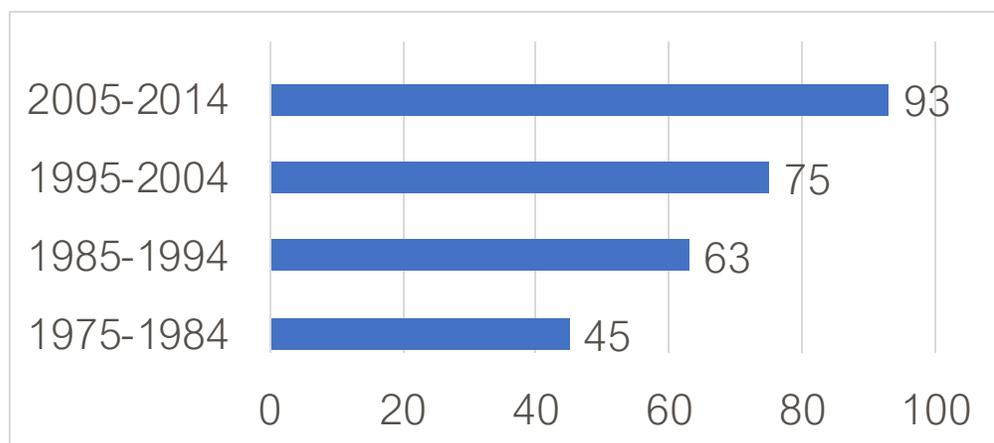
## “Forecast-based Financing in Vietnam – Heatwaves in Urban Context”



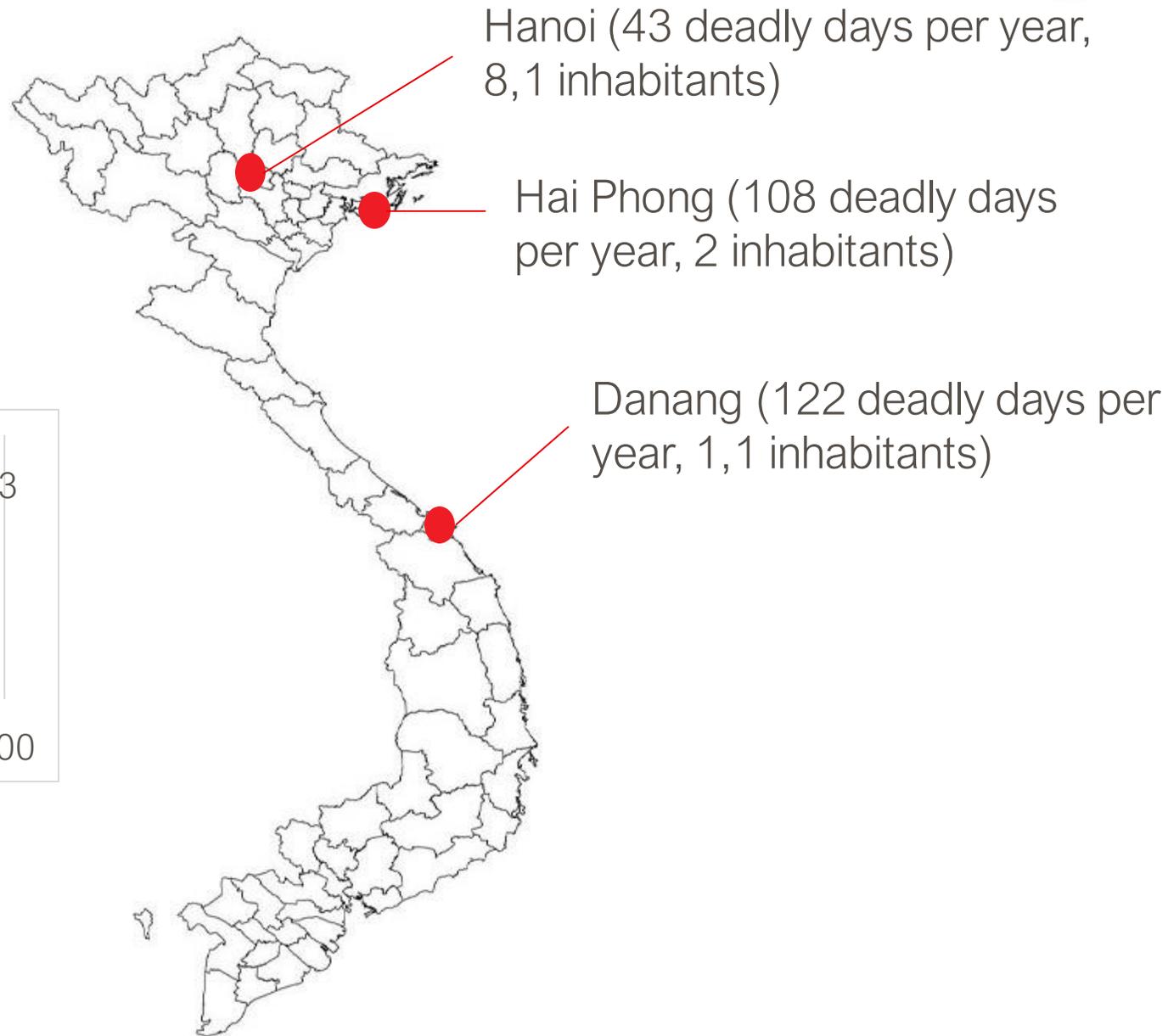


➤ **3 target cities**

➤ 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

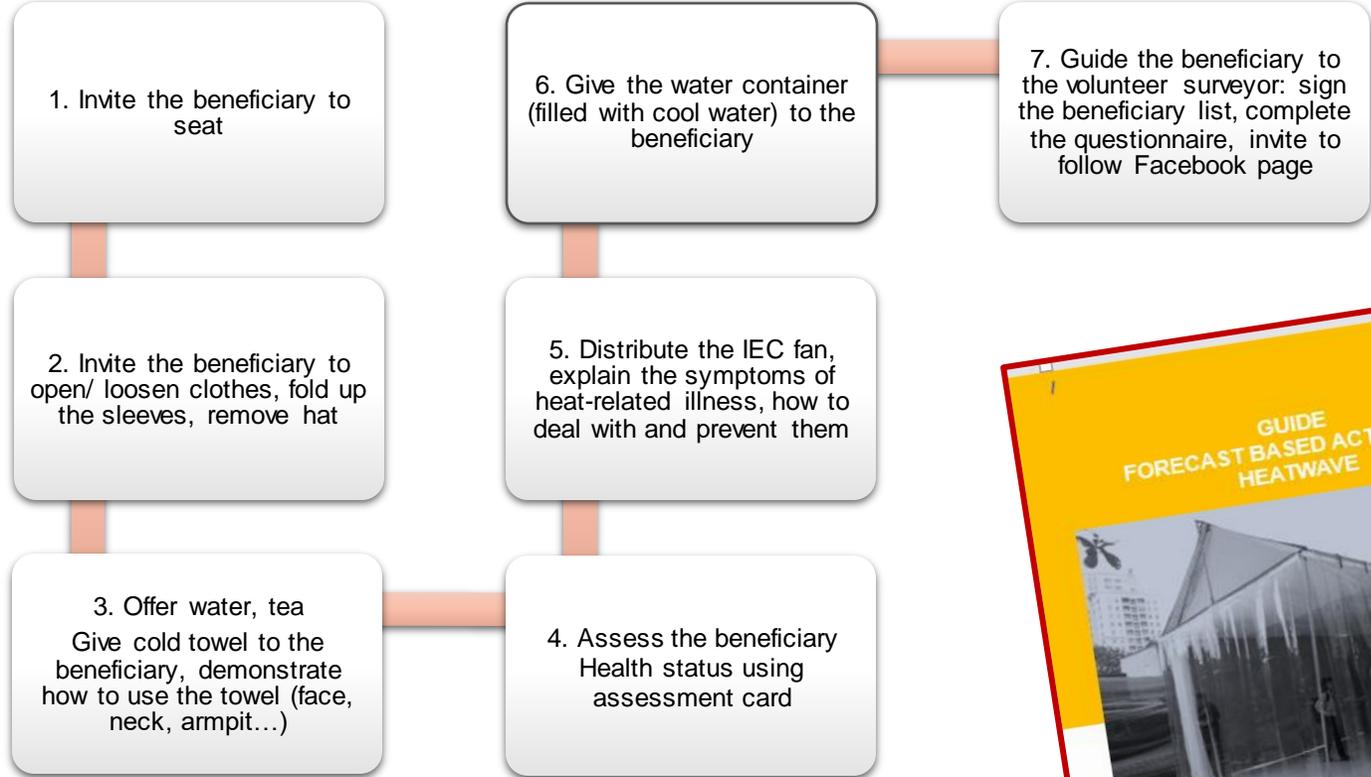


## Slum visit





# 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...)



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:

Beneficiary

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

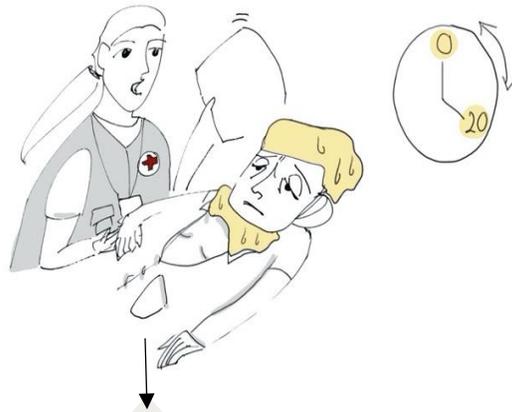
4

Assess beneficiary  
Health status

Beneficiary

Has symptom(s)?

Yes

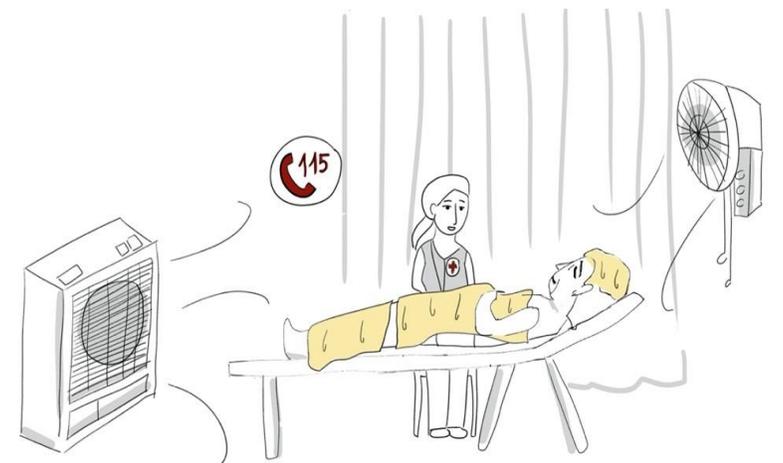


No

Perform tasks 5, 6, 7

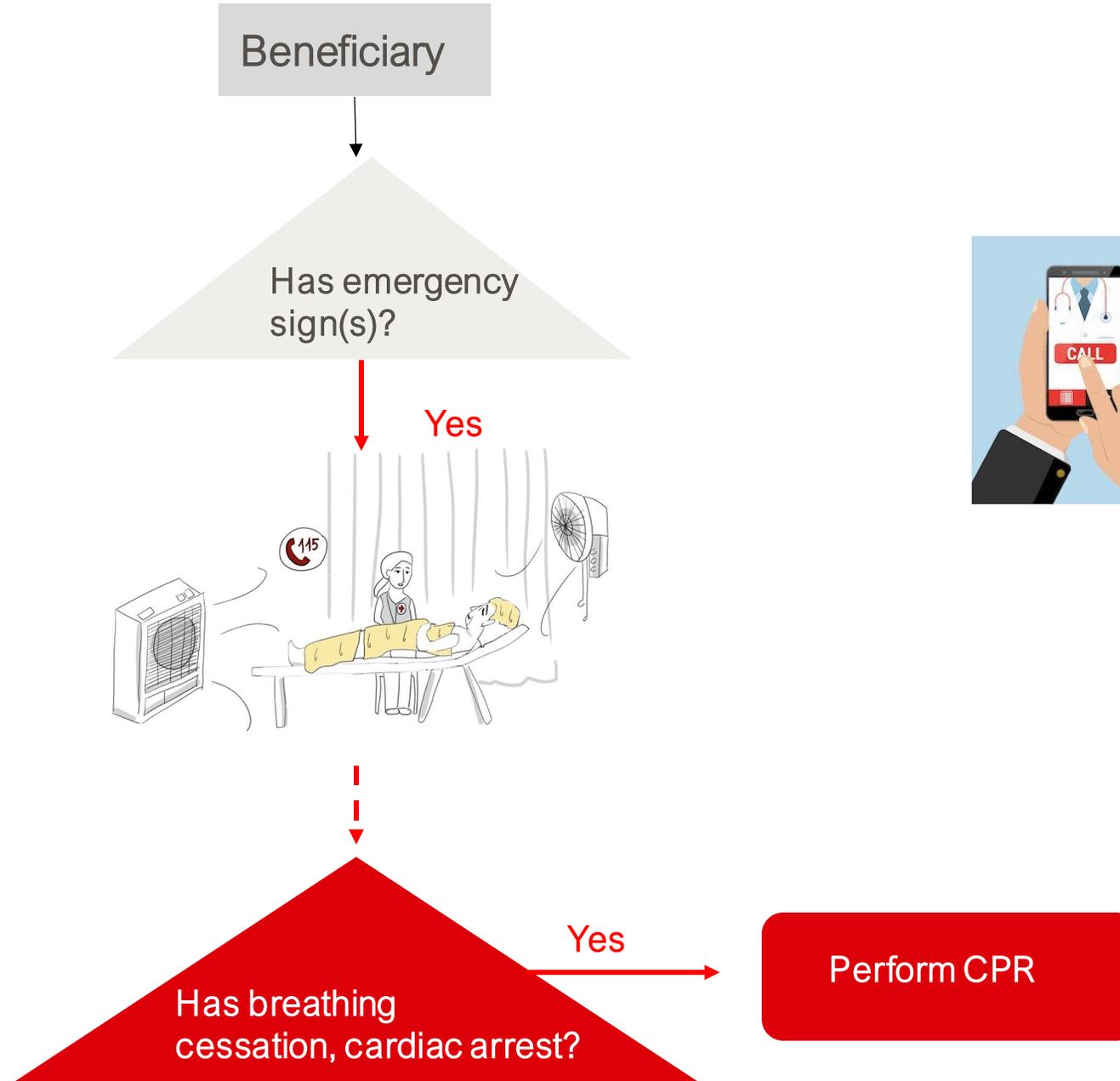
Yes

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
 <p>SLUM Units</p>  <p>Fibro Cement</p>  <p>Iron</p>	 <p>Reflective net</p>  <p>Roof Sprinkler cooling system</p>
 <p>Poor Rented domitory</p>  <p>Fibro Cement</p>  <p>Iron</p>	<p>130 EUR including cash for utility</p>