

**UN@HABITAT** FOR A BETTER URBAN FUTURE



# CityRAP Tool

**ACTION PLANNING** 



#### URBAN RESILIENCE

"The ability of any urban system, with its inhabitants to maintain continuity through all shocks and stresses, while positively adapting and transforming toward sustainability".





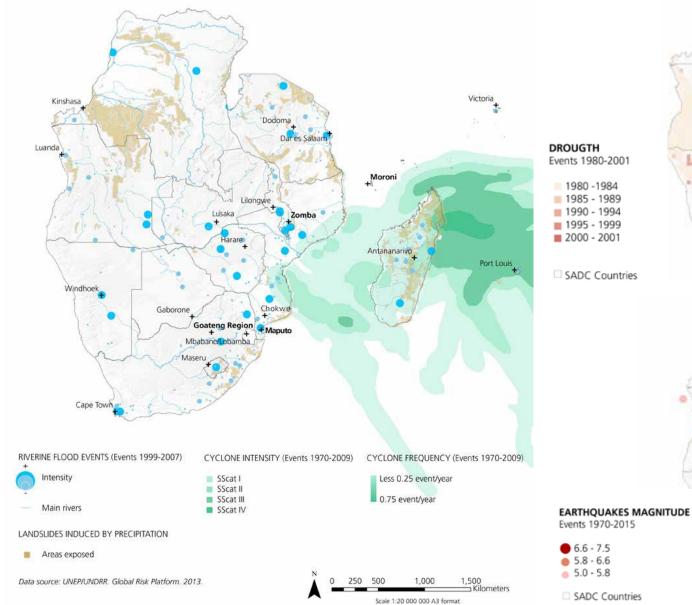
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# Key challenges for building resilience

 Lack of technical capacity and experience
 Lack of data and information
 Lack of financial resources

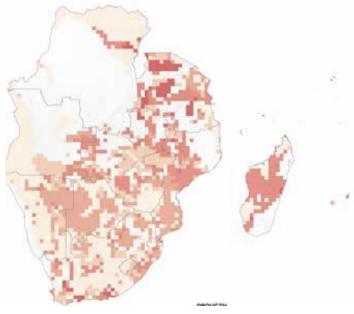
Existing tools are often too complex, data hungry and not adapted to the reality of some cities.

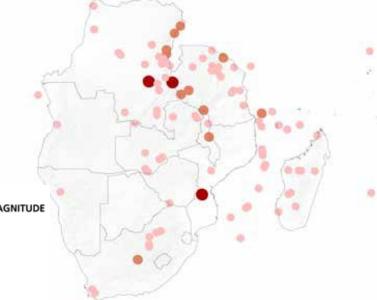
#### Natural hazards do not respect national boundaries



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#### The DiMSUR initiative

# In 2010...

... four countries with common vulnerabilities in southern Africa, with the facilitation of UN-Habitat, decided to join forces initiating the process to establish the sub-regional Technical **Centre for Disaster Risk** Management, **Sustainability and Urban Resilience (DiMSUR)** 





### The DIMSUR initiative

### Mandate



to provide technical assistance and knowledge for:

- **Disaster Risk Reduction**
- **Climate Change Adaptation**
- **Urban Resilience**

in Southern Africa and the South-West Indian Ocean.

#### **Status**

non-profit, autonomous, regional organization, international in status and non-political in management, staffing and operations.

#### **Headquarters**

### **Founding members**

- Madagascar
- Malawi
- **Mozambique**
- **Union of Comoros**

**Maputo**, Mozambique with sub-units in each Member State.

#### The DiMSUR initiative

Vision



Be an effective catalyst and major partner for disaster risk management and climate change adaptation in southern Africa contributing to building a more resilient region based on safe and prosperous cities and towns.

#### **Strategic priorities for the first 10 years**

Enhancing the	Strengthening national and	Building safer and more
identification and	local capacities to manage	resilient cities through the
understanding of risks at	disaster risk and build	provision of qualified
local level	resilience	technical assistance
Establishing networks & partnerships for better knowledge management and dissemination	Promoting a culture of safety and resilience through awareness raising, disaster preparedness & building back better	Reinforcing the institutional, managerial and technical capacity of DiMSUR

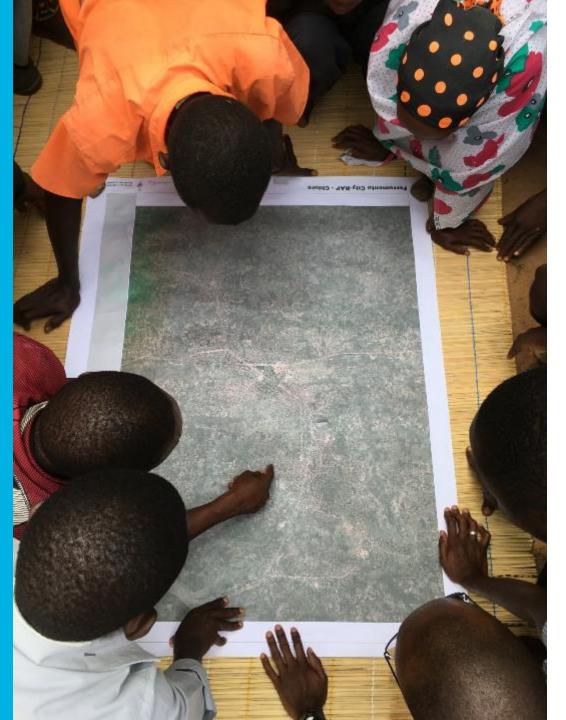
# What is CityRAP?

#### CityRAP features

"It is built on participatory methods and consensusbuilding techniques to involve all concerned stakeholders with the aim to identify the entry points to start building the city's resilience with minimal external support"

(Prof. Mark Pelling)

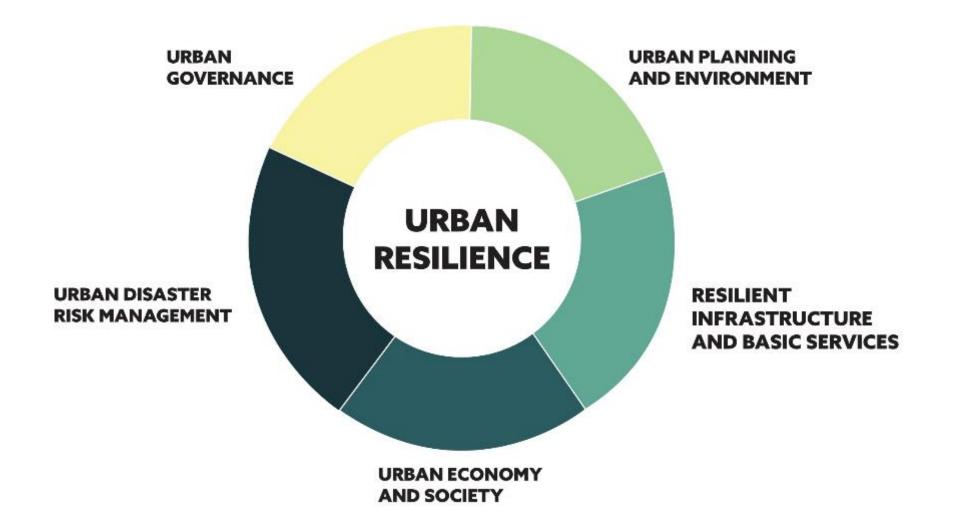
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- CityRAP is **DiMSUR's** flagship product.
- It is a tool used for training city managers and municipal technicians and to build their capacity to plan actions aimed at reducing risk and building resilience
- Targets small to intermediate cities, or municipal districts within bigger cities (~250.000 people)
- The municipality is the leader of the process from day one
- Leverages local knowledge through a participatory approach
- Its final product is a *Resilience Framework for Action* for the city

#### CityRAP resilience pillars

A resilience framework with five inter-related pillars designed as a theoretical structure for data collection at the city level





#### CityRAP process

## 4 phases

200-300 people directly participate

Local government Public institutions Community representatives CSOs and NGOs Media Private sector Academia

#### **PREPARATORY PHASE**

Preparatory meetings, Focal Points selection, preliminary questionnaire, stakeholder analysis

#### PHASE 1 - CRASH COURSE Workshops

#### PHASE 2 - PARTICIPATORY DATA COLLECTION AND ORGANISATION

Risk mapping, community consultations, self-assessment

#### PHASE 3 - DATA ANALYSIS AND PRIORITISATION Focus group discussions, prioritisation workshop

PHASE 4 - DEVELOPMENT OF THE CITY RESILIENCE FRAMEWORK FOR ACTION Technical workshops



#### CityRAP in Africa

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CityRAP Tool implemented in:

Burkina Faso Cabo Verde Ethiopia Guinea-Bissau Madagascar Malawi Mozambique Sao Tome e Principe Union of Comoros Zambia Zimbabwe

**30 cities** in Africa reached

4

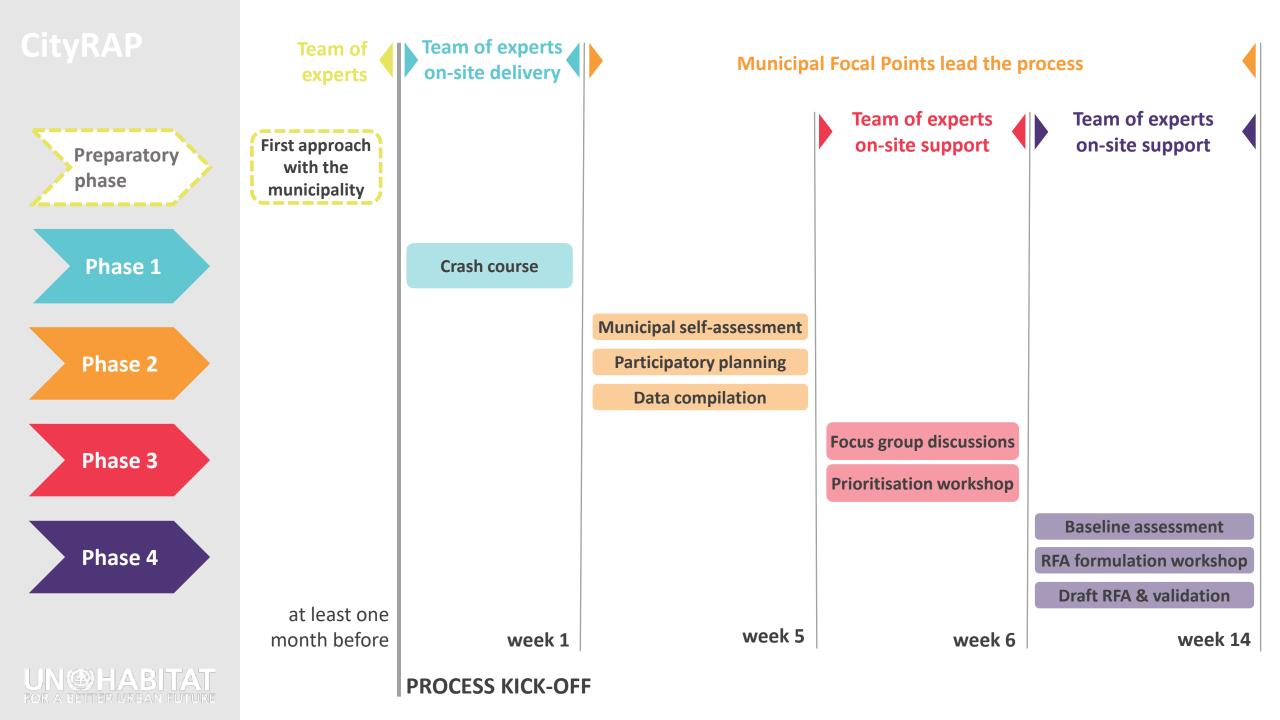
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#### Training of Trainers delivered in:

Burkina Faso (delivered to representatives from the 8 countries of the West African Economic and Monetary Union UEMOA) Cabo Verde Ethiopia Guinea-Bissau Sao Tome e Principe South Africa



# How does CityRAP work?

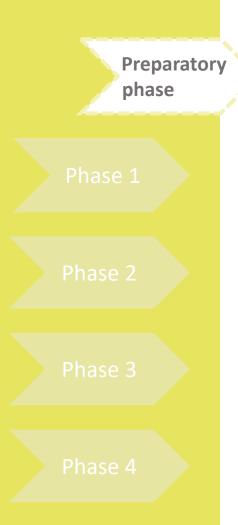




Phase 4

The target municipality or local government is fully informed and committed to the process, with a clear understanding that the City RFA is ultimately meant to serve the city to enhance its resilience.

#### CityRAP



## Main activities

- Preparatory meeting with the Mayor and city management
- Selection of Municipal Focal Points
- Completion of the **preliminary questionnaire**
- Completion of the preliminary stakeholder analysis

### Responsible actors

- Team of experts: travel to the municipality
- Municipal Focal Points: selected and committed



At least one month before Phase 1



Preparatory phase

Phase

Phase 2

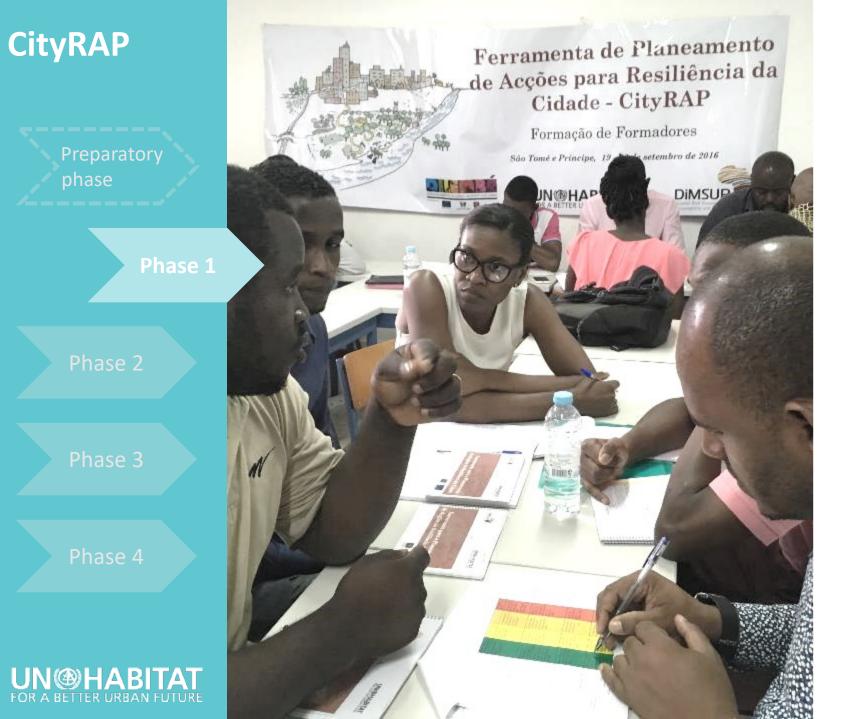
Phase 3

Phase 4

**UNDERSTANDING URBAN RESILIENCE** 

Introducing municipal staff and local stakeholders to key concepts of risk and resilience and to the tool's methodology.

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# Main activities

- Crash course
- Training session for
  Municipal Focal Points

# Responsible actors

- Team of experts: deliver
  Phase 1 on-site
- Municipal Focal Points (MFPs): trained by the team of experts

# Duration

4-day crash course +1-day training of MFPs



#### **Crash course: KEY CONCEPTS of urban risk and resilience**

Preparatory phase

Presentation of the CityRAP Tool and introduction to the key concepts of urban resilience and disaster risk

Phase 2

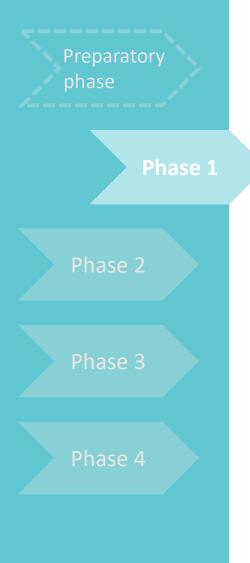
Phase 3

Phase 4

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#### **Crash course: KEY CONCEPTS of urban risk and resilience**





Use of a

language easy

to understand,

although

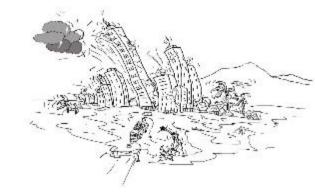
scientifically

rigorous, to

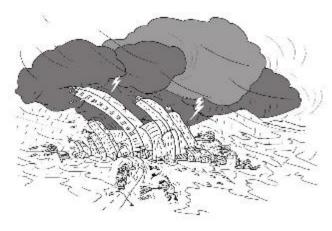
demystify

complexity

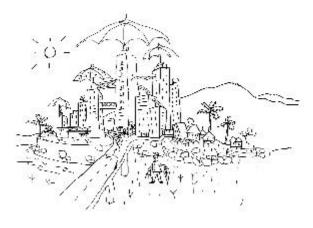
"The ability of any urban system, with its inhabitants...



...while positively adapting and transforming...



...to maintain continuity through all shocks and stresses, ...



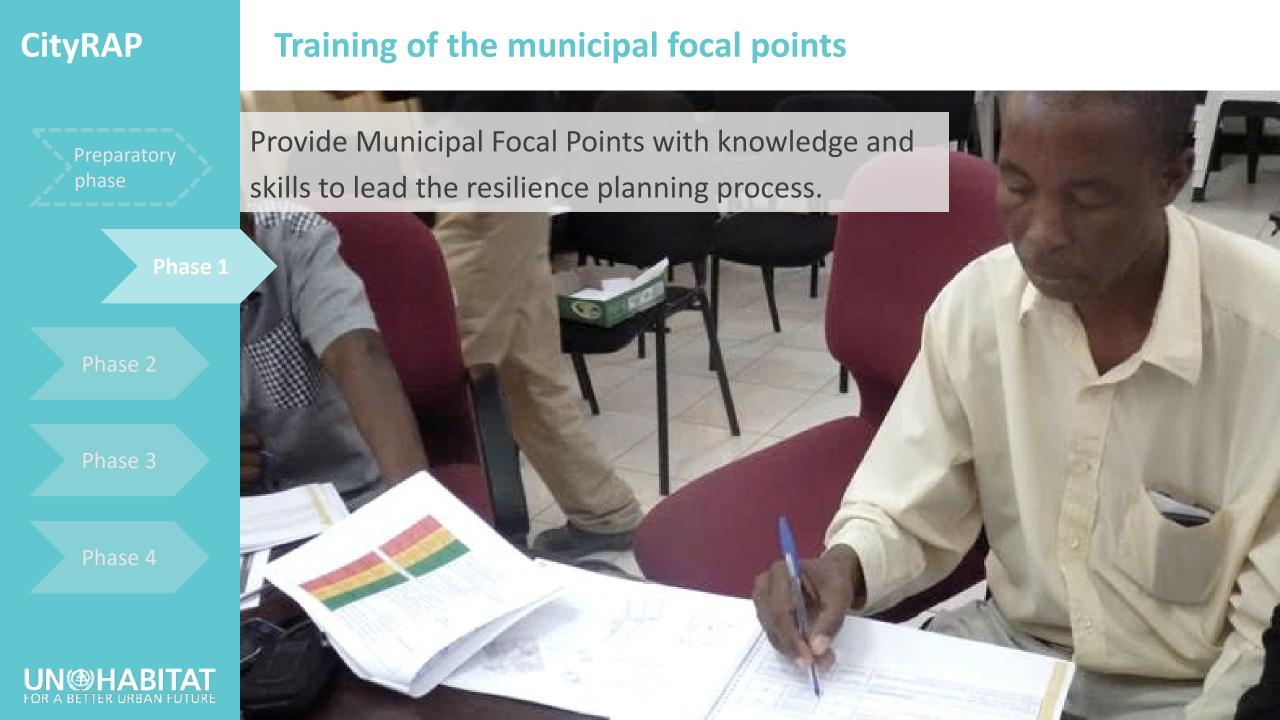
....toward sustainability".



Crash course: participatory mapping at the city level

 Identify the main risks that affect the city.

 Collectively choose
 neighborhoods that will be targeted in the next phases.





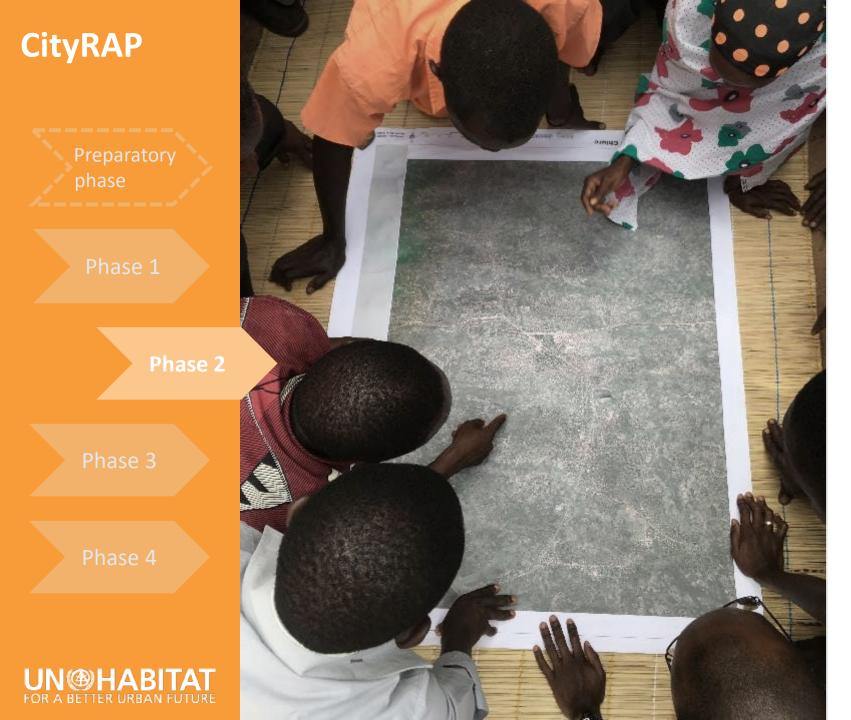
# Expected results

- Participants understand key concepts related to urban risk and resilience.
- The participatory planning simulation identifies the vulnerable neighbourhoods to be targeted in Phase 2, and prepares Focal Points to apply the same methodology at community level.
- Municipal Focal Points are trained to carry out Phase 2.



#### **DATA COLLECTION AND ORGANIZATION**





# Main activities

- Municipal self-assessment
- Participatory planning at the neighbourhood level
- Data compilation and organisation

# Responsible actors

Municipal Focal Points

Duration

3-4 weeks



# Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



#### **Municipal self-assessment**

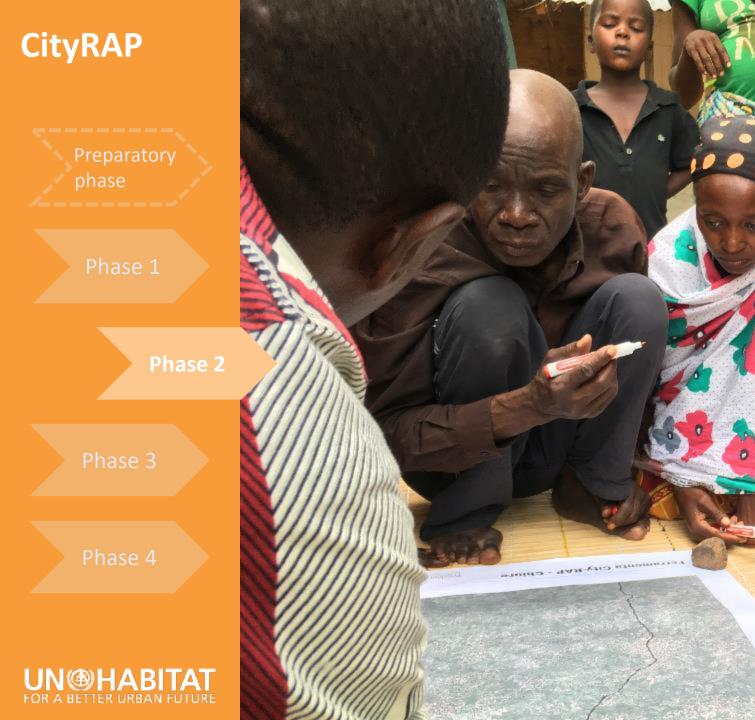
Assess the state of the city's resilience through the knowledge, opinions and perceptions of municipal staff.
 Raise awareness about urban resilience.

#### CityRAP

#### **Municipal self-assessment questionnaire**

ratory тнеме	N°	QUESTIONS			COMMENTS		
Тнеме	N	QUESTIONS	4	3	2	1	COMMENTS
se 1	1	Does your municipal department have enough staff to carry out its daily responsability?	Yes, the staff have the required skills to carry out their daily responsibilities	The majority of the staff have the required skills	Less than half of the staff have the required skills	The department has only <b>few</b> skilled staff	
Phase 2 ORGANISA CAPACITY	TIONAL2	Does your municipal department	Yes, the staff do understand and have	Yes, the department has <b>some</b>	Yes, the department has <b>at least</b>	No, nobody in our department	
e 3		have staff with understanding or knowledge of issues related to climate change and/or risk	knowledge of issues related to climate change and/or risk management	staff with that kind of understanding or knowledge	one staff with that kind of understanding or knowledge	has the staff has this kind of understanding or knowledge	

- 75 questions divided by the 5 resilience pillars
- 4 possible answers for each question and a column for comments
- To be submitted to each municipal department in the municipality



# Participatory planning at neighbourhood level

- Prioritisation of risk
  reduction and resilience
  building actions at
  neighbourhood level.
- List of potential and feasible solutions/measures.
- Use of satellite images of the specific neighbourhood to ensure participation of the communities.



#### **Data compilation and organization**

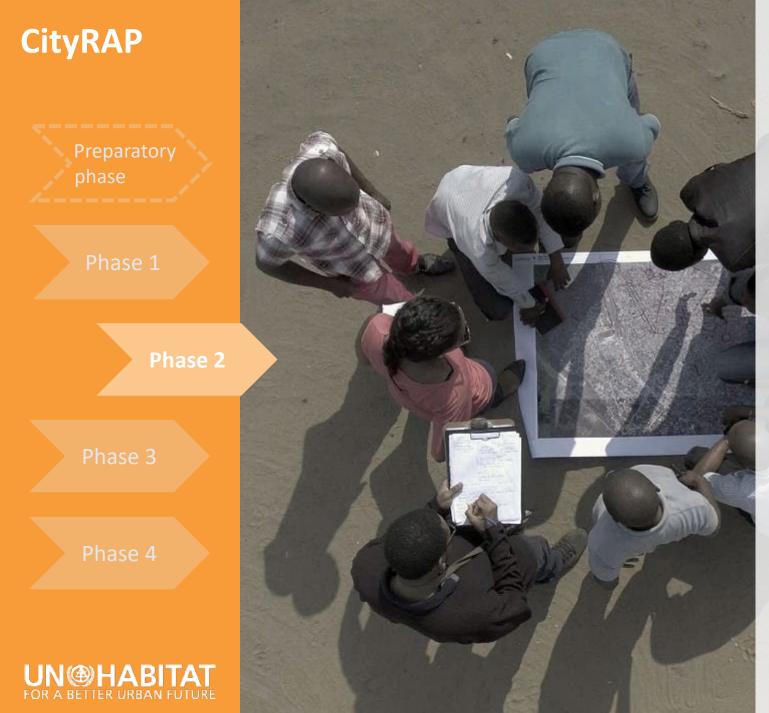
PILLAR 1: URBAN GOVERNANCE

Phase 2

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Filling the			ANSWERS				MUNICIPAL DEPARTMENTS					20. BC	TOTAL	
0	THEME	N° QUESTIONS 4		3 2 1		1	URBAN HUMAN FINANCE PLANNING RESOURCES		FINANCE	CE BASIC NATURAL EC SERVICES RESOURCES		ECONOMY	ECONOMY CIVIL DEFENCE	
<b>Results Matrix.</b>		Do you believe that the current municipal	Yes, the current structure is good and allows each department to effectively carry put its	The current structure requires some improvements for effective delivery	A MARKET CONTRACTOR OF A MARKET	No, the corrent structure is weak and needs major improvements		1	1	1	3	2	3	
Summarizing the		structure allows each department to effectively												12
comments from		carry out its work?	work											
the municipal		8 How well is the municipality cooperating and coordinating with externals such as government, private sector, civil society, etc.?	s and coordination mechanisms	with externals is overall good but could or be further improved	cooperation and coordination with externals is not good	The municipality has poor booperation and coordination mechanisms with externals	2	3				2	4	
self-assessment.	GOVERNANCE STRUCTURE								4	4	4			23
Harmonizing the														
priority issues		9 Do you think that	Yes,	The	Coordination	The								1
identified at the		coordination and cooperation among the	are in place to ensure efficient	and cooperation among the departments	cooperation mechanisms among the	has poor coordination and cooperation								
community level.		different municipal departments is efficient?	and cooperation	is overall good but could be further improved	is not good enough	améng its améng its departments	1	3	4	2	4	1	4	19
	Average for Go	vernance Structu	re											18



### Expected results

- All the municipal departments are engaged and assessed.
- Communities are actively involved in the process.
- The collected information is harmonised and ready for the analysis in Phase 3.

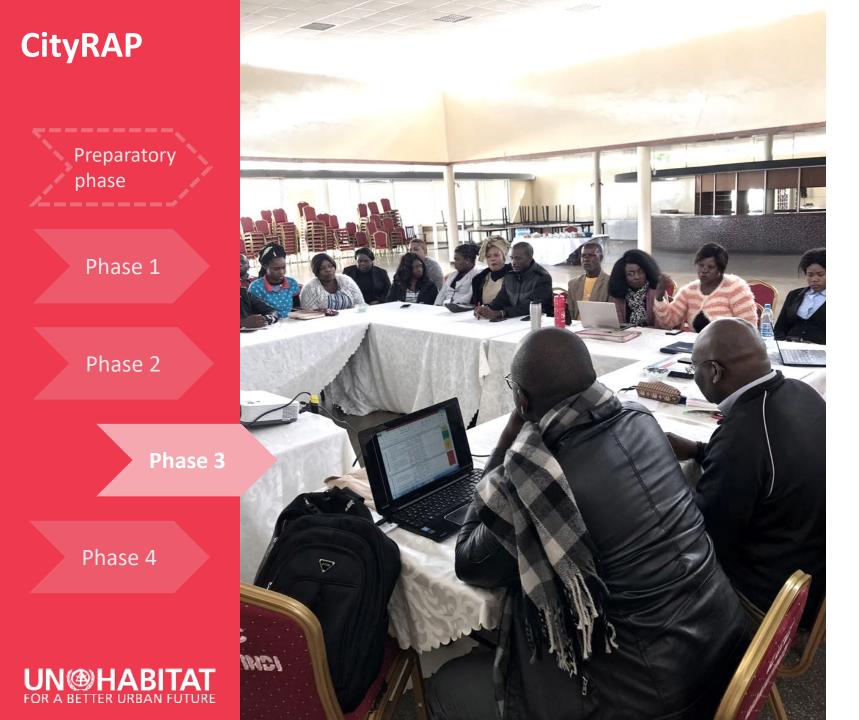


#### **DATA ANALYSIS AND PRIORITISATION**

Soucos Preparatory RE SPOSTA DE PLANEMIE phase CML. NEIO AMBIENTE ... DE RESIDUOS ADS DESASTRES INFORMALS. 14.3 ORGANIZACIONAL COCIEDMIX DE SA STRES A GUN. Phase 1 CONSTRI INFORMACIÓN N UNI CIPALS LERANO Ľ URBAIL INFRAESTRUIDRAS PUBLICOS. 3 ASSEN TAMENTOS SANEAMENTO A BAS JECIMENTO T CAN SPORTE PLANEAMENDO COMUNI CAÇOES. 8 DRENAGEM 30 ECONOMIA SENSIBILI ZAGO Phase 2 GESTAO 2 CAPACIDADE PREPARAGAO FINANGAS céDIGOS SEGURANCA PROTECÇÃO **GIS TENAS** CNERGIA. ESPAGOS Phase 3 0.0

Phase 4

Analysis of the collected data prioritising the issues that constitute entry-points to progressively building the city's resilience.



# Main activities

- Focus group discussions
- Prioritisation workshop
- Training session for
  Municipal Focal Points

# Responsible actors

Team of experts:

providing on-site support

 Municipal Focal Points (MFPs): leading the process

Duration

5 days



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4

### Focus group discussion for each resilience pillar

- Thematic focus groups for each pillar of resilience analyse the data collected previously and discuss the main shortcomings and priorities.
- Representatives from municipality, community, NGOs, CSOs and other relevant stakeholders



Key local stakeholders convene to discuss and decide upon priorities to build urban resilience based on the results of municipal selfassessment, community consultations and focus group discussions.

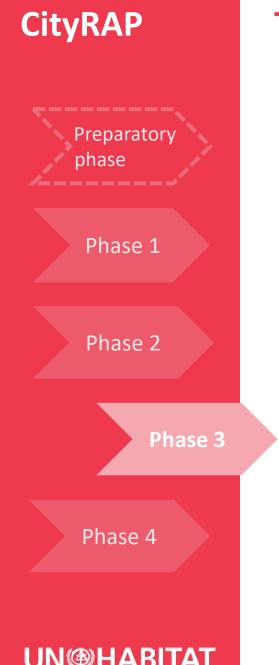
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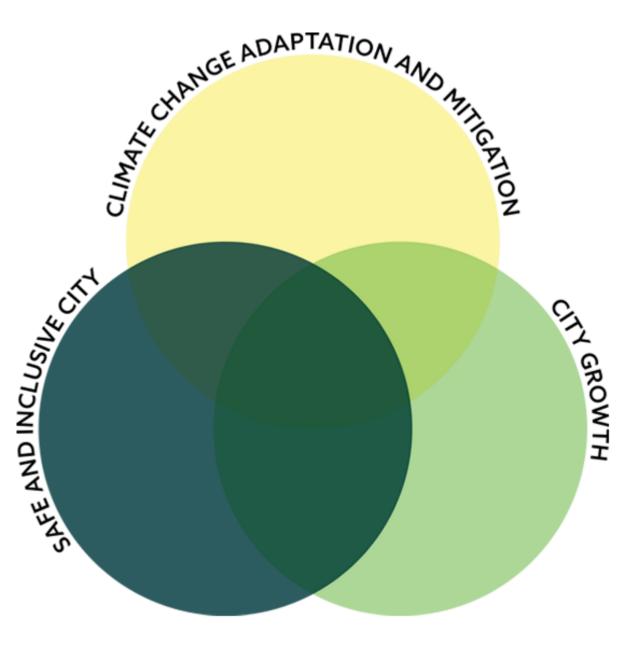
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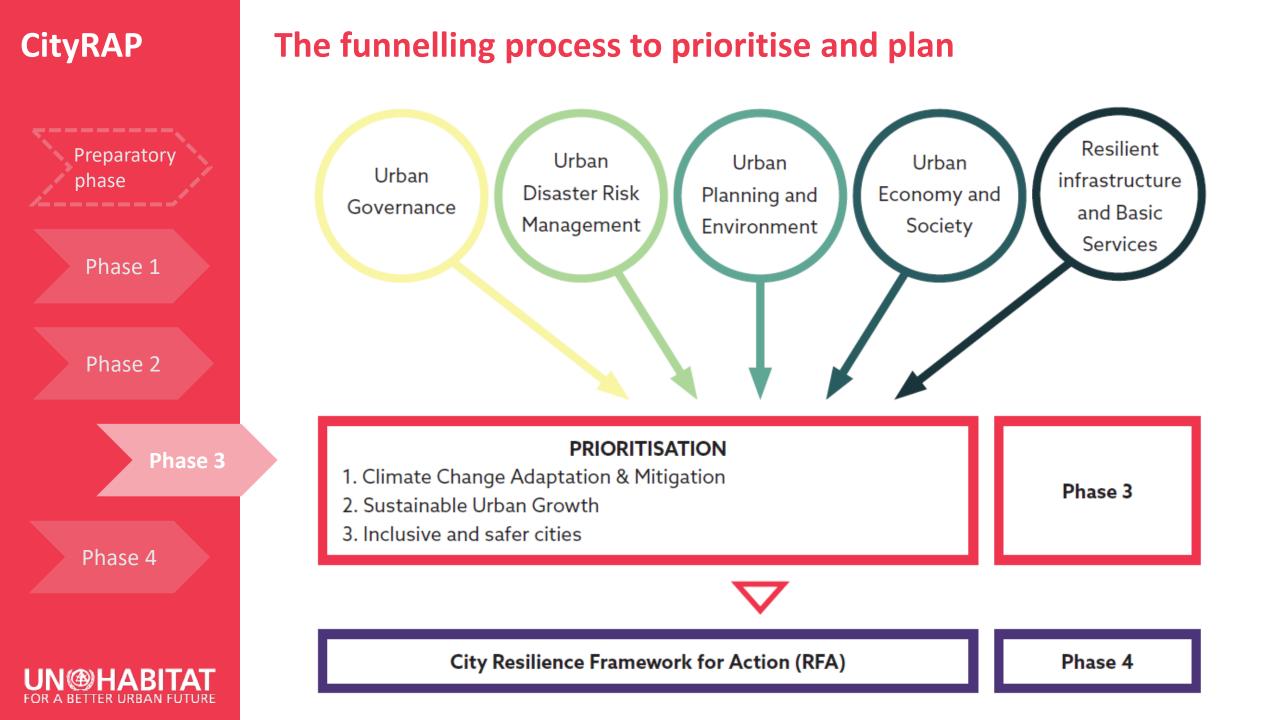


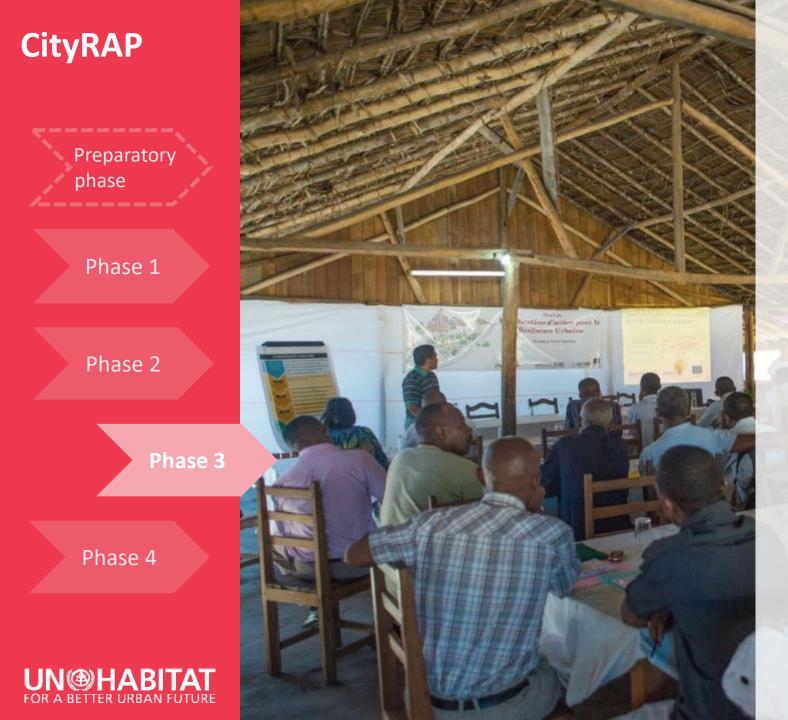
#### The resilience diagramme

Filtering the common priorities identified during the focus group discussions through three cross-cutting issues of urban resilience.

From now on, the process could also be channeled through just one of these three lenses, resulting in a more specific final document.







## Expected results

 The most pressing issues are prioritised in a consensual manner to define where to start in progressively building the city's resilience and why.

- Maximum six priority
  issues are selected as entry points.
- Municipal Focal Points are trained to carry out Phase 4.



Preparatory phase

Phase 1

Phase 2

Phase 3

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Phase 4

#### THE CITY RESILIENCE FRAMEWORK FOR ACTION (RFA)

Final steps towards the drafting of the **City Resilience Framework for Action (RFA)** 

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4





# An activities

- Baseline assessment
- RFA formulation workshop
- Finalisation of the city RFA

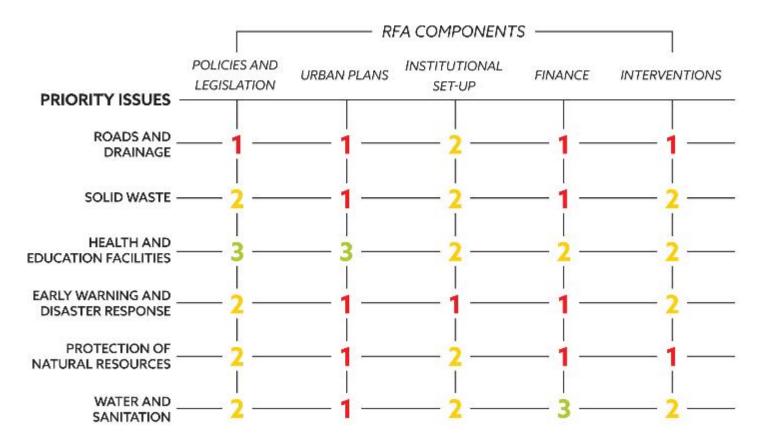
# Responsible actors

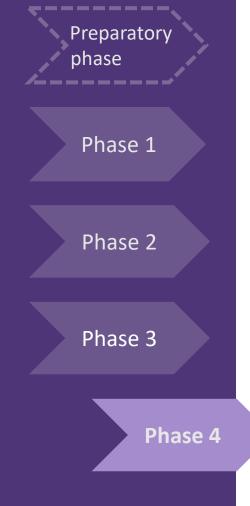
- Team of experts: on-site and remote support
- Municipal Focal Points (MFPs): leading the process

Duration

7-8 weeks

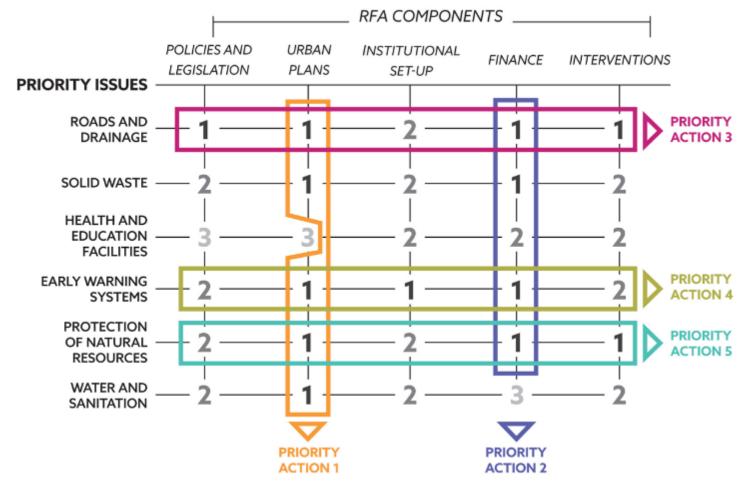
#### The baseline assessment

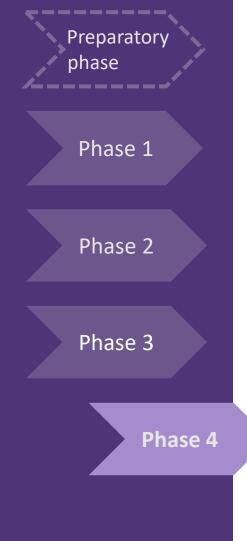




- Municipal Focal Points collect information, and consult experts and local stakeholders, to assess the state of the selected priority issues in relation to a particular RFA component.
- Then they collectively decide on a score using a scale from 1 to 3.

#### **Priority actions formulation**





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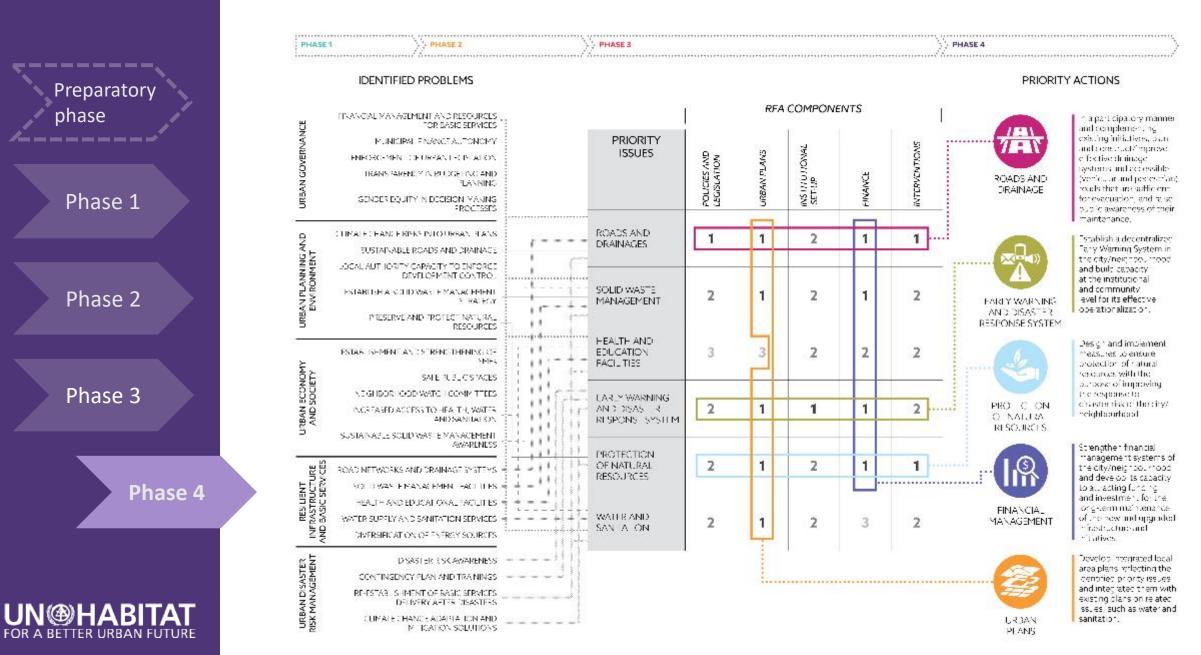
- The baseline assessment table can be read both horizontally, following the priority issues, and vertically, following the RFA components.
- Based on the scores, maximum six priority actions are selected.



# RFA formulation workshop

- Priority actions are reviewed and validated in plenary
- In focus groups these are broken down into activities assigning one responsible office/entity to each.
- Milestones are identified to structure the RFA in the short (0-2 years), medium (3-5) and long (6-10) term.

#### From the identified problems to the planned actions





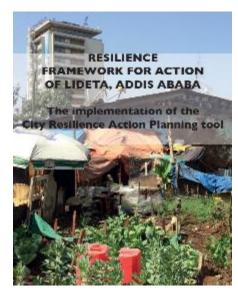
Preparatory phase
Phase 1
Phase 2
Phase 3
Phase 4

#### How does a City RFA (Resilience Framework for Action) look like?

The document includes:

- Introduction/Background
- Rapid city risk profile, using the preliminary questionnaire and the updated city risk map
- The CityRAP Tool process, which includes details of the different implementation stages
- Overview of the city RFA (including priority actions and activities)
- Priority actions sheets (listing activities and responsible entities)
- Concept notes of bankable projects
- Monitoring and evaluation framework
- Conclusions and way forward





Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4

#### Monitoring and evaluation framework

- An external/independent body/consultant should be responsible for monitoring the progress made in implementing the City RFA every two years.
- The RFA is updated based on the recommendations derived from the 2-years evaluation report.



# Preparatory phase

Phase 1

Phase 2

Phase 3

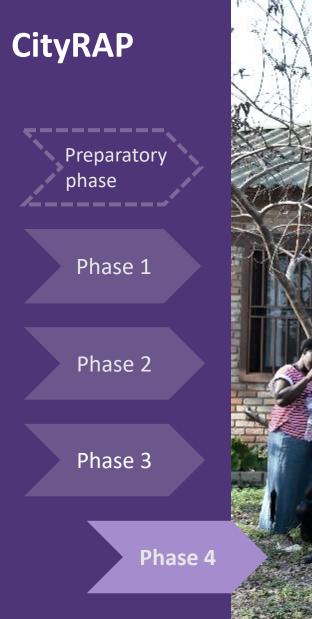
Phase 4



#### Validation workshop, RFA endorsement and dissemination



- Half-day workshop to submit the City RFA to relevant authorities, potential donors, key partners and media.
- The validated and edited City RFA should be formally endorsed by the municipal authorities according to their own procedures.
- Roadmap for dissemination, financing and implementation.



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### Expected results

- Maximum six priority actions are selected and validated.
- The final city RFA document is completed, validated, endorsed and disseminated.

# Where did we start?

Key challenges for building resilience: CityRAP response

- 1. Lack of technical capacity and experience
- Transfer skills and tools to municipal technicians (trainings, on-the-job exercises and group activities)
- 2. Lack of data and information
- Leverage local knowledge and information to kickstart processes
- Identify key gaps for future action through the RFA
- 3. Lack of financial resources
- RFA can be a powerful tool for mobilising and channelling resources







Thank you!