





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".





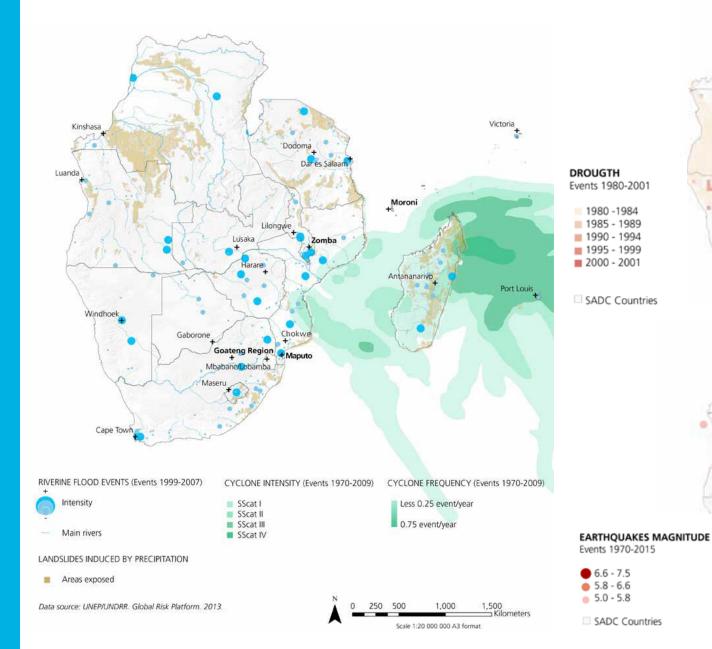
Key challenges for building resilience

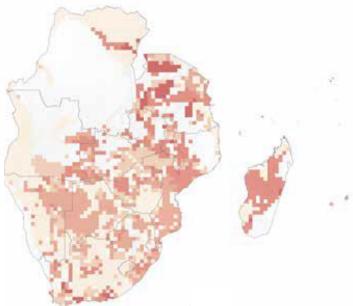
 Lack of technical capacity and experience
 Lack of data and information
 Lack of financial resources

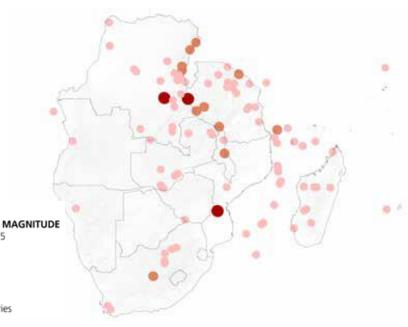
Existing tools are often too complex, data hungry and not adapted to the reality of some cities.



Natural hazards do not respect national boundaries











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



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.

Founding members

- Madagascar
- Malawi
- Mozambique
- Union of Comoros



Headquarters

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



The DiMSUR initiative

Vision



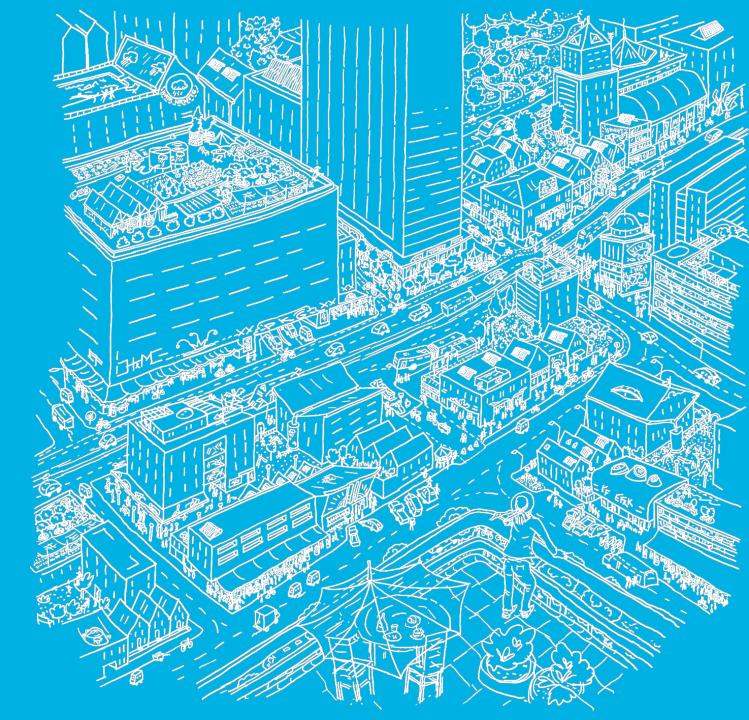
Be an effective catalyst and major partner for disaster risk management and climate change adaptation in southern Africa contributing to building a more resilient region based on safe and prosperous cities and towns.

Strategic priorities for the first 10 years

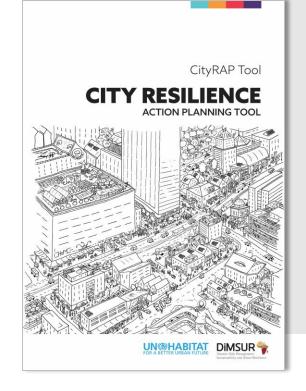
Enhancing the	Strengthening national and	Building safer and more			
identification and	local capacities to manage	resilient cities through the			
understanding of risks at	disaster risk and build	provision of qualified			
local level	resilience	technical assistance			
Establishing networks & partnerships 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: what is it?

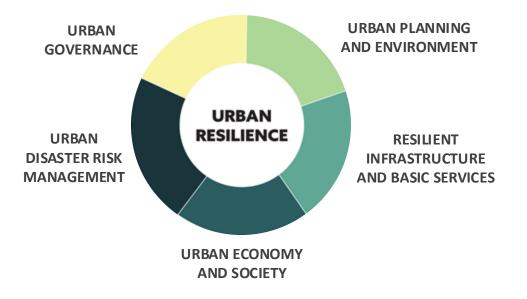


The City Resilience Action Planning (CityRAP) tool is a four-phase participatory resilience planning process that enables municipal officials and community members in small to intermediate-sized cities, or municipal districts within bigger cities (~250.000 people) in developing countries to work together to make their city safe and resilient.

Its final product is a *Resilience Framework for Action* (*RFA*) for the city.

A resilience framework with **five interrelated pillars** is designed specifically for CityRAP as a **theoretical structure for data collection** at the city level.

This framework – which provides a solid structure for the first phases of the implementation – eventually fades out during the process.





CityRAP methodology



- The CityRAP methodology is flexible and easily adaptable to different contexts and needs.
- It uses participatory approaches and consensus-building techniques to involve all concerned stakeholders and to leverage local knowledge with the aim of identifying the entry points to start building the city's resilience in a progressive manner leveraging prioritization methods and with minimal external support.
- The municipality is the leader of the process from day one thanks to a team of Municipal Focal Points who are trained throughout the process.



CityRAP key actors



Team of experts

2/3 people - usually from UN-Habitat - kickoff the process supporting it on-site just for specific activities while acting steadily as a remote resource.

Feramenta de Pia. Ciada - CityRau. Demando Formadore Terretorio Control de Co

Municipal Focal Points

3/6 municipal staff members to be appointed in the preparatory phase. They lead the process from phase two to phase four.



Other urban stakeholders

In each phase representatives from different urban sectors and from the community are invited to take part to the process.

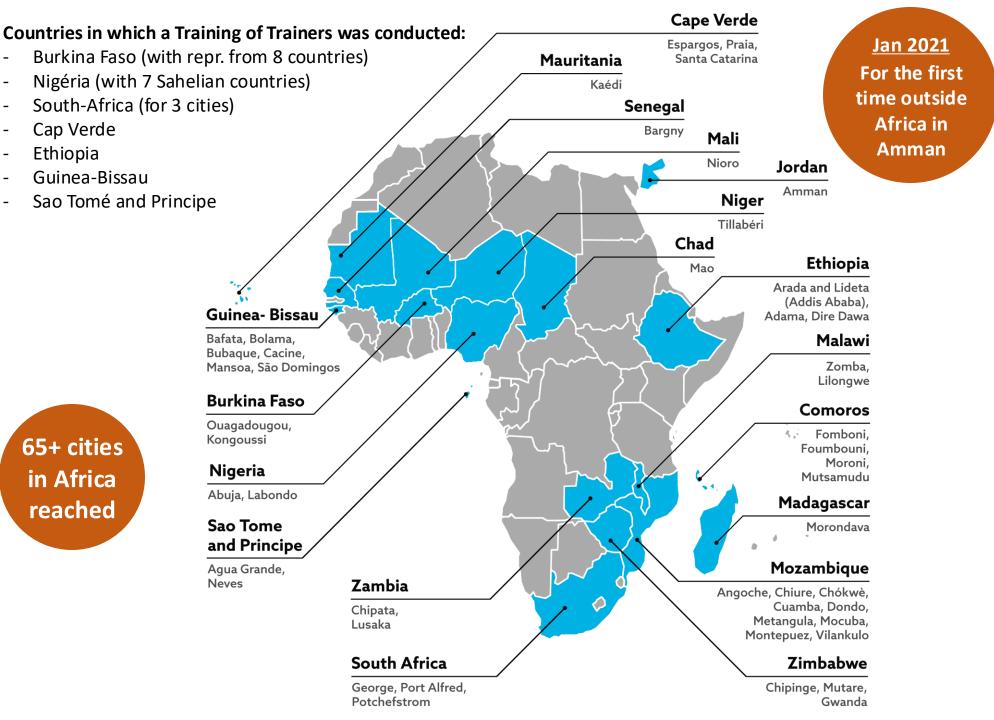


200-300 people directly participate

Local government, public institutions, community representatives, CSOs and NGOs, media, private sector, academia.

CityRAP: where so far?



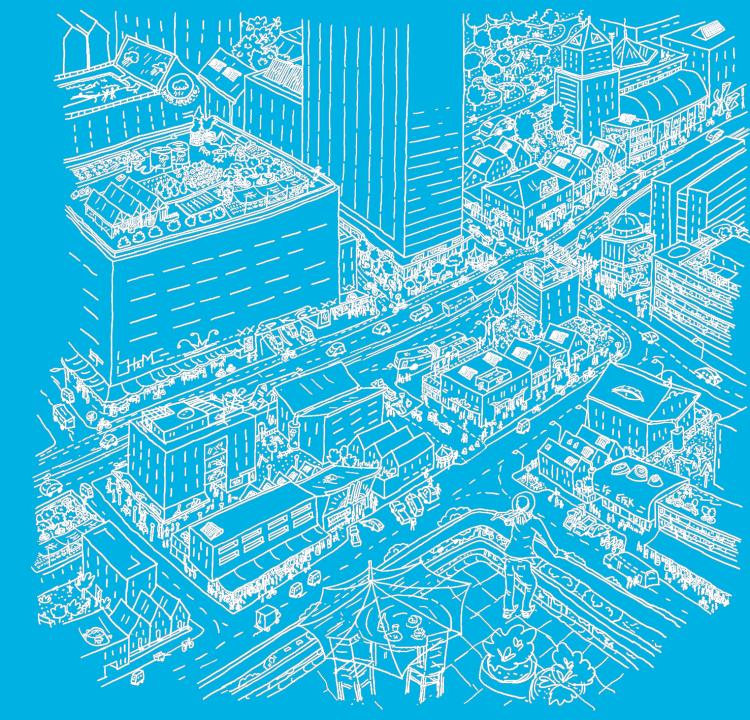


CityRAP: A short movie

Now... Enjoy a short movie on the <u>CityRAP tool !</u> Link here

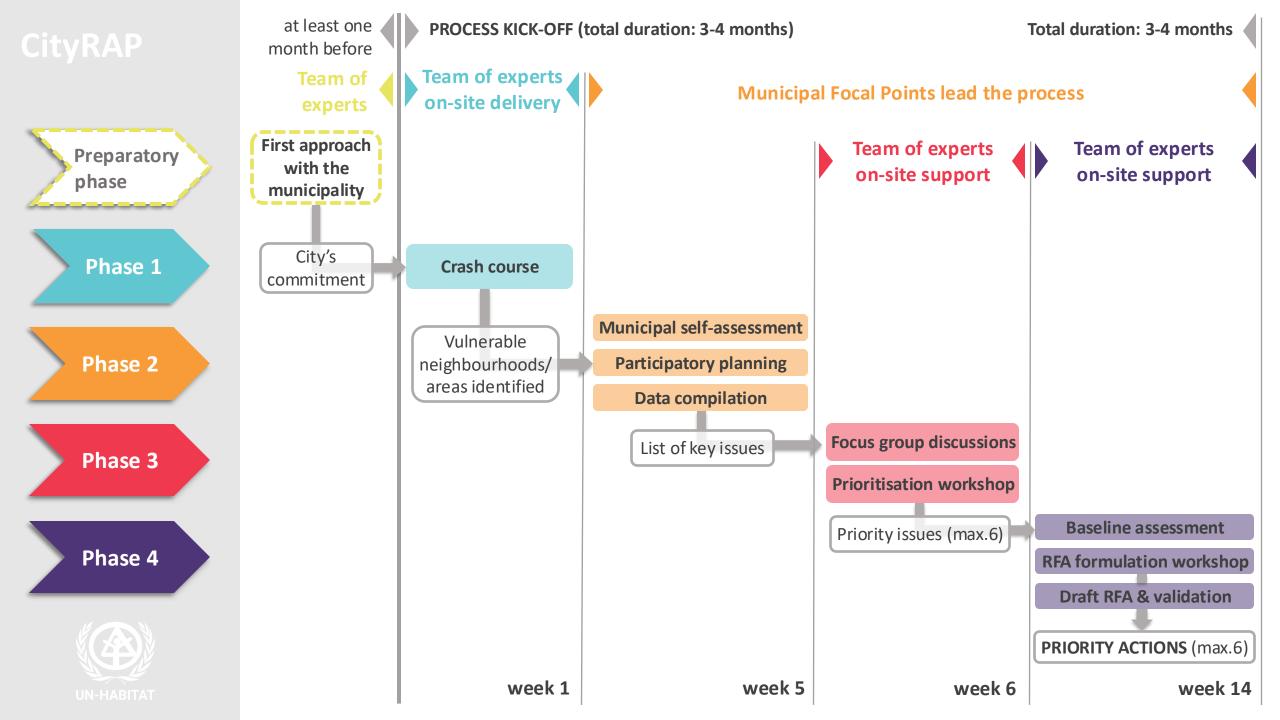


How does CityRAP work?



CityRAP

Preparatory phase	
Phase 2	
Phase 3	
Phase 4	





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

Ouration

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.



phase

UN-HABITA

🎯 Objective

To reach a **common basic understanding** of urban risk and resilience concepts, focusing on demystifying their complexity

Main activities

- Participants are introduced to the CityRAP methodology and to key concepts related to urban risk and resilience
- 2. Participatory risk mapping of the city
- 3. Municipal Focal Points are trained to carry out Phase Two

Main actors involved

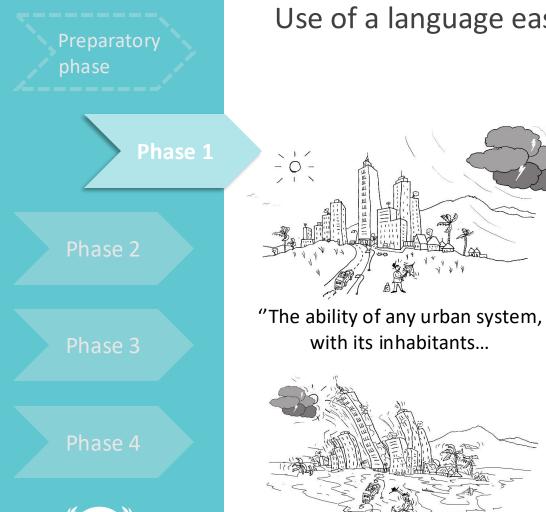
- **Team of experts**: travel to the municipality
- Municipal Focal Points: support and trained
- Other urban stakeholders: all relevant urban stakeholders participate to the crash course

Ouration

4-day Crash Course +

1 day training of MFPs

CityRAP



UN-HABITAT

Crash course: KEY CONCEPTS of urban risk and resilience

Use of a language easy to understand, although scientifically rigorous, to demystify complexity



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



...while positively adapting and transforming...



....toward sustainability".

The Change Educational video to raise awareness on adaptation to climate change and sustainable human settlements.

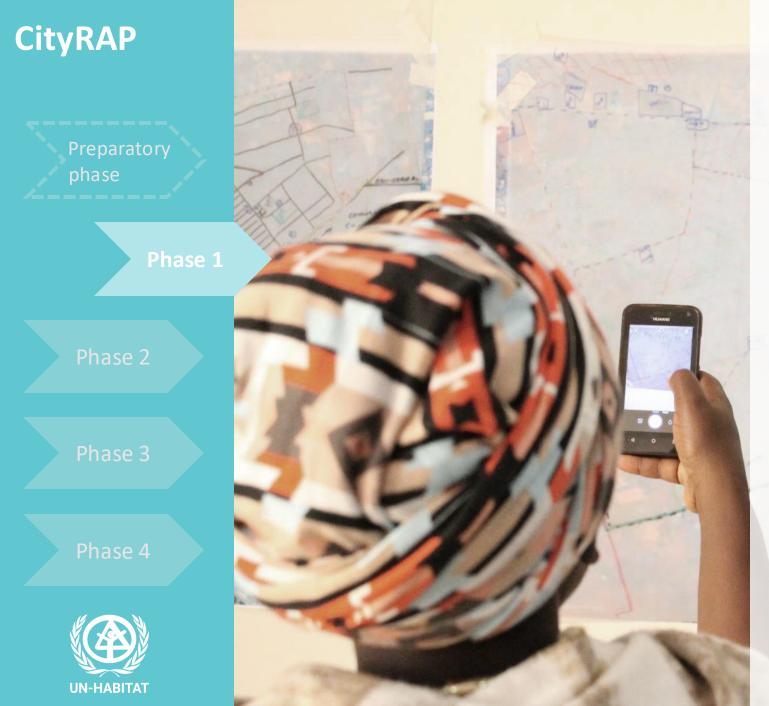




Crash course: Participatory risk mapping of the city

- Identify the main risks that affect the city.
- Collectively choose neighborhoods that will be targeted in the next phases





At the end of Phase 1

- 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





Preparatory phase
Phase 1
Phase 2
Phase 3
Phase 4



🕉 Objective

To collect and organise data on:

- the status of the city's resilience as perceived by the different municipal departments
- the priorities of communities for strengthening the resilience of their neighbourhoods

Main activities

- 1. Municipal self-assessment
- 2. Participatory planning at the neighbourhood level
- 3. Data compilation and organisation

Main actors involved

- Municipal Focal Points: lead the process
- Other urban stakeholders: municipal staff and community representatives



3-4 weeks



Municipal self-assessment

Preparatory phase

Phase 1

Phase 2

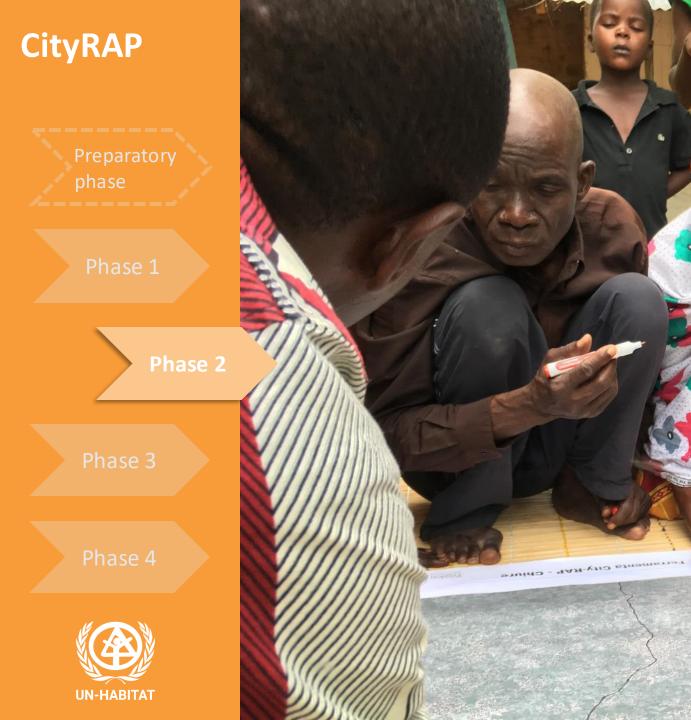
Phase 3

Phase 4



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

CityRAP	SNEAK	Self-assess	m	e <mark>nt qu</mark>	estionr	naire			
Preparatory phase Phase 1	 PEEK 75 question divided by 		TOR: MAY	S OR	agreed upon b	rs for each questior y the municipal staf		r that has been	In case of disagreements between the consulted department staff on a specific answer, comments should be detailed here
					1 1 1 1				
	pillar/ the	Me тнеме	N°	QUESTIONS	4	3	2	1	COMMENTS
Phase 2	4 possible		1	Does your municipal	Yes, the staff have the	The majority of the staff	Less than half of the	The department	
	answers			department have enough staff to carry out its daily	required skills to carry out their daily responsibilities	have the required skills	staff have the required skills	has only few skilled staff	
Phase 3	Color codi	ing:		responsability?					
	green 4 pt	.,							
Phase 4	red 1 pt.	ORGANISATIONAL CAPACITY	2	Does your municipal	Yes, the staff do understand	Yes, the department	Yes, the department	No, nobody in our	
	Consensus	S		department have staff with understanding	and have knowledge of issues	has some staff with that kind of	has at least one staff with that kind of	department has the staff has this kind of	
	on one			or knowledge of issues related to	related to climate change and/or risk	understanding	understanding or knowledge	understanding or knowledge	
UN-HABITAT	answer			climate change and/or risk management?	management				



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

Preparatory phase Phase 1 Phase 5

Phase 3

Phase 4



Filling the Results Matrix.

 Summarizing the comments from

the municipal

- self-assessment.
- Harmonizing the priority issues identified at the community level.

			ANSWERS					MUNICIPAL DEPARTMENTS						
THEME	N° (QUESTIONS	4	3	2	1	URBAN PLANNING	HUMAN RESOURCES	FINANCE	BASIC SERVICES	NATURAL RESOURCES	ECONOMY	CIVIL DEFENCE	ΤΟΤΑ
5		Do you believe that the current municipal structure allows each department to effectively carry out its work?	Yes, the current structure is good and allows each department to effectively carry out its work	The current structure requires some improvements for effective delivery	The current structure is not good enough for that purpose	No, the current structure is week and needs major improvements	1	1	1	1	3	2	3	12
GOVERNANCE TRUCTURE		How well is the municipality cooperating and coordinating with externals such as government, private sector, civil society, etc.?	The municipality has established strong cooperation and coordination mechanisms with a number of external partners and institutions	The cooperation and coordination of the municipality with externals is overall good but could be further improved	The municipality's cooperation and coordination with externals is not good enough	The municipality has poor cooperation and coordination mechanisms with externals	2	3	4	4	4	2	4	23
		Do you think that coordination and cooperation among the different municipal departments is efficient?	are in place to ensure efficient coordination and	The coordination and cooperation among the departments is overall good but could be further improved	Coordination and cooperation mechanisms among the departments is not good enough	municipality has poor coordination and	1	3	4	2	4	1	4	19



E At the end of Phase 2

- 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

Preparatory RE SPISTA phase 50. AMBIENTE. CM RESIDUOS ADS DESASTRES 14.3 ORGANIZACIONAL DE SA STRES SOCIE DA DE TNFOR Phase 1 CONSTR FNFORMA CAD URBANO y NEIO URBAIL INFRAESTRUNRAS PUBLICOS. 3 ASSENTAMENTOS SANEAMENTO 3 A BASTECIMENTO PLANEAMENTO 8 DRENAGEM 30 COMUNI CAÇÕE Economia CAN SPORT SENSIBILI ZA GO Phase 2 ESTÃO 3 CAPACIDADE SEGURANÇA PREPARAGAO FINANÇAS có DI GOS PROTECCAD SIS TENAS ENERGIA. ESPAGOS Phase 3

Phase 4



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

CityRAP

Preparatory phase
Phase 1
Phase 2
Phase 3

Phase 4

🕉 Objective

- Analyse and discuss the data collected during Phase Two
- Identify and select the priority issues to build the city's resilience

Main activities

- **1.** Focus group discussions for each resilience pillar with key and sectorial stakeholders.
- **2. Prioritization workshop** to discuss and decide upon priorities to build urban resilience.
- **3. Training session** with Municipal Focal Points for Phase Four.

Main actors involved

Duration

5 days

- Municipal Focal Points: lead and trained
- Team of experts: travel to the municipality
- Other urban stakeholders: participate to the focus group discussions (max. 15) and the prioritization workshop (all)



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





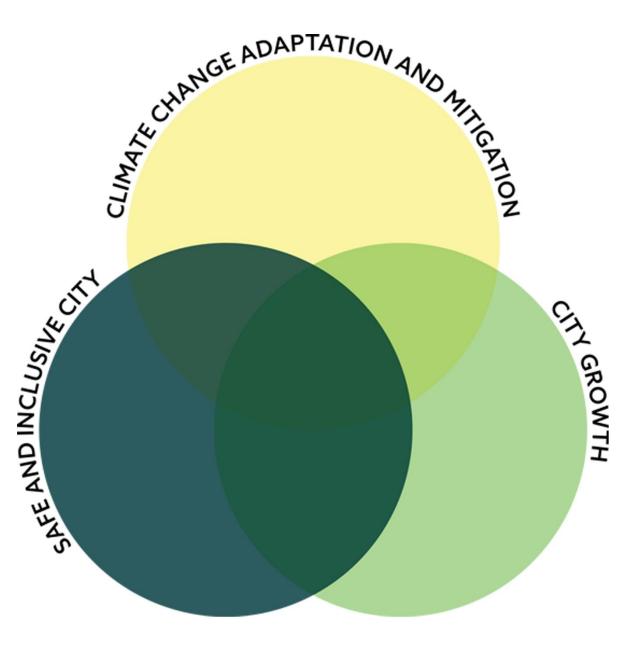
Preparatory phase
Phase 1
Phase 2
Phase 3
Phase 4

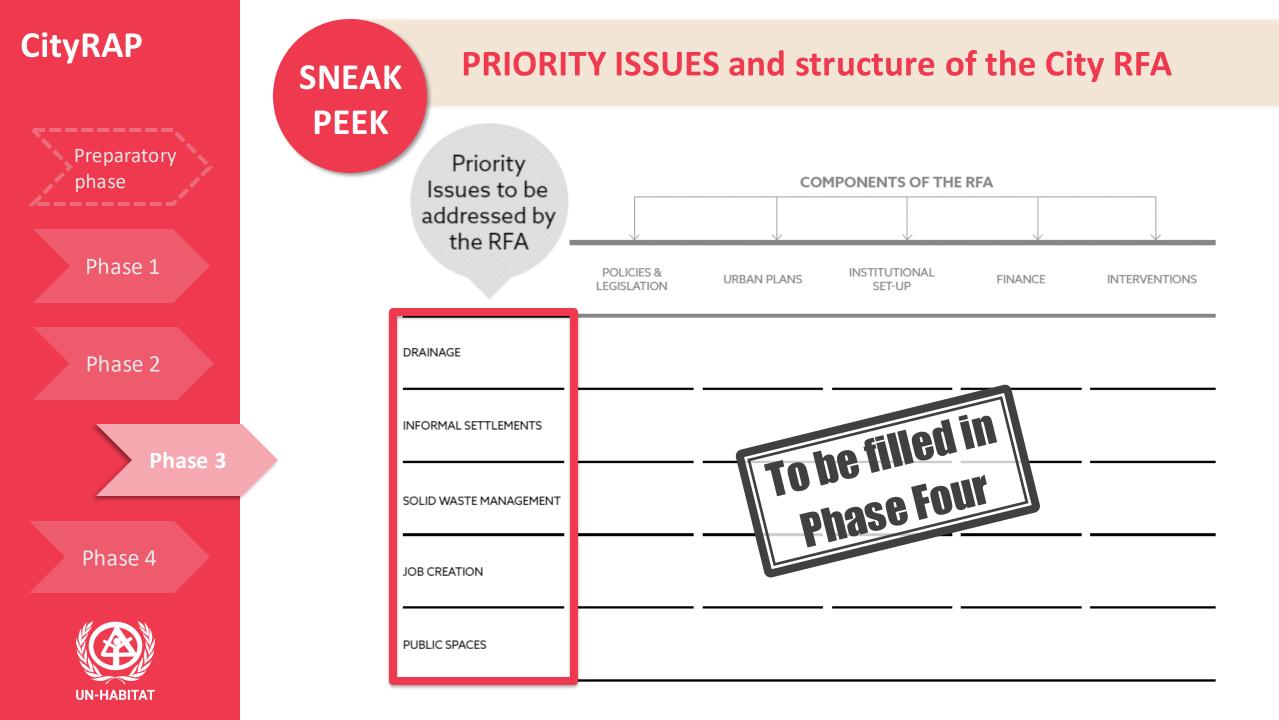


The resilience diagramme

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.







Preparatory

Phase 1

Phase 2

Phase 4

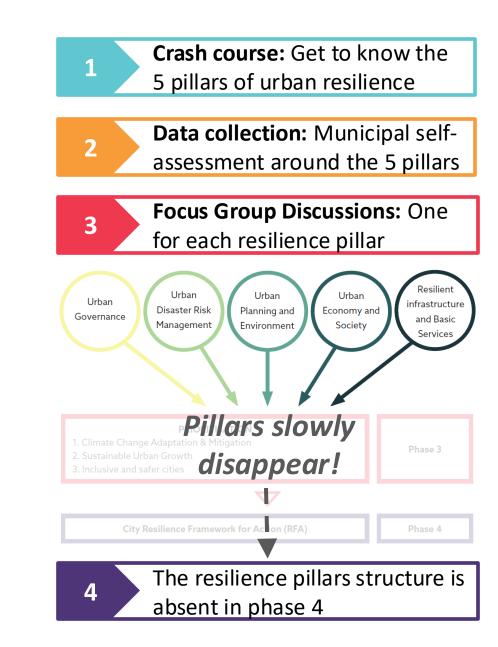
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Phase 3

phase

The funnelling process to prioritise and plan

The resilience framework with five inter-related pillars is specific to CityRAP does not intend to be fully comprehensive or to replace other existing frameworks in literature. It defines a theoretical structure to collect data at city level related to resilience and eventually fades out throughout the process.





E At the end of Phase 3

- 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 Four.



Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4







City Resilience Framework for Action (RFA)

Preparatory phase Phase 1 Phase 2 Phase 3

Phase 4



🕉 Objective

Development of the City Resilience Framework for Action (RFA)

Main activities

- Baseline assessment of the identified priority issues and definition of priority actions
- 2. **RFA formulation workshop** to validate priority actions and define activities for their implementation
- 3. Drafting and validation of the city RFA

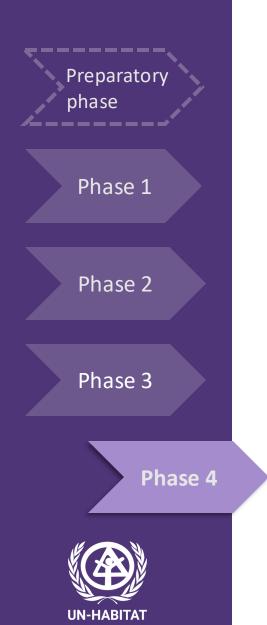
Main actors involved

- Municipal Focal Points: lead and trained
 - **Team of experts**: remote and on-site support (travel to the municipality for the RFA formulation workshop)
- Other urban stakeholders: all relevant urban stakeholders participate to the RFA formulation workshop



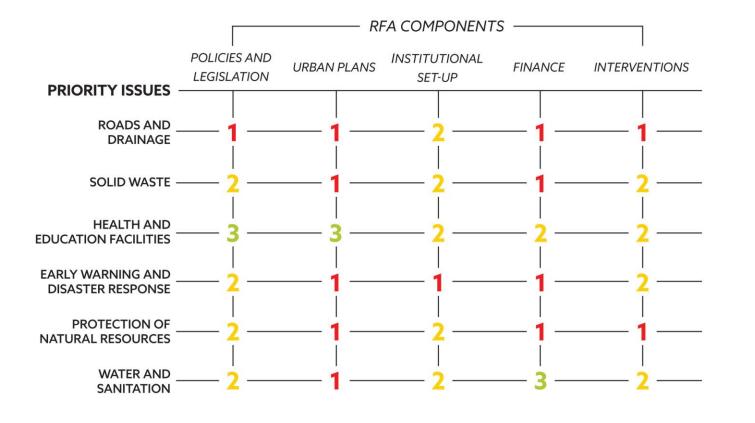
7-8 weeks

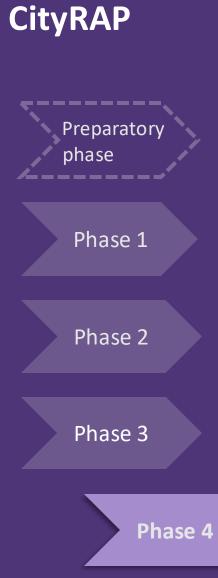




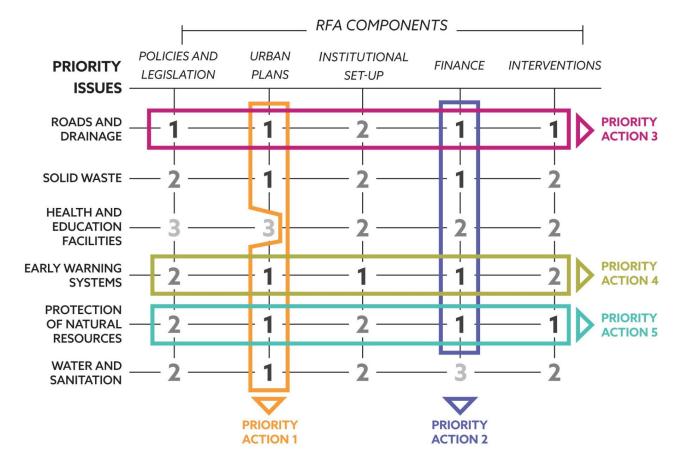
Filling the structure of the City RFA

MFPs collect information, and consult experts and local stakeholders, to assess the **state of the priority issues** in relation to each RFA component and together assign a score from 1 to 3 using a table developed for the purpose.



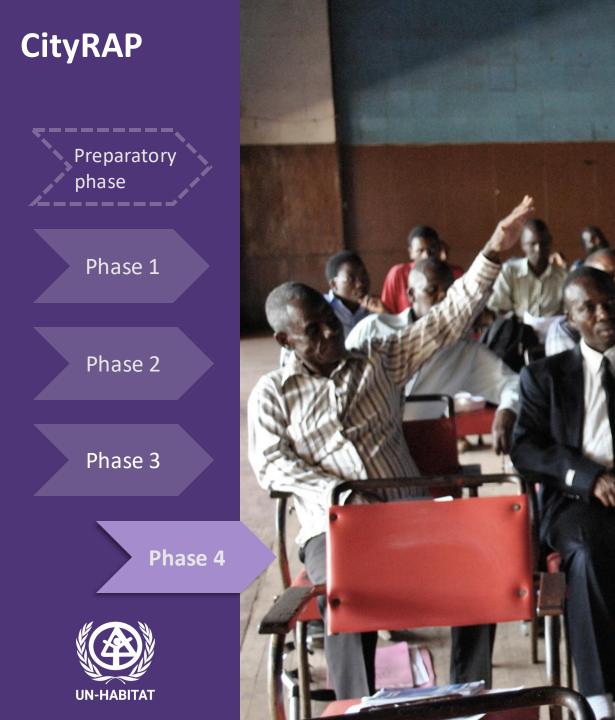


Selection of the PRIORITY ACTIONS





- 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.
- These are broken down into activities assigning one responsible office/entity to each through group activities.
- Milestones are identified to structure the RFA in the short (0-2 years), medium (3-5) and long (6-10) term.

phase

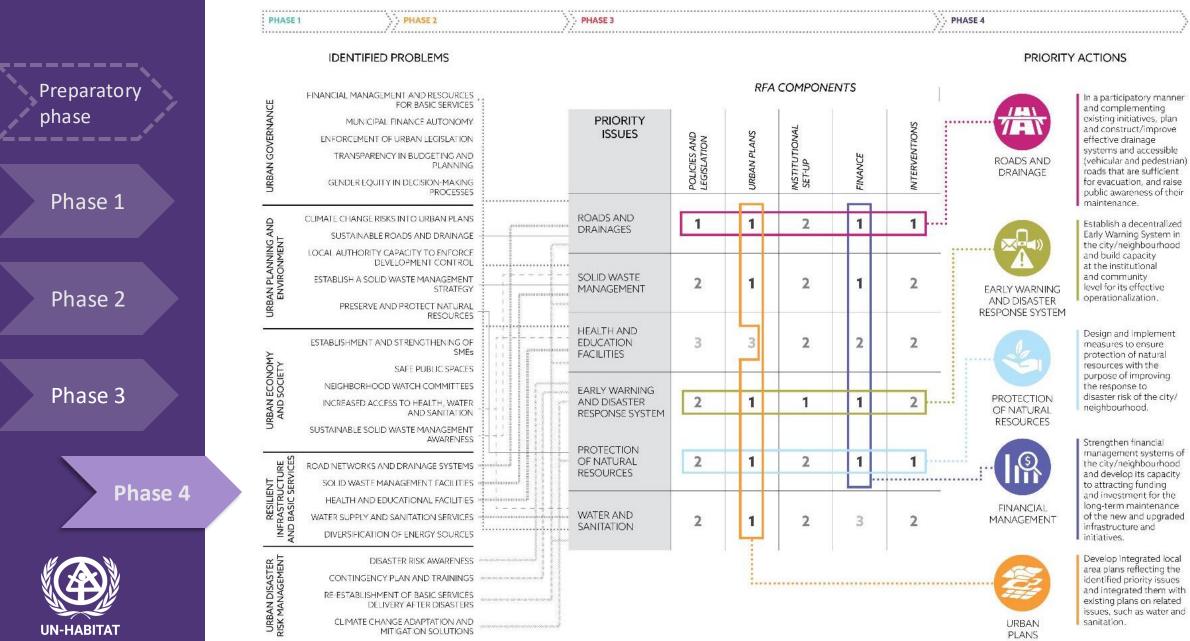
Phase 1

Phase 2

Phase 3

UN-HABITAT

From the identified problems to the planned actions



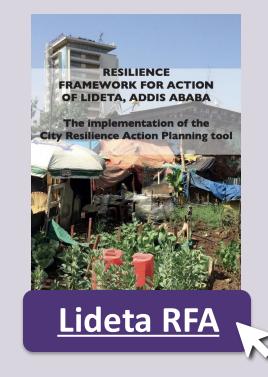
Preparato phase	ry
Phase 1	
Phase 2	
Phase 3	
P	hase 4

How does a City RFA look like?

The City Resilience Framework for Action (RFA)targets the city officials, local and central government, potential donors. Generally, it comprises:

- 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

Let's browse an example:



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.

Preparatory phase

Phase 1

Phase 2

Phase 3

Phase 4



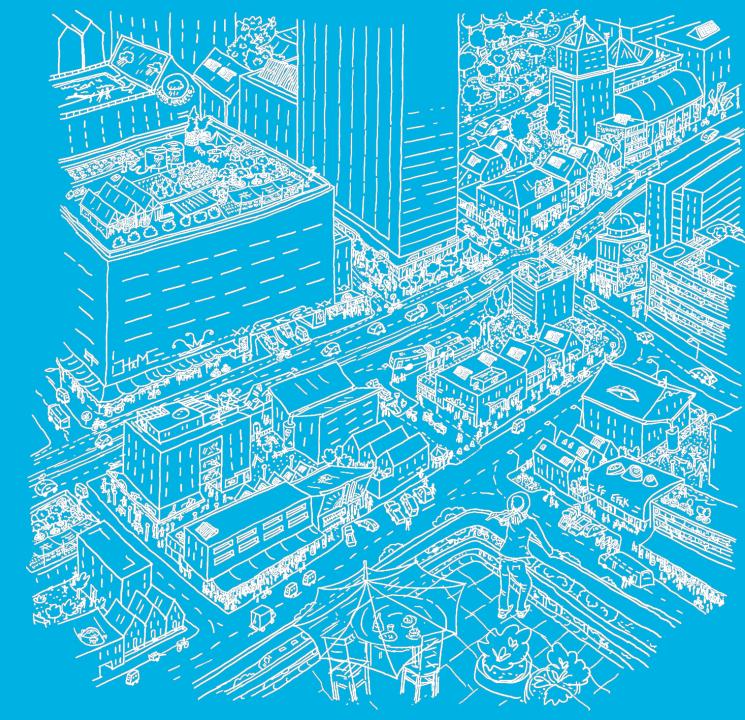


E At the end of Phase 4

 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





A success story: The "Building Urban Climate Resilience in South-Eastern Africa" project



Click the link for the video <u>here</u>...





Thanks for your attention **QUESTIONS?**

